

# BANASTHALI VIDYAPITH

## DEPARTMENT OF ECONOMICS

### MINUTES OF THE MEETING OF THE BOARD OF STUDIES HELD ON APRIL 22, 2016 AT 3:00 PM IN MAHINDRA PRAGYA MANDIR.

#### PRESENT

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|----------------------------|-------------------|
| 1. Dr. Veena Devasthali    | - External Member |
| 2. Dr. Iqbal Zafar Ansari  | - Internal Member |
| 3. Mr. Qamar Alam          | - Internal Member |
| 4. Ms. Rashmi Gupta        | - Internal Member |
| 5. Ms. Shruti Shastri      | - Internal Member |
| 6. Prof. Siddharth Shastri | - Internal Member |
| 7. Dr. Swati Batra         | - Internal Member |
| 8. Dr. Swati Shastri       | - Internal Member |
| 9. Dr. Seema Sharma        | - Convener        |

**Note:** Dr. Neera Verma (External Member) could not attend the meeting.

Agenda Item No.	Agenda Item	BoS Recommendations	Annexure and Page No.
1.	To confirm the minutes of the meeting of the Board of Studies of its last meeting held on March 11, 2012.	The Board confirmed the minutes of its last meeting held on March 11, 2012.	-
2- I	To recommend Courses, Curricula and Scheme of Examination for B.A.	The Board considered the courses of study and scheme of examination for B.A. and resolved to recommend that the existing courses of study be continued.	-
II	To recommend Courses, Curricula and Scheme of Examination for M.A.	The Board considered the courses of study and scheme of examination for M.A. and resolved to recommend that the courses of study, curricula and scheme of examination shall be modified.	Annexure-I Page No. 1-3
	First Semester Examination December 2016	Paper I: Micro Economic Theory I Paper II: Macro Economic Theory I Paper III: Mathematics for Economics Paper IV: Public Economics	Annexure-I Page No. 4-12
	Second Semester Examination April/May 2017	Paper I: Micro Economic Theory II Paper II: Macro Economic Theory II Paper III: Statistical Methods for Economics Paper IV: Monetary Economics and Modern Banking	Annexure-I Page No. 16-24

	Third Semester Examination December 2017	Paper I: International Trade and Commercial Policy Paper II: Economics of Growth and Development Paper III: Financial Economics Paper IV: One Elective from the other disciplines of Social Sciences or Econometrics	<b>Annexure-I Page No. 27-33</b>
	Fourth Semester Examination April/May 2018	Paper I: International Money and Finance Paper II: Indian Economic Development Paper III: Economics of Environment (new course) Paper IV: Project Work(new course)/ Economics of Social Sector(new course)/ One Elective from the other disciplines of Social Sciences	<b>Annexure-I Page No. 36-43</b>
<b>3.</b>	<b>To restructure and propose new M. Phil courses as per U.G.C. guidelines regarding expansion of M. Phil programme from two semesters to three semesters</b> scheme of examination.	The Board restructured and proposed new <b>M. Phil.</b> course as per U.G.C. guidelines.	<b>Revised structure is given in Annexure-II Page No. 1-3</b>
	First Semester Examination December 2016	Disciplinary Course –I: Selected Topics in Advanced Economic Theory	<b>Annexure-II Page No. 9-10</b>
	Second Semester Examination April/May 2017	1. Disciplinary Course II: Indian Economic Problem and Issues 2. Reading Elective-I: A. Selected Topics in Indian Agriculture and Rural Development (new course) B. Urbanisation and Public Policy (new course)	<b>Annexure-II Page No. 11-16</b>
	Third Semester Examination December 2017	Reading Elective II: A. Modern Economic Thought(new course) B. Gender and Development (new course)	<b>Annexure-II Page No. 17-22</b>
<b>4.</b>	<b>To revise the curricula of courses of M.A. examination common for all Social Science disciplines (Economics, History, Political Science, Sociology and</b>	The Board revised the curricula of courses of M.A. examination common for all Social Science disciplines.	<b>Annexure-I</b>
		Social Science Perspective	<b>Page No. 13-15</b>
		Research Techniques in Social Sciences	<b>Page No. 25-26</b>
		Computer Applications	<b>Page No. 34-35</b>

	Psychology)	Women Studies	Page No. 44-46
5.	<b>To recommend</b> panel of examiners for each examination upto and inclusive of Master's Degree Examination keeping in view the Bye-laws 15.03.02 of the Vidyapith.	The Board scrutinized the existing panel of examiners in the subject of Economics in accordance with the Bye-laws 15.03.02 of the Vidyapith and updated the same.	<b>Annexure III</b>
6.	<b>To evaluate</b> the question papers of periodical tests and semester examinations of 2014-15 keeping in view the observations of the Vice-Chancellor.	The Board examined the question papers of Semester Examination of the year 2014-15 and <b>resolved to conclude</b> that there is predominance of theoretical type of questions. The questions were found adequate to engage the students for allotted period of time and there is no significant change in the pattern of question papers. A shift towards more analytical/application oriented questions seems desirable.	<b>Annexure IV</b>
7.	<b>To evaluate</b> the reports received from the examiners of the different examinations of 2014-15 and submit a critical report.	The board considered the reports of the examiners in the subject of Economics of various examinations of 2014-15. It was noted that examiners have generally reported 'to the point' answers and have found expression/method of presentation satisfactory/good.	-
8.	Under bye-laws 09.02.03 <b>to co-opt</b> external members of the Board of studies for a fresh term of three years commencing from 1 <sup>st</sup> January, 2017.	The Board recommended external members of the Board of Studies for a fresh term of three years commencing from 1 <sup>st</sup> January, 2017. Two external members to be co-opted by the Board are as follows: i. <b>Prof. Shahid Ahmed</b> , Director of CJNS and Head Department of Economics, Jamia Millia Islamia (Central University), New Delhi. Email: sahmed@jmi.ac.in and shahec@gmail.com, Mob: +91-9891344786.  ii. <b>Prof. Neera Verma</b> , Professor of Economics and former Head, Department of Economics, Kurukshetra University, Kurukshetra (Haryana). Email: v_neera00@yahoo.co.in	-

## Structure for M.A. (Economics)

## I Semester

Existing Structure							Proposed Structure (December 2016)						
I Semester							I Semester						
Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Sem. Assessment	Min. Pass Marks	Paper		Contact Hrs. Per Week	Max. Marks	Cont. Assessment	Sem. Assessment	Min. Pass Marks
No.	Nomenclature						No.	Nomenclature					
I	Micro Economic Theory-I	5	75	25	50	27	I	Micro Economic Theory-I	5	75	25	50	27
II	Quantitative Methods-I	5	75	25	50	27	II	Macro Economic Theory-I	5	75	25	50	27
III	Macro Economic Theory-I	5	75	25	50	27	III	Mathematics for Economics	5	75	25	50	27
IV	Public Economics	5	75	25	50	27	IV	Public Economics	5	75	25	50	27
V	Social Science Perspective (Common)	5	75	25	50	27	V	Social Science Perspective (Common)	5	75	25	50	27
<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>	<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>

## II Semester

Existing Structure							Proposed Structure (April/May 2017)						
II Semester							II Semester						
Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Sem. Assessment	Min. Pass Marks	Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Semester Assessment	Min. Pass Marks
No.	Nomenclature						No.	Nomenclature					
I	Micro Economic Theory-II	5	75	25	50	27	I	Micro Economic Theory-II	5	75	25	50	27
II	Quantitative Methods-II	5	75	25	50	27	II	Macro Economic Theory-II	5	75	25	50	27
III	Macro Economic	5	75	25	50	27	III	Statistical Methods for	5	75	25	50	27

	Theory-II							Economics					
IV	Public Finance in India	5	75	25	50	27	IV	Monetary Economics and Modern Banking	5	75	25	50	27
V	Computer Applications (Common)	5	75	25	50	27	V	Research Techniques in Social Sciences (Common)	5	75	25	50	27
				(Th. - 10, Pr. -15)	(Th. - 20, Pr. - 30)						(Th. - 10, Pr. -15)	(Th. - 20, Pr. -30)	
<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>	<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>

### III Semester

Existing Structure							Proposed Structure (December 2017)						
III Semester							III Semester						
Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Sem. Assessment	Min. Pass Marks	Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Sem. Assessment	Min. Pass Marks
No.	Nomenclature						No.	Nomenclature					
I	<i>International Economics-I</i>	5	75	25	50	27	I	International Trade and Commercial Policy	5	75	25	50	27
II	<i>Indian Economy-I</i>	5	75	25	50	27	II	Economics of Growth and Development	5	75	25	50	27
III	<i>Development Economics-I</i>	5	75	25	50	27	III	Financial Economics	5	75	25	50	27
IV	One elective from other, disciplines of Social Sciences Or Monetary Economics	5	75	25	50	27	IV	One Elective from other, disciplines of Social Sciences <b>OR</b> Econometrics	5	75	25	50	27
V	<i>Research Techniques in Social Science (Common)</i>	5	75	25	50	27	V	<i>Computer Applications (Common)</i>	5	75	25	50	27
<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>	<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>

**IV Semester**

Existing Structure							Proposed Structure (April/May 2018)						
IV Semester							IV Semester						
Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Sem. Assessment	Min. Pass Marks	Paper		Contact Hours Per Week	Max. Marks	Cont. Assessment	Semester Assessment	Min. Pass Marks
No.	Nomenclature						No.	Nomenclature					
I	<i>International Economics II</i>	5	75	25	50	27	I	International Money and Finance	5	75	25	50	27
II	<i>Indian Economy II</i>	5	75	25	50	27	II	Indian Economic Development	5	75	25	50	27
III	<i>Development Economics II</i>	5	75	25	50	27	III	Economics of Environment	5	75	25	50	27
IV	One elective from other disciplines Or <i>Financial Institutions and Markets</i>	5	75	25	50	27	IV	Project Work/ Economics of Social Sector/Elective from other Discipline of Social Sciences	-	75	25	50	27
V	Women Studies (Common)	5	75	25	50	27	V	Women Studies (Common)	5	75	25	50	27
<b>Total</b>		<b>25</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>	<b>Total</b>		<b>20</b>	<b>375</b>	<b>125</b>	<b>250</b>	<b>150</b>

**Note:** Grey colour in Italics indicates shifting of the content.

<i>ECONOMICS</i>
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Strikethrough indicates content omitted.

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Black background with text in white indicates addition of the new content.

<b>ECONOMICS</b>
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**MA I Semester  
(December 2016)**

<b>Existing</b>	<b>Proposed</b>	<b>Remarks</b>
<p><b>Paper I: Micro Economic Theory-I Section-I</b>  <del>Role and significance of assumptions in economic analysis, Nature of propositions in economic theory.</del>            Theory of demand: Utility analysis- The indifference curve theory: Characteristics of an indifference curve, Concept of Price Line, Consumer's Equilibrium. Price, Income and substitution effects (Hicks and Slutsky's views), Breaking up the Price effect into income and substitution effects. Normal, Inferior and Giffen Goods. Derivation of demand curve through price consumption curve (PCC), Violation of the premises about indifference curves; Satiation and Lexicographical orderings. <del>Band wagon, Snob and Veblen effects on demand,</del> Elasticity of demand: Price, income and cross elasticity of demand, Elasticity of substitution The Revealed Preference Theory.</p> <p><b>Section –II</b>            Theory of Production: Concepts of production function, Product curves and Iso quants. Laws of production: Law of variable proportions, Symmetry between three stages of production. Degree of homogeneity and Laws of returns to scale, Ridge lines, Iso-cost line, Choice of optional combination of factors, Expansion path. Types of production function: Linear homogeneous, Cobb Douglas, The CES and the Fixed coefficient production functions.</p> <p><b>Section-III</b>            Market Structure: Basic concepts of Revenue Total Revenue (TR) Average Revenue (AR) and Marginal revenue (MR), Relationship between Average Revenue, Marginal Revenue and price elasticity of demand. Theory of cost in the short run and long run. Perfect</p>	<p><b>Paper I: Micro Economic Theory-I</b>  <b>Objective</b>            Microeconomic theory presents in a systematic way, some of the basic analytical techniques which provide not only a foundation for further study in economics, but also can be applied to gain insight into everyday individual decision making and market behavior. The objective of the course is to equip the students in a rigorous and comprehensive manner with the thorough understanding of various aspects of consumer behavior, production theory, behavior of costs and the theory of traditional markets of competition and monopoly.</p> <p><b>Section-A</b>            Theory of demand: Utility analysis – Assumptions and laws of utility analysis; The indifference curve theory: Characteristics of an indifference curve, Concept of Price line, Consumer's equilibrium; Price, income and substitution effects (Hicks and Slutsky's views), Breaking up the Price effect into income and substitution effects; Normal, inferior and giffen goods; Derivation of demand curve through price consumption curve (PCC); Violation of the premises about indifference curves; Satiation and Lexicographical orderings; Elasticity of demand: Price, income and cross elasticity of demand, Elasticity of substitution; The Revealed preference theory.</p> <p><b>Section –B</b>            Theory of Production: Concepts of production function, Product curves and Iso-quants; Laws of production: Law of variable proportions, Symmetry between three stages of production. Degree of homogeneity and Laws of returns to scale, Ridge lines, Iso-cost line, Choice of optional</p>	<p>Considering the size of syllabus, especially Section I, some topics are proposed to be removed.</p>

<p>Competition: Short run and long run equilibrium of a firm and industry. Monopoly: Short run and long run equilibrium of a monopolist, price discrimination under monopoly: First degree, second degree and third degree discrimination.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Baumol, W.J., Economic Theory and operations Analysis, Prentice Hall of India</li> <li>2. Da, Costa, G.C. Production, Prices and Distribution, Tata Mc Graw Hill, New Delhi</li> <li>3. Deaton, A.S. and J. Muellbauer, Economics and consumer behaviour, Cambridge University Press, Cambridge.</li> <li>4. Dobb.M, Theories of Value and Distribution since Adam Smith, Cambridge University Press, Cambridge.</li> <li>5. Ferguson, C.E. and J.P. Gould, Micro Economic Theory, All India Traveller Booksellers (AITBS), Delhi.</li> <li>6. Hirshleifer, J. and A. Glazer, Price Theory and Applications, Prentice Hall of India, New Delhi.</li> <li>7. Koutsoyiannis, A. Modern Micro Economics, Macmillon Press, London.</li> <li>8. Kreps, David M., A Course in Micro Economic Theory, Princeton University Press, Princeton.</li> <li>9. Sen A., Micro Economics: Theory and Applications, Oxford University Press, New Delhi.</li> <li>10. Varian H., Micro Economic analysis, W.W. Norton, New York</li> </ol>	<p>combination of factors, Expansion path; Types of production function: Linear homogeneous, Cobb Douglas, The CES and the Fixed coefficient production functions.</p> <p><b>Section-C</b></p> <p>Market Structure: Basic concepts of Revenue- Total Revenue (TR) Average Revenue (AR) and Marginal revenue (MR); Relationship between Average Revenue, Marginal Revenue and price elasticity of demand; Theory of cost in the short run and long run; Perfect Competition: Short run and long run equilibrium of a firm and industry. Monopoly: Short run and long run equilibrium of a monopolist; Price discrimination under monopoly: First degree, second degree and third degree discrimination.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Baumol, W.J., Economic Theory and Operations Analysis, Prentice Hall of India.</li> <li>2. Da, Costa, G.C., Production, Prices and Distribution, Tata McGraw Hill, New Delhi.</li> <li>3. Deaton, A.S. and J. Muellbauer, Economics and Consumer Behavior, Cambridge University Press, Cambridge.</li> <li>4. Dobb.M, Theories of Value and Distribution Since Adam Smith, Cambridge University Press, Cambridge.</li> <li>5. Ferguson, C.E. and J.P. Gould, Micro Economic Theory, All India Traveller Booksellers (AITBS), Delhi.</li> <li>6. Hirshleifer, J. and A. Glazer, Price Theory and Applications, Prentice Hall of India, New Delhi.</li> <li>7. Koutsoyiannis, A. Modern Micro Economics, Macmillon Press, London.</li> <li>8. Kreps, David M., A Course in Micro Economic Theory, Princeton University Press, Princeton.</li> <li>9. Sen, A., Micro Economics: Theory and Applications, Oxford University Press, New Delhi.</li> <li>10. Varian H., Micro Economic Analysis, W.W. Norton, New York.</li> </ol>	
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Existing	Proposed	Remarks
<p><b>Paper III: Macro Economic Theory –I</b></p> <p><b>Section – I</b> National Income <del>and Accounts</del>; Concepts, Components and Measurement of National Income. Circular flow of income in two, three and four sector economy. <del>Structure of National income accounts: transactions of consumption, production, investment and foreign trade sector</del></p> <p><b>Section-II</b> Basic classical model: Classical Theory of output and Employment. Say’s law of market and Quantitative theory of money, classical Model without saving and Investment – Effects of a change in money supply, labour demand and labour supply, Effects of Rigid money wage, classical theory with saving and Investment. National Income Determination: The Keynesian Model – The Aggregate Demand &amp; Supply Approach. Saving and Investment Approach.</p> <p><b>Section-III</b> Theory of Multiplier: Static and Dynamic Multipliers, Super Multiplier, Paradox of Thrift. Govt. Purchases, Transfer Payments and Tax Multipliers, Balance Budget Multiplier. Consumption Demand: Income – Consumption Relationship – Absolute Income, Relative Income, Permanent Income and life cycle Hypotheses.</p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Branson, W.H., Macro Economic Theory and Policy, Harper and Row, New York.</li> <li>2. Dernberg. T., Macro Economics, Mc Graw Hill, Koga Kusha, Tokyo.</li> <li>3. Dornbusch, R an S Fischer, Macro Economics, Mc-Graw Hill, Koga Kusha, Tokyo.</li> <li>4. Edgmand, M.R., Macro Economics – Theory and Policy, Prentice – Hall of India, New Delhi.</li> <li>5. Shapiro, E., Macro Economic Analysis, 5ed, Galgotia Publications (p) Ltd., New Delhi</li> <li>6. Jha, R., Contemporary Macro Economic Theory and Policy, Willey Eastern Ltd., India</li> </ol>	<p><b>Paper II: Macro Economic Theory –I</b></p> <p><b>Objective</b> Macroeconomics deals with the movement, fluctuations and growth in economic aggregates like income, employment interest rates and the price level. The objective of the paper is to develop the understanding of the students about various economic aggregates and the contribution of various schools of thought in macroeconomics towards the determination of output and employment.</p> <p><b>Section – A</b> Circular flow of income in two, three and four sector economy; National income: concepts, components and measurement of national income.</p> <p><b>Section- B</b> Basic classical model: Classical theory of output and Employment; Say’s law of market and Quantitative theory of money, Classical model without saving and investment – Effects of a change in money supply, Demand for labour and Supply of labour, Effects of rigid money wage, Classical theory with saving and investment. National income determination (two, three, and four sector economies): The Keynesian model – The aggregate demand &amp; supply approach; Saving and investment approach.</p> <p><b>Section-C</b> Theory of multiplier: Static and dynamic multipliers, Super multiplier, Paradox of thrift; Government purchases, Transfer payments and Tax multipliers, Balanced budget multiplier, <i>Foreign trade multiplier</i>. Consumption demand: Income – Consumption relationship – Absolute income, Relative income, Permanent income and Life cycle hypotheses.</p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Branson, W.H., Macro Economic Theory and Policy, Harper and Row, New York.</li> <li>2. Dernberg. T., Macro Economics, McGraw Hill, Koga Kusha, Tokyo.</li> <li>3. Dornbusch, R and S. Fischer, Macro Economics, McGraw Hill, Koga Kusha, Tokyo.</li> <li>4. Edgmand, M.R., Macro Economics – Theory and Policy, Prentice – Hall of India, New Delhi.</li> <li>5. Shapiro, E., Macro Economic Analysis, 5<sup>th</sup> ed, Galgotia Publications (p) Ltd., New Delhi.</li> <li>6. Jha, R., Contemporary Macro Economic Theory and Policy, Willey Eastern Ltd., India.</li> </ol>	<p>The topics proposed to be removed are repetition of content. The content in italics and in grey colour is shifted from Paper III (Semester II)</p>

Existing	Proposed	Remarks
<p><b>Paper II: Quantitative Methods-I</b></p> <p><b>Section – I</b>  <del>Nature and scope of Statistics. Sample v/s Types of sampling census methods. Frequency and Cumulative Frequency distributions. Measures of Central Tendency, Dispersion, Skewness, Kurtosis.</del></p> <p><b>Section-II</b>  <del>Correlation-Simple, Partial and Multiple. Association of attributes (case of two attributes only).</del></p> <p><del>Simple and Multiple Linear Regression (case of two variables only). Coefficient of Determination.</del></p> <p><b>Section-III</b>  Determinants and their basic properties. Solution of simultaneous equations by Cramer's rule. Concept and types of matrices. Addition, subtraction and multiplication of matrices. Inverse of a matrix and solution of simultaneous equations. Static input output analysis.</p> <p>Straight-line, parabola and hyperbola as used in economics (equations and main properties only)</p> <p>Linear Programming - Formulation of a Linear programming problem; solution of a linear programming problem by graphic method. Game Theory-Two Person, Zero-sum game, Pure and Mixed strategy, Saddle Point Solution.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>Chiang A.C.: Fundamental methods of Mathematical Economics, Mc-graw hill, New York.</li> <li>Gupta, S.C.: Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.</li> <li>Gupta, S.P. : Statistical methods, S. Chand and Sons, New Delhi.</li> <li>Speigal, M.R.: Theory and Problems of Statistics, Mcgraw Hill Book Co., London.</li> <li>Nagar, A.L. and Sharma, P.D.: Statistical Methods of Economic Analysis, S. Chand and Sons, Delhi.</li> <li>Yamme,Taro: Mathematics for Economists, Prentice Hall of India, New Delhi.</li> </ol>	<p><b>Paper III: Mathematics for Economics</b></p> <p><b>Objective</b>  It is now generally accepted that the study of modern economics is incomplete without knowledge of mathematics. The purpose of this course is to equip the students with the knowledge of Mathematical Techniques essential for the understanding of economic theory and problems. Hence, in this paper students will understand the various economic concepts, which are amenable to mathematical treatment.</p> <p><b>Section – A</b>  Determinants and their basic properties; Solution of simultaneous equations by Cramer's rule; Concept and types of matrices; Addition, subtraction and multiplication of matrices; Inverse of a matrices and solution of simultaneous equations;  Static input-output analysis- Open and closed models.</p> <p><b>Section- B</b>  Linear programming (LP): concept and formulation of LP problems, Solutions of LPP by Graphical and Simplex methods;  Straight line, Parabola and Hyperbola as used in economics;  Game theory -Concept of a game; Strategies – Simple and Mixed; Value of a game; Saddle point solution.</p> <p><b>Section- C</b>  <del>Differentiation of a function; Maxima and Minima - in Single and multivariable functions -unconstrained and constrained, Partial differentiation. Application differential and Integral calculus in economics.</del></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>Chiang A.C.: Fundamental Methods of Mathematical Economics, McGraw hill, New York.</li> <li>Yamme, Taro: Mathematics for Economists, Prentice Hall of India, New Delhi.</li> <li>Klein M.W: Mathematical Methods for Economics, 2nd edition, Addison-Wesley.</li> <li>Dowling Edward: Introduction to Mathematical Economics, McGraw Hill.</li> </ol>	<p>The two existing papers namely Quantitative Methods-I and Quantitative Methods-II are proposed to be recast into Mathematics for Economics and Statistical Methods for Economics incorporating new content. This offers a more logical division of the content—the first paper deals with mathematical techniques and second with statistical methods useful for economists.</p> <p>Topics in italics and in grey in colours (in existing) are shifted to Paper III (Semester II).</p> <p>Topics in italics (in proposed) syllabus are shifted from Paper II (Semester II).</p> <p>The topics proposed to be removed are repetition of content taught in B.A.</p>

Existing	Proposed	Remarks
<p><b>Paper II: Public Economics</b></p> <p><b>Section-I</b> Role of Government: Changing perspective about role of government in organized society, <del>Government in a mixed economy</del>, Distinction between pure public goods and pure private goods, <del>Market failure: Externalities, Natural Monopoly and Public policy.</del></p> <p>Taxation: Theory of incidence and alternative concepts of incidence, The incidence and shifting of a tax under Monopoly and Perfect competition, Comparison of a unit tax and ad-valorem tax of equal yield.</p> <p><b>Section-II</b> Allocative and Equity aspects of a Tax: Theory and Measurement of dead weight losses, Equity or justice in taxation: Benefit and Ability-to-pay approaches. Public Expenditure: Hypothesis to explain the growth of public sector- Wagner’s law of increasing state activities, <del>Baumol’s unbalanced growth model</del>, The Peacock – Wiseman hypothesis. <del>Reforms in expenditure budgeting: Programme and Performance budgeting, Zero based budgeting.</del></p> <p><b>Section-III</b> <del>Criteria for public investment: Social cost benefit analysis project objectives, benefit estimation and evaluation, estimation of project costs, selection of discount rate.</del> Public Debt: Meaning, Sources, Effects, Debt-redemption, <del>Burden of Public debt (internal and external burden).</del> Principles of debt management.</p> <p><b>Paper IV(SEM II): Public Finance in India</b></p> <p><b>Section-I</b> <del>Indian tax system, Sources of tax and non tax revenue of central government. Major Taxes: Personal income taxation, Corporate income tax, Central excise and Custom duties. Value Added Tax, MODVAT</del></p> <p><b>Section-II</b> State and Local finance: An introduction to sources of tax and non tax revenue of state and local governments. <del>Fiscal Policy: Meaning, Objectives of fiscal policy in developing and developed countries. Concepts of budget deficits. Fiscal policy for stabilization Automatic v/s Discretionary stabilization. Alternative measures of resource mobilisation.</del></p> <p><b>Section-III</b></p>	<p><b>Paper IV: Public Economics</b></p> <p><b>Objective</b> The aim of this course is to impart students a thorough understanding of the role and functions of the government in a modern economy. It covers the broad spectrum of public sector economy with a view to examining the issues which underline criteria for welfare judgments, theory of public goods, tax incidence, expenditure incidence and issues of federal finance (with special reference to India) etc.</p> <p><b>Section- A</b> Role of government: Changing perspectives about role of government in organized society, Concept of pure public goods and pure private goods; Taxation: Allocative and equity aspect of tax; Theory and measurement of dead weight losses, Equity or justice in taxation; Benefit and Ability to pay approaches.</p> <p><b>Section- B</b> Public expenditure: Hypothesis to explain the growth of public sector- Wagner’s law of increasing state activities, The Peacock-Wiseman hypothesis; Theory of incidence and alternative concepts of incidence; The incidence and shifting of a tax under monopoly and perfect competition. Public debt: Meaning, sources effects, Debt redemption; Concepts of budget deficit, <b>Fiscal consolidation in India.</b></p> <p><b>Section- C</b> Federal finance in India: Principles of federal finance, Functions and sources of revenue of federal governments (Union, State and Local); Fiscal federalism in India: Vertical and Horizontal imbalances, Constitutional provision; Resource transfer from central government: Recommendation of latest finance commission; Criteria for transfer of resources; Centre-state financial relations in India.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Atkison, A.B. and J.K. Stigler, Lectures on Public Economics, Tata McGraw Hill, New York.</li> <li>2. Aurbach, A.J. and M. Feldstein (Eds), Handbook of Public Economics</li> </ol>	<p>The two existing papers namely, Public Economics (Semester-I) and Public Finance in India (Sem. II) are proposed to be recast into one paper.</p>

<p>Federal Finance: Principles of multi-unit Finance, Fiscal federalism in India, Vertical and Horizontal Imbalance, Constitutional provisions, Finance Commission and Planning Commission, Devolution of resources and grants. Criteria for transfer of resources. Central state financial relations in India.</p> <p><b>References</b></p> <ol style="list-style-type: none"> <li>1. Atkison, A.B. and J.K. Stigler, Lectures on Public Economics, Tata Mc Graw Hill, New York.</li> <li>2. Aurbach, A.J. and M. Feldsten (Eds), Handbook of Public Economics Vol.I North Holland.</li> <li>3. Dorfman R. (Ed.), Measuring the Benefits of Government Investment Brooking Institution, Washington.</li> <li>4. Goodi, R. Government Finance in Developing Countries. Tata Mc Graw Hill, New Delhi.</li> <li>5. Jha, R. Modern Public Economics, Rontledge.</li> <li>6. Musgrave, R.A. the Theory of Public Finance Mc Graw Hill, Kogakusha, Tokyo.</li> <li>7. Musgrave, R.A.; And P.B. Musgrave, Public Finance in Theory and Practice, Mc Graw Hill, Kogakusha, Tokyo.</li> <li>8. Stiglitz Joseph, E., Economics of Public Sector, W.W. Norton and Company, New York,London</li> <li>9. Tyagi, B.P., Public Finance, Jai Prakash Nath &amp; Co., Meerut.</li> <li>10. Bhatia, H.L., Public Finance, Vikas Publishing House, New Delhi.</li> <li>11. Hajela, T.N., Principle of Public Finance, Konark Publications Private Ltd, New Delhi.</li> <li>12. Bhargava, p.k., India's Fiscal Crisis, Ashish Publishing House, New Delhi.</li> <li>13. Chelliah, Raja J. et.al.Trends and Issues in India's Federal Finance, National Institute of Public Finance and Policy, New Delhi.</li> <li>14. Mundle, s., Public Finance Policy: Issues for India, Oxford University Press, New Delhi.</li> <li>15. Shrivastava, D.K.(ed.), Fiscal Federalism in India, HarAnand Publications Ltd.New Delhi.</li> </ol>	<p>Vol. I, North Holland.</p> <ol style="list-style-type: none"> <li>3. Dorfman R. (Ed.), Measuring the Benefits of Government Investment Brooking Institution, Washington.</li> <li>4. Goodi, R., Government Finance in Developing Countries. Tata McGraw Hill, New Delhi.</li> <li>5. Jha, R., Modern Public Economics, Routledge.</li> <li>6. Musgrave, R.A., The Theory of Public Finance McGraw Hill, Kogakusha, Tokyo.</li> <li>7. Musgrave, R.A; and P.B. Musgrave, Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.</li> <li>8. Stiglitz Joseph, E., Economics of Public Sector, W.W. Norton and Company, New York, London.</li> <li>9. Tyagi, B.P., Public Finance, Jai Prakash Nath &amp; Co., Meerut.</li> <li>10. Bhatia, H.L., Public Finance, Vikas Publishing House, New Delhi.</li> <li>11. Hajela, T.N., Principle of Public Finance, Konark Publications Private Ltd, New Delhi.</li> <li>12. Bhargava, P.K., India's Fiscal Crisis, Ashish Publishing House, New Delhi.</li> <li>13. Chelliah, R.J.et.al. Trends and Issues in India's Federal Finance, National Institute of Public Finance and Policy, New Delhi.</li> <li>14. Mundle, S., Public Finance Policy: Issues for India, Oxford University Press, New Delhi.</li> <li>15. Shrivastava, D.K. (ed.), Fiscal Federalism in India, Har Anand Publications Ltd. New Delhi.</li> </ol>	
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Existing	Proposed	Remarks
<p><b>Paper V: Social Science Perspective</b></p> <p><b>Rationale:</b> The perspectives in Social Sciences are deeply influenced by values, beliefs and historical concerns. This course introduces the ways in which concepts and theories in social science disciplines are constructed and become instrumental in the understanding of social phenomena - The goal of this course is to acquaint and engage students in discussing different social science disciplines in an integrated manner in terms of perspective, conceptual framework and substantive coverage of relevant social issues. Such a holistic view encompassing different social science disciplines will provide insights to interpret social events at any given point of time. An understanding of the basic ingredients of social science disciplines will help in contextualizing social reality.</p> <p><b>Section I - Introductory :</b></p> <ol style="list-style-type: none"> <li>(1) What constitutes social sciences <ol style="list-style-type: none"> <li>(i) Social science as a scientific pursuit</li> <li>(ii) Difference between natural and social sciences</li> </ol> </li> <li>(2) Brief history of the growth of social science (using sociology of knowledge framework)</li> <li>(3) Key social sciences disciplines and linkages between them and growth of new specialism with interdisciplinary orientation</li> </ol> <p><b>Section II - Major Paradigm Shifts in Social Sciences :</b></p> <ol style="list-style-type: none"> <li>(1) Historical, Descriptive, Normative Approach.</li> <li>(2) Structural - Functional Approach</li> <li>(3) Marxist Approach. (4) Phenomenology (5) Systems Approach</li> </ol>	<p><b>Paper V: Social Science Perspective</b></p> <p><b>Rationale:</b> The course introduces the ways in which concepts and theories in social science disciplines are constructed and become instrumental in the understanding of social phenomena - The objective of this course is to acquaint and engage students in discussing different social science disciplines in an integrated manner in terms of perspective, conceptual framework and substantive coverage of emerging themes.</p> <p><b>Section-A</b></p> <p><b>The Evolution of Social Science:</b> Philosophy of knowledge and the study of society in Pre-Modern Era; Enlightenment, Modernism and the Idea of Social Sciences'; Idiographic and Nomothetic dichotomy; The Natural and Social Science divide; The Inter-disciplinary relations.</p> <p><b>Section- B</b></p> <p><b>Perspectives to Social Phenomena</b> Historical, Normative Approach, Classical Economy: Critique of Political Economy; Psycho-analytical Interpretation; 'The 'Orient' and 'Occident' Perspective: Lucknow School, Lohian Approach, Amartya Sen (Welfare Economics and Social Justice); Peter Winch, Thomas Kuhn' added.</p> <p><b>Section- C</b></p> <p><b>Emerging Themes</b> Cliometrics and the Quantitative analysis of the Social Change; Science, Technology and Ecology; Developing ideas on 'Self': Self Concept, Self Esteem and Social Identity.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Allbrow, Martin, The Global Age: State and Society Beyond Modernity, Polity Press, Cambridge, 1996.</li> </ol>	<p>Syllabus has been modified in order to make it more theoretically sound. The inclusion of Modernism, Idiographic and Nomothetic dichotomy, the addition of Lucknow School, and the philosophical ideas of Amartya Sen and Peter Winch will help to understand the evolution and development of Social Science till the contemporary times. At the same time, fundamentals of the existing syllabus have been kept intact and the developing paradigms in the Social Science Research have been included.</p>

**Section – III Emerging concerns in Social Sciences :**

- a. Emerging Approaches - Post - Modernism, Inter-disciplinarity
- b. New Research Foci - Environment, Globalization
- c. Growth of Social Sciences in India, Brief History and Emerging concerns

2. Almond, G. A. and Powell, G. B., Comparative Politics - A Developmental Approach, Boston, Little Brown and Co., 1966.
3. Atal, Yogesh, Social Science: The Indian Scene, Abhinav Pub., New Delhi, 2003.
4. Bunge, Mario, Social Science under Debate: A Philosophical Perspective, Toronto: University of Toronto Press, 1999.
5. Coolingwood, R.G., The Oxford University Press, New York, 1946.
6. Dube, S.C., Social Sciences and Social Realities, IAS, Shimla, 1976.
7. Easton, David, A System Analysis of Political Life, John Wiley and Sons, Inc. 1965.
8. Flyvbjerg, Bent, Making Social Science Matter: Why Social Inquiry Fails and How it Can Succeed Again, Cambridge University Press, Cambridge, 2003.
9. Gupta, Surendra. K., Emerging Social Science Concerns, Concept Pub., 2004.
10. Harrington, Austin, Hermeneutic Dialogue and Social Science: A Critique of Gadamer and Habermas, Routledge, London and New York, 2005.
11. Hutcheon, L., The Politics of Postmodernism, Routledge, London and New York, 1989.
12. Joshi, P.C., Social Science and Development: Quest for Relevance, Har-Anand, New Delhi, 1995.
13. Kuhn T.S., Structure of Scientific Revolution, University of Chicago Press, 2012.
14. Mckenzie, N, A Guide to Social Sciences, Weidenfeld & Nicolson, 1966.
15. Mehta, V.R., Foundations of Indian Political Thought, Manohar Publications, 1996.
16. Sen, Amartya, The Idea of Justice, Harvard University Press, 2008.
17. Winch, Peter, The Idea of Social Sciences, Routledge, London and New York, 2008.

**II Semester (April/May, 2017)**

<b>Existing</b>	<b>Proposed</b>	<b>Remarks</b>
<p><b>Paper I: Micro Economic Theory - II</b></p> <p><b>Section-I</b> Market Structure: Monopolistic competition: Assumptions, product differentiation and the demand curve, The concepts of industry and group, Short run and long run equilibrium of a firm. Oligopoly: Non-collusive oligopoly: The Duopoly models of Cournot, Bertrand and Stackelberg, Chamberlin's oligopoly model. The Kinked demand curve model. Collusive oligopoly: Theory of cartels and price leadership models. A 'Representative' Model of Average – Cost pricing.</p> <p><b>Section-II</b> Distribution: <del>Marginal productivity theory</del>, the general theory of factor price determination under competition, monopoly and monopsony. Concept of exploitation of labor and role of labour unions in wage determination. <del>Determination of rent wages and interest. The nature of profit. Euler's Product Exhaustion theorem.</del></p> <p><b>Section-III</b> General Equilibrium: Meaning, Partial V/S General equilibrium approach, Walrasian General equilibrium model, Tatonnement, Existence, Uniqueness and stability of equilibrium, A graphical treatment of the 2-factor, 2-commodity, 2-consumer general equilibrium system (2x2x2 model). Welfare economics: Criteria of Social Welfare- Value judgments in welfare economics, Basic theorems of New welfare economics- Pareto optimality and necessary conditions to achieve it. Market forms and welfare. Compensation principle: Kaldor Hicks criterion, Little's criterion, The Bergson criterion: Social Welfare function.</p> <p><b>References:</b> 1. Baumol, W.J., Economic Theory and Operations Analysis, Prentice Hall</p>	<p><b>Paper I: Micro Economic Theory - II</b></p> <p><b>Objective</b> The objective of the course is to equip the students in a rigorous and comprehensive manner with the thorough understanding of various aspects of decision making by firms and determination of factor prices, theories of general equilibrium and welfare economics.</p> <p><b>Section-A</b> Market structure: Monopolistic competition: assumptions, product differentiation and the demand curve, The concepts of industry and group, Short run and long run equilibrium of a firm; Oligopoly: Non-collusive oligopoly: The Duopoly models of Cournot, Bertrand and Stackelberg, Chamberlin's oligopoly model; The kinked demand curve model; Collusive oligopoly: Theory of cartels and price leadership models; A 'Representative' model of average – Cost pricing.</p> <p><b>Section-B</b> Distribution: The general theory of factor price determination under perfect competition, monopoly and monopsony; Concept of exploitation of labor and role of labor unions in wage determination.</p> <p><b>Information economics: Types of asymmetric information-Moral hazard, Adverse selection, Signalling; Market for lemons; Principal agent problem; Efficiency of market outcomes under asymmetric information.</b></p> <p><b>Section-C</b> General Equilibrium: Meaning, Partial versus General equilibrium approach, Walrasian general equilibrium model, Tatonnement, Existence,</p>	<p>The topics proposed to be removed are repetition of content taught in B.A.</p>

<p>of India, New Delhi.</p> <ol style="list-style-type: none"> <li>2. Da.Costa.G.C. Production, Price and Distribution, Tata Mc Graw Hill, New Delhi.</li> <li>3. Dobb.M, Theories of Value and Distribution since Adam Smith, Cambridge University Press, Cambridge.</li> <li>4. Ferguson, C.E. and J.P. Gould, Micro economic Theory, All India Traveler Bookseller (AITBS), Delhi.</li> <li>5. Hirsh leifer, J. and A. Glazer, Price Theory and Applications, Prentice Hall of India, New Delhi.</li> <li>6. Koutsoyiannis, A. Modern Micro Economics, Macmillon Press, London.</li> <li>7. Kreps, David M., A Course in Micro Economic Theory, Princeton University Press, Princeton.</li> <li>8. Sen A., Micro Economics: Theory and Applications, Oxford University Press, New Delhi.</li> <li>9. Varian H., Micro Economic Analysis, W.W. Norton, New York.</li> <li>10. Quirk, J.R. Saposnik, Introduction to General Equilibrium Theory and Welfare Economics, Mc Graw Hill, New York.</li> </ol>	<p>Uniqueness and stability of equilibrium, A graphical treatment of the 2-factor, 2-commodity, 2-consumer general equilibrium system (2x2x2 model); Welfare economics: Criteria of social welfare- Value judgments in welfare economics, Basic theorems of new welfare economics- Pareto optimality and necessary conditions to achieve it; Market forms and welfare; Compensation principle: Kaldor-Hicks criterion; The Bergson criterion: Social welfare functions.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Baumol, W.J., Economic Theory and Operations Analysis, Prentice Hall of India, New Delhi.</li> <li>2. Da.Costa. G.C., Production, Price and Distribution, Tata McGraw Hill, New Delhi.</li> <li>3. Dobb. M, Theories of Value and Distribution Since Adam Smith, Cambridge University Press, Cambridge.</li> <li>4. Ferguson, C.E. and J.P. Gould, Micro Economic. Theory, All India Traveller Booksellers (AITBS), Delhi.</li> <li>5. Hirsh leifer, J. and A. Glazer, Price Theory and Applications, Prentice Hall of India, New Delhi.</li> <li>6. Koutsoyiannis, A., Modern Micro Economics, Macmillon Press, London.</li> <li>7. Kreps, David M., A Course in Micro Economic Theory, Princeton University Press, Princeton.</li> <li>8. Sen A., Micro Economics: Theory and Applications, Oxford University Press, New Delhi.</li> <li>9. Varian H., Micro Economic Analysis, W.W. Norton, New York.</li> <li>10. Quirk, J.R. Saposnik, Introduction to General Equilibrium Theory and Welfare Economics, McGraw Hill, New York.</li> <li>11. Macho-Stadler, J. David Pérez-Castrillo, Richard Watt, An Introduction to the Economics of Information: Incentives and Contracts, Second Edition, Oup..</li> </ol>	
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Existing	Proposed	Remarks
<p style="text-align: center;"><b>Paper- III: Macro Economic Theory-II</b></p> <p><b>Section –I</b> Investment Demand: Theories of Investment – Accelerator and Profit Theories of Business cycle: Samuelson and Hicks. <del>Inflation: Demand Pull and Cost Push Approaches,</del> Phillips curve: Tradeoff between Inflation and unemployment, Keynesian Explanation of Phillips curve. Natural Unemployment Hypothesis and Adaptive Expectation (Friedman’s view). Long – Run Phillips curve – Rational Expectations. Relationship between short Run and Long Run Phillips curve. The New classical model (Lucas View). The New Keynesian Model</p> <p><b>Section –II</b> Equilibrium in Money Market: The Keynesian Model, Liquidity trap. Simultaneous equilibrium in Money and product market- IS-LM Model. Relative Effectiveness of monetary and Fiscal Policies. Fiscal Policy and crowding Out.</p> <p><b>Section-III</b> <del>Open Economy Macro Economics: Determination of Income in four sector economy. Foreign Trade Multiplier, Internal and External Balance: Swan Diagram, Mundell – Fleming Model – IS LM Model with fixed Exchange Rate only.</del></p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Branson, W.H., Macro Economic Theory and Policy, Harper and Row, New York.</li> <li>2. Dernberg, T., Macro Economics, Mc Graw Hill, Koga Kusha, Tokyo.</li> <li>3. Dornbusch, R. and S. Fischer, Macro Economics, Mc Graw Hill, Koga Kusha, Tokyo.</li> <li>4. Edgmand, M.R., Macro Economics: Theory and Policy, Prentice-Hall of India, New Delhi.</li> <li>5. Shapiro, E., Macro Economic Analysis, 5ed. Galgotia Publication</li> </ol>	<p style="text-align: center;"><b>Paper II: Macro Economic Theory – II</b></p> <p><b>Objective</b> The objective of the paper is to develop the understanding of the students about the contribution of various schools of thought in macroeconomics towards the determination of output and employment.</p> <p><b>Section –A</b> Investment demand: <b>Stock market and Tobin’s q-ratio, Accelerator theory of investment (simple and flexible acceleration models);</b> Theories of business cycle: Samuelson, Hicks and <b>Kaldor models.</b></p> <p>Phillips curve: Tradeoff between inflation and unemployment, Keynesian explanation of Phillips curve; Natural unemployment hypothesis and Adaptive expectation (Friedman’s view); Long–Run Phillips curve– Rational expectations; Relationship between short run and long run Phillips curve.</p> <p><b>Section-B</b> The new classical model (Lucas view); The new Keynesian model; <b>Real business cycle school: Real business cycle school and inter temporal substitution of labor- Real business cycle theory- technology shocks- neutrality of money and flexibility of wages and prices- Real business cycle view on great depression.</b></p> <p><b>Section –C</b> Equilibrium in money market: The Keynesian model, Liquidity trap; Simultaneous equilibrium in money and product market- IS-LM model; Relative effectiveness of monetary and fiscal policies; Fiscal policy and crowding-out; <b>Lags in the effect of macroeconomic policy, Rules versus Discretion.</b></p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Branson, W.H., Macro Economic Theory and Policy, Harper and Row, New York.</li> <li>2. Dernberg, T., Macro Economics, McGraw Hill, Koga Kusha, Tokyo.</li> <li>3. Dornbusch, R. and S. Fischer, Macro Economics, McGraw Hill, Koga Kusha, Tokyo.</li> </ol>	<p>1. Topics in italics and grey in colour have been shifted to Paper II (Semester I).</p> <p>3. The topics proposed to be removed are repetition of content taught in Paper I (Semester IV).</p>

<p>Private Ltd., New Delhi.</p> <p>6. Jha, R. Contemporary Macro Economic Theory and Policy, Willey Eastern Ltd., India.</p> <p>7. <del>Salvatore, Dominick, International Economics, Mac Millan Publishing company, New York.</del></p> <p>8. Mishkin Fredric S, The Economics of Money, Banking and Financial market, Addison, Wisley</p>	<p>Kusha, Tokyo.</p> <p>4. Edgmand, M.R., Macro Economics: Theory and Policy, Prentice-Hall of India, New Delhi.</p> <p>5. Shapiro, E., Macro Economic Analysis, 5ed. Galgotia Publication Private Ltd., New Delhi.</p> <p>6. Jha, R., Contemporary Macro Economic Theory and Policy, Willey Eastern Ltd., India.</p> <p>7. Mishkin F. S., The Economics of Money, Banking and Financial market, Addison, Wisely.</p> <p>8. Froyen T. Richard, Macroeconomics: Theories and Policies, Pearson Prentice Hall.</p>	
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Existing	Proposed	Remarks
<p style="text-align: center;"><b>Paper II: Quantitative Methods-II</b></p> <p><b>Section –I</b> Deterministic and non deterministic experiments, Experiment and types of events, classical and empirical definitions of probability, laws of addition and multiplication, conditional probability and concept of interdependence, Baye’s theorem and its applications. Concept of random variable, mean and variance of a random variable. Mathematical expectation. Binomial, Poisson and Normal probability distributions.</p> <p><b>Section-II</b> Concept of Parameter and statistic. Concept of an estimator and its sampling distribution, Standard Errors. Desirable properties of an estimator. Basic concepts in hypothesis testing - null and alternative hypothesis, confidence interval, level of significance, Critical region, one and two tail test, type I and Type II errors, Hypothesis testing based on Z, T, F and Chi Square Tests.</p> <p><b>Section-III</b> <i>Differentiation and integration of functions of single variable (students are not expected to know the proof of the relevant theorems but to only perform operations on simple functions). Partial derivatives of simple functions of two variables. Maxima and minima of functions (with and without - constraint). Simple applications of differential and integral Calculus in Economics.</i></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li><del>Chaing, A.C.: Fundamental Methods of Mathematical Economics, Mc-graw hill, New York.</del></li> <li>Gupta, S.C. : Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.</li> <li>Gupta, S.P. : Statistical methods, S. Chand and Sons, New Delhi.</li> <li>Speigal, M.R. : Theory and Problems of Statistics, McGraw Hill Book Co., London.</li> <li>Nagar, A.L. and Sharma, P.D. : Statistical Methods of Economic Analysis, S. Chand and Sons, Delhi.</li> <li><del>Yamme, Taro: Mathematics for Economists, Prentice Hall of India, New Delhi.</del></li> </ol>	<p style="text-align: center;"><b>Paper III: Statistical Methods for Economics</b></p> <p><b>Objective</b> It is now generally accepted that the study of modern economics is incomplete without knowledge of Statistics. Objective of this paper is to train the students to use the statistical techniques commonly applied to understand and analyze economic problems. The paper deals with techniques helpful in data collection, analysis and drawing inferences about statistical hypotheses.</p> <p><b>Section-A</b> <i>Sample v/s census methods; Types of sampling; Correlation – simple, partial and multiple; Association of attributes (case of two attributes only); Simple and multiple linear regressions; Coefficient of determination.</i></p> <p><b>Section-B</b> Deterministic and non-deterministic experiments, Experiment and types of events, Classical and empirical definitions of probability, Laws of addition and multiplication, Conditional probability and concept of interdependence, Baye's theorem and its applications; Concept of random variable, Mean and variance of a random variable; Mathematical expectation; Binomial, Poisson and Normal probability distributions.</p> <p><b>Section-C</b> Concept of parameter and statistic; Concept of an estimator and its sampling distribution, Desirable properties of an estimator; Basic concepts in hypothesis testing - null and alternative hypothesis, Confidence interval, Level of significance, Critical region, One and two tail test, Type I and Type II errors, Hypothesis testing based on Z, T, F(including one way and two way ANOVA) and Chi square tests.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>Gupta, S.C., Fundamentals of Applied Statistics, S. Chand and Sons, New Delhi.</li> <li>Gupta, S.P., Statistical Methods, S. Chand and Sons, New Delhi.</li> <li>Speigal, M.R., Theory and Problems of Statistics, McGraw Hill Book</li> </ol>	<p>Topics in italics and grey in colour (in proposed syllabus)are shifted from paper II (Semester I)</p> <p>Topics in italics and grey in colour (in existing syllabus) are shifted to Paper III (Semester I).</p>

	Co., London. 4. Nagar, A.L. and Sharma, P.D., Statistical Methods of Economic Analysis, S. Chand and Sons, Delhi. 5. Chou, Y., Statistical Analysis with Business and Economics Applications, Reinhart and Winston, New York.	
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Existing	Proposed	Remarks
<p><b>Paper IV (SEM III): Monetary Economics</b></p> <p><b>Section-I</b> Money: Meaning, functions and significance. Theories of Money and Prices : traditional quantity theory of money (fisher's and Cambridge Versions), Keynesian theory, Modern Quantity Theory (Friedman's approach)</p> <p>Demand for money: Classical approach, Keynesian approach and post Keynesian: Tobin's approach</p> <p><b>Section-II</b> Supply of Money: Components and measures of money supply. The 'H' theory of money supply, money multiplier - Process and determinants. <del>Factors affecting 'H'</del> RBI's analysis of money supply.</p> <p><b>Section-III</b> Monetary policy: Functions of central bank. Goals, targets and indicators of monetary policy. Measures of credit control. <del>Transmission mechanism of monetary policy—Keynesian and portfolio mechanisms.</del> Lags in monetary policy. <del>The neutrality of money, Discriminatory effects of monetary policy.</del></p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Gupta, S.B. Monetary Economics, S. Chand and Company, New Delhi.</li> <li>2. Harris, L., Monetary Theory, McGraw Hill, New York.</li> <li>3. Friedman, ed. studies in Quantity Theory of Money, University of Chicago Press, Chicago.</li> <li>4. Mitra, S., ed, Money and Banking, Random House, New York.</li> <li>5. Gibson, W.E., and Kaufman, eds, Monetary Economics: Readings on current issued, 2 ed, Tata McGraw Hill, New Delhi.</li> <li>6. Reserve Bank of India (1977), Money Supply: Concepts, Compilation and analysis, RBI Bulletin, January.</li> <li>7. Chick, V., The Theory of Monetary Policy, Basil Black Well, Oxford.</li> <li>8. Jha, R., Contemporary Macroeconomic: Theory and Policy.</li> </ol>	<p><b>Paper IV: Monetary Economics and Modern Banking</b></p> <p><b>Objective</b> This course intends to provide a thorough knowledge about the significant role of money and modern banking. It analyses the role of monetary forces and their interaction with the rest of economy. The paper also deals with modern banks which are most significant in the process of growth and development. The objective of this course is to acquaint the students with the whole gamut of monetary forces, banking operations and also help them to choose banking as a career.</p> <p><b>Section-A</b> Money: Meaning, functions and significance; Theories of money and price: Traditional quantity theory of money (Fisher's and Cambridge versions), Keynesian theory; Modern quantity theory (Friedman's approach) Demand for money: Classical approach, Keynesian approach and post-Keynesian: Tobin's approach.</p> <p><b>Section-B</b> Supply of money: Components and measures of money supply; The 'H' theory of money supply, Money multiplier- process and determinants; RBI's analysis of money supply; Monetary policy: Functions of central bank, goals, indicators of monetary policy, Measures of credit control; Lags in monetary policy.</p> <p><b>Section-C</b> <del>Meaning and functions of commercial banks; Balance sheet of a bank- liabilities and assets; Process of credit creation– purpose and limitations; Investment policy of commercial banks; Commercial bank and economic development; Commercial banking in India: structure, nationalization and reforms; Microfinance: Concept and progress in India; Use of ICT in banks.</del></p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Chandler, L.V., An Introduction to Monetary Economics, Manchester University Press.</li> <li>2. Chick, V., The Theory of Monetary Policy, Basil Black Well, Oxford.</li> <li>3. De Kock, M.H., Central Banking, Staples Press.</li> <li>4. Friedman, ed. Studies in Quantity Theory of Money, university of Chicago Press, Chicago.</li> <li>5. Gibson, W.E., and Kaufman, eds, Monetary Economics: Readings on</li> </ol>	<p>Removing some irrelevant topics from the existing paper selected topics from Modern Banking has been incorporated.</p>

	<p>current issued, 2ed, Tata McGraw Hill, New Delhi.</p> <ol style="list-style-type: none"> <li>6. Gupta, S B., Monetary Economics– Institutions, Theory and Policy, S. Chand &amp; Company Ltd, New Delhi.</li> <li>7. Harrias, L., Monetary Theory, McGraw Hill, New York.</li> <li>8. Lockett, D.G., Money and Banking, McGraw-Hill Kogakusha, Ltd.,</li> <li>9. McCallum, B.T., Monetary Economics: Theory and Policy, New York: Macmillan Publishing Company.</li> <li>10. Rakhshit, M., Money and Finance in the India, Oxford University Press, India.</li> <li>11. Mishkin, F., Monetary Policy Strategy, Prentice Hall of India, New Delhi, 2007</li> <li>12. Misra V.K. and S.K. Puri, Indian Economy (Chapters on Banking and Currency System), Himalaya Publishing House, New Delhi.</li> <li>13. Mitra, S., ed, Money and Banking, Random house New York.</li> <li>14. Reserve Bank of India (1977), Money Supply: Concepts, Compilation and analysis, RBI Bulletin, January.</li> <li>15. Sayers, R.S., Modern Banking, Clarendon Press.</li> <li>16. Sethi, T.T., Monetary Economics, S. Chand and Co., New Delhi.</li> </ol>	
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Existing	Proposed	Remarks
<p><b>Paper V: Research Techniques in Social Sciences</b></p> <p><b>Rationale-</b> The Social investigation of a social phenomenon requires certain procedures and techniques used in survey research methods which may cut across various disciplines. Research Methodology, thus is not disciplines specific, but may be used by the students of various disciplines, especially in social sciences, are exposed and made aware of the various procedures and techniques of research methods. The present syllabus, which will be common for the students of various social science disciplines, has been designed to achieve dual goals. The emphasis in this paper is more on the procedure and techniques of survey research requires for social investigation.</p>	<p><b>Paper V: Research Techniques in Social Sciences</b></p> <p><b>Rationale-</b> The Social investigation of a social phenomenon requires certain procedures and techniques used in survey research methods which may cut across various disciplines. Research Methodology, thus, is not disciplines specific, but may be used by the students of various disciplines, especially in social sciences, are exposed and made aware of the various procedures and techniques of research methods. The present syllabus, which will be common for the students of various social science disciplines, has been designed to achieve dual goals. The emphasis in this paper is more on the procedure and techniques of survey research requires for social investigation.</p>	
<p><b>Techniques of Selection</b></p> <p>Formulation of Research Problem.</p> <p><del>Devising Research Strategy in terms of –</del></p> <p><del>(i) Goals Exploratory, Descriptive, Explanatory, Comparative (Cross sectional, longitudinal, spatial comparison)</del></p> <p>(ii) <del>Selecting Field (Universe)</del></p> <p>(ii) <del>Selecting a Sample</del></p>	<p><b>Section- A</b></p> <p>Formulation of Research Problem.</p> <p>Research Design.</p> <p><b>Formation and types of hypothesis.</b></p> <p>Sampling.</p>	<p>1. Goals are included in Research Design</p> <p>2. Selecting Field and Selecting Sample are included in Sampling in new proposed syllabus.</p>
<p><b>Section-II</b></p> <p><b>Techniques of Data Collection</b></p> <p>(i) Types of Data : Primary and Secondary Data.</p> <p>(ii) Techniques of Primary Data Collection : Observation, Interview, Questionnaire and Schedule</p> <p>(iii) Sources of Secondary Data</p> <p>(iv) Content Analysis</p> <p><b>Essential Readings :</b></p> <p>1. Sellitz, G., Jahoda M., Cook Stuart W. Holt Runehar &amp; Winston, Research Methods in Social Relations, New York.</p> <p>2. Goode W.J. and P.K. Hatt : Methods of Social Research, New York, Free Press, 1987.</p>	<p><b>Section- B</b></p> <p>Source of Primary and Secondary data including <del>library and</del> <b>e-resources.</b></p> <p>Techniques of Quantitative &amp; <b>Qualitative Data</b> Collection: interview, Schedule, Questionnaire, Observation &amp; <b>Oral history.</b></p> <p><b>Case Study</b> &amp; Content Analysis.</p>	<p>Restructuring and some new additions.</p>
<p><b>Section-III</b></p> <p><b>Techniques of Analysis and Presentation</b></p> <p>(i) <del>Coding</del> and Tabulation</p>	<p><b>Section- C</b></p> <p>Classification &amp; Tabulation.</p> <p>Graphic Presentation- Histogram, Bare &amp; Pie diagram.</p> <p>Analysis of Quantitative data: Measures of Central tendency (Mean, Median,</p>	<p>Restructuring and some new additions.</p>



<p>(ii) <del>Scale and Index Construction : SES, SPE</del></p> <p>(iii) Tabular Presentation (a) Univariate, Bivariate, Multivariate (b) Interpreting Tables : concept of data matrix and property space.</p> <p>(iv) (a) Analysis of quantitative data : Measures of central tendency (Arithmetic Mean, Median, Mode), Standard deviation, Correlation Coefficient. Chi-square.</p> <p>(b) Analysis of qualitative data : <del>Association of attributes.</del></p> <p>(v) Graphic Presentation : Histogram, Bar diagram, Pie (Use of computer)</p> <p>(vi) Report Writing <del>and preparation of Bibliography.</del></p> <p>Note : Internal assessment will be based on <b>practical work.</b></p> <p><b>Reference Books :</b></p> <ol style="list-style-type: none"> <li>1. Sijoberg Gideon and Nett Roger : A Methodology for Social Research, Rawat Publication, Jaipur 2002.</li> <li>2. Rosenburg Kenneth : Statistics for Behavioural Sciences. W. C. Brown Publishers, 1990.</li> <li>3. Black Thomas; Understanding Social sciences Research, Sage Publication, New Delhi, 2001.</li> <li>4. Mariampolski H. ; Quantitative market Research- A comprehensive Guide sage Publication, New Delhi.</li> </ol>	<p>Mode), Standard deviation, correlation coefficient.</p> <p><b>An Overview of Hypothesis Testing</b> (A detailed discussion of t, F, Z, <math>\chi^2</math> tests and their applications are not required).</p> <p>Analysis of Qualitative data: <b>Successive Approximation and The Illustrative Method.</b></p> <p>Report writing and the <b>writing of research papers.</b></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Sellitz, G., Jahoda M., Cook Stuart W. Holt Runehar &amp; Winston, Research Methods in Social Relations, New York, 2003.</li> <li>2. Goode W.J. and P.K. Hatt, Methods of Social Research, New York, Free Press, 1987.</li> <li>3. Babbie, E.R., Survey Research Methods, Wadsworth Publishing Company, Belmont California, 2005.</li> <li>4. Shah, Vimal P., Reporting Research, Rachana Prakashan, Ahemedabad, 2001.</li> <li>5. Sijoberg Gideon and Nett Roger, A Methodology for Social Research, Rawat Publication, Jaipur 2002.</li> <li>6. Kothari, C.R., Research Methodology- Methods and Techniques, Wiley and Eastern Limited New Delhi, 2008.</li> <li>7. Rosenburg Kenneth, Statistics for Behavioural Sciences, W. C. Brown Publishers, 1990.</li> <li>8. Black Thomas, Understanding Social Sciences Research, Sage Publication, New Delhi, 2001</li> <li>9. Mariampolski H., Quantitative Market Research- A comprehensive Guide Sage Publication, New Delhi, 2001.</li> </ol>	
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III Semester (July 2017)

Existing	Proposed	Remarks
<p><b>Paper I : International Economics-I</b></p> <p><b>Section-I</b></p> <p><del>Nature of International Economics</del>, Theories of International Trade – Absolute and Comparative Cost advantage theory. Heberler’s opportunity cost theory. Mill’s Reciprocal Demand Theory. Heckscher Ohlin Theorem – Factor Abundance in terms of price and physical. Factor Intensity, Factor Price Equalization Theorem. Leontief Paradox.</p> <p><b>Section-II</b></p> <p>New Theories of International Trade: <del>The KRAVIS theory of Availability</del>, Linders Theory of the volume of trade and Demand Pattern. <del>Posner’s Technological Gap theory. Gains From Trade : Measurement – Ricardian, Mill’s and Modern Approach. Factors affecting gains from trade.</del></p> <p><b>Section-III</b></p> <p><del>Terms of Trade : Types, determination of terms of trade. Factor affecting terms of trade.</del> Economic Growth and International Trade: Effects of Growth on Trade – Production and Consumption effects. Effects of Growth on terms of trade, Immiserising Growth. Increase in factor endowments and International Trade: Rybczynski theorem.</p> <p><del>Exchange Rate: Types, Pegged, Spot, Forward. Determination of Exchange Rate. Mint Par Parity theory and Purchasing Power Parity. Fixed v/s Flexible exchange Rate.</del></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. .Kindleberger,P International Economics, R.D. Irwin, Homewood.</li> <li>2. Sodersten Bo. International Economics Macmillan, London</li> <li>3 Meade. J.F. <del>Theory of International Economic Policy, Vol.II Oxford University Press, London.</del></li> <li>4. Salvatore D.: International Economics, John Willey and Sons.</li> <li>5. Mannur: International Economics, Vikas Publishing House.</li> <li>6. Jingham M.L.: <del>International Economics, Vrinda Publications.</del></li> </ol>	<p><b>Paper I : International Trade and Commercial Policy</b></p> <p><b>Objective</b></p> <p>The objective of the paper is to impart in-depth knowledge to students regarding the broad principles and theories, which tend to govern the free flow of trade in goods and services at the global level, various issues relating to foreign trade and policies, their welfare implications and linkages between foreign trade and growth of economy. The study of the paper under the present era of globalization will train the students about the likely consequences of trade on income, employment and possible policy solutions as the world will move into the 21st century.</p> <p><b>Section -A</b></p> <p>Theories of International Trade – Absolute and Comparative Cost advantage theory; Heberler’s opportunity cost theory; Mill’s Reciprocal Demand Theory; Heckscher Ohlin Theorem – Factor Abundance in terms of price and physical; Factor Intensity, Factor Price Equalization Theorem; Leontief Paradox.</p> <p>Recent explanations of the basis of trade in terms of technological lead, domestic market size: <b>Product Cycle approach</b>, Linder’s hypothesis</p> <p><b>Section- B</b></p> <p><b>Intra-industry trade; Effects of trade under monopolistic competition Neo-Chamberlinian models (Krugman model), Oligopolistic models (Brander-Krugman model); Trade and growth – export led or outward looking industrialization; Effects of growth on trade- Production and Consumption effects; Increase in Factor Endowment-The Rybczynski Theorem; Growth and terms of trade – Concept of immiserising growth.</b></p> <p><b>Section- C</b></p> <p><b>Partial and General equilibrium analysis of tariff and quota; The optimum tariff; Effective rate of protection; Non-tariff barriers and the new protectionism; The theory economic integration – Trade creation – Trade diversion effects.</b></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Kindleberger C.P., International Economics, R.D. Irwin, Homewood.</li> <li>2. Sodersten, Bo, International Economics, Macmillan, London.</li> </ol>	<p>The two existing papers International Economics -I and International Economics-II are proposed to be recast into International Trade and Commercial Policy and International Money and Finance incorporating new content. This offers a more logical division of the content—the first paper deals with pure theory and commercial policy relating to trade and the second one deal with monetary and financial aspect of international exchange.</p> <p>Topics in italics and grey in colour (in proposed syllabus) are shifted from paper I (Semester IV)</p> <p>Topics in italics and grey in colour (in existing syllabus) are shifted to Paper I (Semester IV).</p>

	<ol style="list-style-type: none"><li>3. Salvatore D., International Economics, John Willey and Sons.</li><li>4. Mannur, H.G., International Economics, Vikas Publishing House.</li></ol>	
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Existing	Proposed	Remarks
<p><b>III- Development Economics I</b></p> <p><b>Section-I</b></p> <p>Economic Growth and Economic Development. Measuring development and development gap. Human Development Index and other Indices of development and Quality of life-Food security, Education, Health and Nutrition. Factors Affecting Economic growth - Capital, Labor and Technical Progress.</p> <p><del>Production Function Approach to sources of Growth.</del></p> <p><b>Section –II</b></p> <p>Theories of growth and Development: <del>Linear Stage Theory, Balanced and unbalanced growth, Big Push, Unlimited Supply of labour, Fei Ranis Model, Harrod – Domar Growth Model, Circular Causation.</del></p> <p><b>Section-III</b></p> <p><del>Role of Agriculture in Economic Development. Traditional Agriculture and its modernization .Disguised unemployment – Types and measurement. Incentives and cost for labour transfer.</del></p> <p><del>Rationale and pattern of industrialization in LDCs – Export promotion v/s Import substitution strategies. Complementarity of Agriculture and industry.</del></p> <p><del>Trade theory and economic development, Contribution of trade to development, Prebisch Singer Hypothesis, Dual gap model.</del></p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>Ghatak S.: An Introduction to Development Economics.</li> <li>Thirlwal A.P.: Growth and Development, Macmillan, London.</li> <li>Meier G.M.: Leading Issues in Economic Development, Oxford University Press, and New York.</li> <li>Todaro M.P.: Economic Development in the Third World, Longman, New York.</li> <li>Misra S.K., Puri V.K., Economics of Development and planning, Himalaya Publishing House</li> </ol>	<p><b>Paper II: Economics of Growth and Development</b></p> <p><b>Objective</b></p> <p>This paper aims to develop an understanding among students regarding theories of growth and development. It provides an overview of the concept of development, underdevelopment and covers various tools for measurement of economic development.</p> <p><b>Section -A</b></p> <p>Economic growth and development; Measuring Development: Income Measures, Basic Needs approach, PQLI, HDI and <b>Capability approach.</b> Factors affecting economic growth- capital, labor and technical Progress.</p> <p><b>Section- B</b></p> <p>Theories of development: <b>Classical, Big Push, Lewis, Dualism, Harris-Todaro, New (endogenous) growth theory and Macro determinants of growth; Models of economic growth: Harrod and Domar Neoclassical growth models: Solow, Growth models of Joan Robinson, Kaldor and Pasinetti.</b></p> <p><b>Section- C</b></p> <p><b>Social and intuitional aspects of development: Poverty-concept and measurement, Disguised unemployment- types and measurement, incentives and cost for labour transfer, Inequality: inequality in Income distribution- Kuznets inverted U hypothesis, Lorenz curve and Ginni- coefficient, Justice: Sen’s concept and approach to justice.</b></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>Gillis, M., D.H. Perkins, M. Romer and D.R. Snodgrass, <b>Economics of Development, (3<sup>rd</sup> Edition), W.W. Norton, New York.</b></li> <li><b>Kindleberger, C.P., Economic Development, (3<sup>rd</sup> Edition), McGraw Hill, New York.</b></li> <li>Meier, G.M. and J.E.Rauch, Leading Issues in Economic Development, (8<sup>th</sup> Edition), Oxford University Press, New Delhi.</li> <li>Todaro, M.P. and S.C. Smith, Economic Development, (8<sup>th</sup> Edition), Pearson Education, Delhi.</li> <li>Thirlwal, A.P., Growth and Development, (6<sup>th</sup> Edition), Macmillan, U.K.</li> </ol>	<p>The existing paper is proposed to be recast incorporating new content.</p>

	6. Ray, D., Development Economics, Princeton University Press.	
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Existing	Proposed	Remarks
<p><b>Paper III: Financial Institutions and Markets</b></p> <p><b>Section-I</b>  <del>Financial markets: Role and structure of money market</del>— Call money market, Treasury bill market, Commercial bill market. An introduction to new instruments in money market.  Capital market: Role, Structure, <del>Primary and secondary market for securities.</del>  An introduction to reforms in capital market. (With special reference to India)</p> <p><b>Section-II</b>  Financial intermediaries and intermediation: Banking and non-banking financial institution-Banking structure in India - <del>RBI: functions and monetary policy.</del> NBFIs: Various form of NBFIs. Development Banks - Meaning, Structure and main features with evolution.</p> <p><b>Section-III</b>  <del>International financial institution: International Monetary Fund: Objectives, function and an assessment of the working of IMF, IMF and India. World Bank: functions, role of bank in developing countries, world bank and India. Emergence of a new world economics order. Setting up of World Trade Organisation, WTO and India, Euro dollar Market.</del></p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>Gupta, S.B., Monetary Economics, S. Chand and company, New Delhi.</li> <li>Khan, M.Y. 2ed, Financial Management: Text and Problems, Tata Mc Graw - Hill Publishing Company Limited, New Delhi.</li> <li><del>Machiraju, H.R. 2ed, International Financial Markets and India, Vikas Publishing House Pvt., Ltd.</del></li> <li>Bhole, L.M., Financial Institution and Markets. Tata Mc Graw-Hill Publishing Company Limited, New Delhi.</li> <li>Mishkin, Frederic. S., The Economics of Money, banking and financial Market, 5ed, Addison - Wesley.</li> <li><del>Cherunilam, F., International Economics, Tata Mc Graw Hill Publishing Company Limited, New Delhi.</del></li> <li><del>Mithani, D.M. International Economics.</del></li> </ol>	<p><b>Paper III: Financial Economics</b></p> <p><b>Objective</b>  This course aims to enable the learners in developing and understanding of the financial system in the era of liberalization, privatization and globalization. It is expected that students will develop critical skills in assessing the relevance of the principles of finance and financial intermediation to real world situations, and to better understand the role that financial markets play in the business environment that they will face in the future. The focus will be on the description of Indian financial markets, institutions, instruments and policies.</p> <p><b>Section-A</b>  <del>Meaning and growth of financial economics; Structure of financial systems; Money Market: Call money market, Treasury bill market, Commercial bill market, An introduction to new instruments in money market.</del>  <del>Capital Market: Role and structure, Corporate securities and gilt-edge securities, SEBI and its functions</del> An introduction to reform in capital market (With special reference to India).</p> <p><b>Section-B</b>  Financial intermediaries and intermediation: Banking and non-banking financial institution; Banking structure in India; <del>Banking regulations; Various forms of NBFIs; Functions and salient features of co-operative banks; Development banks-meaning structure and main features with evolution; Role and salient features of growth of the Mutual fund and Insurance.</del></p> <p><b>Section-C</b>  <del>Security Analysis-Meaning and types of risk, concepts and types of returns, risk-return tradeoff; Characteristic and significance of risk management, Financial derivatives-meaning, types and uses; Futures and options-features and types; Derivatives in India-prospects, policies and shortcomings.</del></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li><del>Avadhani, V.A, Financial Economics, Theory and Practice, Himalayan Publication, Bombay.</del></li> <li>Bhole, L.M., Financial Institutions and Markets, Tata McGraw-Hill Publishing Company Ltd., New Delhi.</li> </ol>	<p>* The existing paper is proposed to be recast incorporating new content.  *Topics in italics have been shifted to Paper I (Semester IV).</p>

<p>8. <del>Salvatore, Dominick, International Economics Mac Millan Publishing Company, New York</del></p>	<p>3. Chandra, P., Financial Management, Theory and Practice, Tata Mcgraw Hill, New Delhi.</p> <p>4. David, A. Dubofsky and Thomas W. Miller. JR., Derivatives Valuation and Risk.</p> <p>5. Gupta, S.B., Monetary economics, S. Chand and Company, New Delhi.</p> <p>6. Hampton, John, Financial Decision Making; Prentice-Hall, Delhi.</p> <p>7. Khan, M.Y., Financial Management, Tata McGraw-Hill Publishing Company Ltd., New Delhi.</p> <p>8. Mishkin, Fredrick. S. and S.G. Eakins, Financial Markets and Institutions, 6ed. Pearson, India.</p> <p>9. Mishkin, Fredrick. S., The Economics of Money, Banking and Financial Market, 5ed, Wesley, India</p> <p>10. Stoneir and Shapiro, Money and Banking: An Introduction to the Financial System, Henry Holt, New York.</p>	
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Existing	Proposed	Remarks
<p><b>Paper IV: Econometrics</b>  <b>Section I</b>  Two-variable linear model: Linear model and underlying assumptions, ordinary least squares estimators, linear hypothesis, Testing a single coefficient, Testing the significance of the complete regression, Testing the significance of a subset of coefficients confidence estimation, <math>R^2</math> and adjusted <math>R^2</math>, <del>Use of extraneous information in terms of exact and stochastic linear restrictions, restricted restrictions, Prediction in the least squares model, point and interval predictors.</del></p> <p><b>Section II</b>  <del>Tests for structural change,</del> use of dummy variables, problem of multicollinearity and its remedies, estimation of parameters by generalised least squares in models with non spherical disturbances, heteroscedasticity of disturbances, estimation under autocorrelated disturbances.</p> <p><b>Section III</b>  Simultaneous equation model, concept of structural and reduced forms, problem of identification, rank and order conditions of identifiability, indirect least squares, <del>Two stage least square and limited information maximum likelihood estimation.</del></p> <p><b>Reference Book:</b>  1. <del>Econometric methods by J. Johnston</del>  2. <del>The theory and practice of econometrics by C.G. Judge, W.E. Griffiths, R.C. Hill, Hitkepohl and T.C. Lee.</del>  3. Basic Econometrics by D.N. Gujarati (McGraw-Hill).</p>	<p><b>Paper IV: Econometrics</b>  <b>Objective</b>  The paper aims to equip the students with basic theory of econometrics and relevant applications of the methods. It provides understanding of the fundamental concepts and techniques relating to treatment of three main types of data namely cross section, time series and panel. The focus is on conceptual understanding and ‘hands on’ applications using economic data drawn from real-world examples, rather than on formal theoretical proofs.</p> <p><b>Section A</b>  Definition: scope, goals and division of econometrics. Methodology of econometric research. Linear regression model in two and more than two variables, OLS, Statistical properties of least square estimates; Concept and uses of dummy variables.</p> <p><b>Section B</b>  Violation of classical assumptions of regression model: Multicollinearity, Heteroscedasticity and Autocorrelation; Simultaneous equation bias, and Inconsistency of ordinary least squares estimators, Identification problem; Estimation of simultaneous equation system through indirect least squares.</p> <p><b>Section C</b>  Introduction to time series analysis: Stationarity, Test of stationarity, Dickey-Fuller and PP Unit root; Problem of spurious regression and concept of co-integration (Engle-Granger test), Error correction mechanism and Granger causality test; A basic introduction to panel data techniques: Fixed and Random effect model.</p> <p><b>References:</b>  1. Wooldridge, J., Introductory Econometrics: A Modern Approach, South- Western, 2009.  2. Ramanathan, R., Introductory Econometrics with Applications, fifth edition, Thomson Asia Private Limited, 2002.  3. Gujarati, N.D., Basic Econometrics, fourth edition, McGraw Hill, 2003.  4. Koutsoyiannis, A., Theory of Econometrics, Palgrave,  5. Baltagi, B.H., Econometric Analysis of Panel Data, John Willey and Sons.</p>	<p>Existing paper has been offered as an elective taught along with the students of M.Sc. Statistics. Considering the requirements of students of Economics for a more application oriented approach in pedagogy rather than derivations and proofs, the paper is proposed to be taught separately.  The content is revised incorporating fundamental concepts in Cross Sectional Time Series and Panel data analysis.</p>



Existing	Proposed	Remarks
<p><b>Paper V: Computer Applications</b></p> <p><b>Rationale-</b> Day by day, the use of computer is increasing in the society. Computer application is included in the syllabus to harness its use in Social Science Research. But since, the students of social sciences may have a faint idea of computers, basic concept is included. This will help student to generate interest in computers. Thereafter, software packages which are used in analysis of Social research have been included, so that, it would prepares students in their research. Knowledge about internet will be provided to enable students in search of knowledge. Lab works were included to help students translate their acquired knowledge into practice.</p>	<p><b>Paper V: Computer Applications</b></p> <p><b>Rationale-</b> Day by day, the use of computer is increasing in the society. Computer application is included in the syllabus to harness its use in Social Science Research. But since, the students of social sciences may have a faint idea of computers, basic concept is included. This will help student to generate interest in computers. Thereafter, software packages which are used in analysis of Social research have been included, so that, it would prepares students in their research. Knowledge about internet will be provided to enable students in search of knowledge. Lab works were included to help students translate their acquired knowledge into practice.</p>	
<p><b>Section-A</b></p> <p><b>Introduction to Computers</b></p> <p>Elements of a Computer System, Block Diagram of Computer System and Functions of its Components, Evolution of Computers and Classification, Concept of Hardware and Software. Introduction to Operating Systems (<del>DOS, Windows and UNIX</del>).</p>	<p><b>Section- A</b></p> <p><b>Introduction:</b> What is Computer, Applications of computer, Elements of computer: Hardware &amp; Software, Block Diagram of Computer System Functions of the computer components, Concept of Data and Information, Evolution and Classification of Computer</p> <p><b>Software:</b> What is Software and Types of Software</p> <p><b>Operating System:</b> Introduction and function of Operating System</p> <p><b>Programming languages:</b> Generation of languages, Language Translators: Assembler, Compiler and Interpreter</p> <p><b>Database Management Systems:</b> Concepts &amp; Applications</p>	<p>Some parts are moved from Section-B &amp; C of exiting syllabus to Section-A of the proposed syllabus (with details of sub-topics)</p>
<p><b>Section- B</b></p> <p>PC Software</p> <p>Word Processing: Creating and Saving Documents, Formatting, Inserting Tables and Pictures, and Mail Merge. Spread Sheet: Creating Worksheet, Use of Functions and Creating Charts. Introduction to Presentation Packages, <del>Graphics and Animation packages.</del></p> <p>(b) <del>Introduction to Computing</del></p> <p>Programming languages, System and Application Software, Compiler and Interpreters, Concept of a Program, <del>Program Design &amp; Development, Algorithms and Flowchart Development.</del></p>	<p><b>Section- B</b></p> <p><b>PC Software: Word Processing:</b> Creating, opening and Saving Documents, Formatting, Inserting Tables and Pictures and Mail Merge</p> <p><b>Spreadsheets Package:</b> Creating, Opening &amp; Saving Worksheets, Use of Formulas &amp; Functions, Charts: types, creation, editing. Sorting and Filtering of Data, What-if analysis: Scenarios &amp; pivot table, Goal Seek.</p> <p><b>Presentation Packages:</b> Introduction to Presentation Packages, Inserting Slides, Templates, Slide views, Graphics and Animation</p> <p><b>Introduction to Computer Network:</b> What is Network, Advantages, types of Network: LAN, WAN, MAN</p> <p><b>Internet:</b> Applications, Web browsers, Servers, Internet Services-WWW, E-mail, URL, Search Engines, Concept of Blogging</p>	<p>Some parts are moved from Section-C of exiting syllabus to Section-B of the proposed syllabus</p>

<p><b>Section- C</b></p> <p>Internet &amp; Web</p> <p>Introduction to Popular Packages on Concept of Computer Communication, Compute Network (LAN, WAN, MAN), Internet, Internet Services-www, Email etc.</p> <p>(b) <del>Introduction to Computer Applications in Social Science</del> <del>Data Base Management Systems, Statistical Packages, Expert Systems, Multilingual Applications.</del></p> <p><b>Text Books:</b> <b>Text Reference/Books : Suggested</b></p> <p>T1. Sinha P. K., Computer Fundamentals : concepts , systems and application, BPB Publications</p> <p><b>Reference Book:</b></p> <p>R1. Anita Goel, Computer Fundamental, Pearson . R2. Govil, Mahesh Chand, Computer Fundamental and Programming in C, Jaipur Pub.House R3. Behrouz A Forouzan, Data Communication and Networking</p>	<p><b>Section- C</b></p> <p><b>Lab Work</b></p> <p><b>Analysis through Statistical Packages (SPSS):</b> Types of Variables, Classification and Tabulation of Data, Graphical presentation of Data: Histogram, Bar, and Pie Diagram. Import/Export of Data, Measures of Central tendency: Mean, Mode, and Median. Measure of Dispersion: Standard Deviation. Correlation analysis, Chi-Square Test</p> <p><b>Text Books:</b></p> <p>T1. Sinha P. K., Computer Fundamentals: Concepts , Systems and Application, BPB Publications</p> <p><b>Reference Books:</b></p> <p>R1. Anita Goel, Computer Fundamental, Pearson. R2. Govil, Mahesh Chand, Computer Fundamental and Programming in C, Jaipur Publication House. R3. Behrouz A Forouzan, Data Communication and Networking</p>	<p>Section-C of the proposed syllabus is new to cover Lab work related to course stream.</p>
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**Note:** The duration of examination will be two hours. The total number of questions will be **six** from Section A & B. Students will have to attempt **two** questions from each Section.

#### Semester IV

Existing	Proposed	Remarks
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<p><b>Paper I : International Economics-II</b></p> <p><b>Section-I</b>  <del>Theory of Intervention: Free Trade v/s Protection. Tariff – Types, Effects (under partial equilibrium). Quota – Types and effects. Tariff v/s Quota. The Political Economy of Non- Tariff Barriers. International Economic Integration: Types and Benefits.</del></p> <p><b>Section-II</b>  Balance of Payment: Meaning and structure. Disequilibrium in Balance of Payments: Meaning and Causes. Measures to correct BOP disequilibrium – Automatic Adjustment Mechanism under Gold standard, The Elasticity Approach (J curve effect). The Absorption Approach. Expenditure Reducing and Expenditure Switching Policy.</p> <p><b>Section-III</b>  International capital Movements: Short run and Long run, Merits and Demerits. Factors affecting Capital Movements. Foreign Capital : Various Forms and Role of foreign capital in economic development of less developed countries (LDC’S). <del>Foreign Aid v/s Trade.</del></p> <p><del>European Common Market, SAARC: Trade and economic Corporation SAPTA, ASEAN.</del></p> <p><b>Reference :</b></p> <ol style="list-style-type: none"> <li>1. Kindleberger C.P. : International Economics, .</li> <li>2. Sodersten Bo. : International Economics, Macmillan, London.</li> <li>3. Meade. J.F. ——— : <del>Theory of International Economic Policy, Vol.II Oxford University Press, London.</del></li> <li>4. Salvatore D. : International Economics, John Willey and Sons.</li> <li>5. Mannur,H.G. : International Economics, Vikas Publishing House.</li> <li>6. <del>Jhingan M.L. : International Economics, Vrinda Publications.</del></li> </ol>	<p><b>Paper I: International Money and Finance</b></p> <p><b>Objective</b>  The paper covers the monetary (as opposed to pure aspects of trade covered in Paper-I Semester III) aspects of international economic relations. The objective of the paper is to impart an understanding of balance of payment data, foreign exchange markets and their functioning, balance of payment adjustments and the changing roles of International financial institutions in the evolving global order.</p> <p><b>Section- A</b>  Balance of payment: Meaning and structure; Disequilibrium in balance of payments: Meaning and Causes; Measures to correct BOP disequilibrium: Price adjustment mechanism under fixed and flexible exchange rate; <b>Income adjustment mechanism</b> and Synthesis of automatic adjustments; Fiscal and Monetary policies in BoP adjustment (under both fixed and flexible exchange rates).</p> <p><b>Section- B</b>  Theories of exchange rate determination: PPP theory, <b>Monetary model of BOP under fixed and floating exchange rate – Portfolio balance model; Indian Rupee and its fluctuations in international currency markets; Essentials of international monetary order under Bretton Woods – Problem of international liquidity–Changing role of IMF – IMF conditionalities – World Bank and structural adjustment loan facility.</b></p> <p><b>Section- C</b>  <b>International financial movements: Portfolio and direct investments and their impact on the economy. External debt – measuring the debt burden – Debt servicing – Third World debt problem; Debt and financial crisis; Important international financial crisis: East asian crisis, Brazil, Argentina and Mexico, The sub-prime crisis.</b></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Kindleberger C.P., International Economics, R.D. Irwin, Homewood.</li> <li>2. Salvatore D., International Economics, John Willey and Sons.</li> <li>3. Mannur,H.G., International Economics, Vikas Publishing House.</li> <li>4. <b>Carbough, R.J., International Economics, Thomson South-Western.</b></li> </ol>	<p>Topics in italics and grey in colour are shifted to Paper-I (Semester III).</p>
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Existing	Proposed	Remarks
<p><b>Paper II: Indian Economy-I</b></p> <p><b>Section – I</b>  <del>Basic Feature of Indian Economy as a underdeveloped economy, developed economy and mixed economy. Planning in India Objectives, Strategies, Achievements and failures of planning, Latest Five year plans, New economic policy, Liberalization, Privatization, and Globalization</del></p> <p>Section –II  <del>National income: trends and composition, Introduction of demographic profile in India: population growth, sex ratio, dependency ratio, density of population, Occupational structure in India, Rural urban migration, Demographic transition theory and applicability in Indian context, Demographic transition theory and applicability in Indian context, New population policy and government programs.</del></p> <p>Section –III  <del>Problem of Poverty, Unemployment, Inflation, Inequality. Foreign trade: composition and direction, India’s Balance of Payment.</del></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Mishra, S.K. and V.K. Puri, Indian Economy, Himalaya Publishing House.</li> <li>2. Datt Rudder and K.P.M. Sundharam, Indian Economy, S. Chand and Company Ltd., New Delhi.</li> <li>3. Dhingra, Ishwar C., The Indian Economy; Environment and Policy, Sultan Chand and Sons, Educational Publishers, New Delhi.</li> <li>4. Dewett, Sharma and Verma, Indian Economy, Himalaya Publishing House, New Delhi</li> </ol> <p><b>Paper II (Semester IV): Indian Economy-II</b></p> <p><b>Section – I</b>  <del>Foreign trade policy (after 1991), Concept of SEZ, Foreign Exchange Management Act (FEMA), Convertibility of Rupee, Multinational corporations and their impact on India, World Trade Organization (WTO): Issues and impact on India.</del></p>	<p><b>Paper II: Indian Economic Development</b></p> <p><b>Objective</b>  The objective of this course is to make better understanding of the students, by focusing on an integrated approach to the functioning aspect of the Indian Economy</p> <p><b>Section –A</b>  <del>Development strategy and economic growth in India in pre and post reforms era; Emerging structure of Indian economy – Contribution of different sectors to output, employment and income; Economic reforms; Inclusive growth; Recent policy initiatives under latest five year plans.</del></p> <p><b>Section- B</b>  Review of agricultural performance since independence, Land reforms, Green revolution and Agricultural research, Policy initiatives for sustainable agriculture; WTO agreement and its impact on agriculture; Socio-economic developmental issues: Poverty- measurement extent of reduction in poverty since independence; Unemployment-nature and trends; Recent policy initiatives for these issues.</p> <p><b>Section- C</b>  Industrial, <del>services and infrastructure sector:</del> Review of India’s industrial growth since economic reforms, Policy initiatives for industrial growth; <del>Growth of services industry; State of infrastructure, Promoting investment in infrastructure development, public-private partnership.</del></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Kapila, U. (ed.), Indian Economy Since, Independence, Academic Foundation, 2000.</li> <li>2. Jalan, B. (ed.), The Indian Economy: Problems and Prospects, Penguin Books, 1992.</li> </ol>	<p>The two existing papers namely Indian Economy-I and Indian Economy-II are proposed to be recast into one paper with restructuring existing content and incorporating new content.</p>

## Section -II

Indian Agriculture: Role of Agriculture in Indian Economy, Agricultural development in India (Production and Productivity) Land Reforms, Green Revolution, Agriculture Price Policy, Agriculture Finance. New Agriculture Policy. WTO Agreement and Indian Agriculture, ~~Food security in India.~~

## Section -III

Indian Industries: Industrial Development in India, Pattern of Industrialization. Industrial Policy (After 1991). Importance and Problems of MSME's. Govt. Policy for MSME's.

### References :

1. Mishra, S.K. and V.K. Puri, Indian Economy, Himalaya Publishing House.
2. Datt Ruddar and K.P.M. Sundharam, Indian Economy, S. Chand and Company Ltd., New Delhi.
3. Dhingra, Ishwar C., The Indian Economy; Environment and Policy, Sultan Chand and Sons, Educational Publishers, New Delhi.
4. ~~Dewett, Sharma and Verma, Indian Economy, Himalaya Publishing House, New Delhi.~~

3. Rangarajan, C., Select Essays on Indian Economy, Vol.1 & 2, Academic Foundation, 2004.

4. Krueger A. (ed.), Economic Policy Reforms and the Indian Economy, Oxford University Press, 2003.

5. Mishra, S.K. and V.K. Puri, Indian Economy, Himalaya Publishing House.

6. Datt Ruddar and K.P.M. Sundharam, Indian Economy, S. Chand and Company Ltd., New Delhi.

7. Dhingra, Ishwar C., The Indian Economy; Environment and Policy, Sultan Chand and Sons, Educational Publishers, New Delhi.

Existing	Proposed	Remarks
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14. Murty, M.N., A. James and S. Misra, *The Economics of Water Pollution in India*, Oxford University Press, New Delhi, 1999.

15. Oates, W. E. *Economics of the Environment*, Edward Elgar, Cheltenham, U.K., 1992.

16. Opschoor, J. B. and Vos, H. B., *Economic Instruments for Environmental Protection*. OECD and OCDE, 1989.

17. Sankar, U., Mythili, G. and Anuradha, R., *Environmental Problems in India's Energy Sector and Policies for Corrective Action (Project Report)*, Madras School of Economics, Chennai, 1996.

18. Sankar, U. (ed.). *Environmental Economics*, Oxford University Press., 2000.

19. United Nations. *Accounting and Valuation of Environment, Vol. I and II: A primer for developing Countries*, New York: ESCAP, 1997.

*World Bank, Development and the Environment, World Development Report Series, World Bank, Washington, D. C., 1992.*



Existing	Proposed	Remarks
<p><b>Paper IV: Development Economics-II</b></p> <p><b>Section-I</b>  <del>Planning: Need, Types and Limitation. The problem in allocation of resources : The Broad Policy choices — Industry Vs Agriculture, Comparative cost doctrine, Present Vs Future consumption, Choice of techniques and Appropriate technology, Alternative investment criteria, cost-Benefit analysis, Shadow prices.</del></p> <p><b>Section –II</b>  Economics of Education: - Education as an instrument for Economic growth. Educational Demand and Supply: The relationship between employment opportunities and Educational Demands. Strategies for improving Education and employment.  Approaches to Human Resource Development. Human Resource problems in developing Economies.  Economics of Health: - A brief discussion of Meaning and Scope; Central Role of health in development process, Peculiar Characteristics of health care, Necessity of government intervention.</p> <p><b>Section-III</b>  <i>Environmental Economics: Meaning, Nature and Historical development of environmental economics. Sustainable development: Concept, indicators and measurement. Interrelationship between environment and economic development. Externalities, environmental degradation and Market failure. Environmental Pollution in Global Perspective.</i></p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Thirlwal A.P. Growth and Development, MacMillan, London.</li> <li>2. Todaro M.P. Economic Development in the Third World, Longman, New York.</li> <li>3. Meier &amp; Baldwin Issues in Economic Development.</li> <li>4. Mishra S.K. &amp; Puri V.K. Economics of</li> <li>5. Development and Planning: Theory and Practice; Himalaya Publications.</li> <li>6. Verma J.D., K.K., Sharma M.L., Indian Economics, S. Chand &amp; Company, New Delhi.</li> <li>7. Das Debendra K. (ed.) Indian Economy After 50 years of Independence, Deep and Deep Publications, New Delhi.</li> </ol>	<p><b>Paper IV: Economics of Social Sector</b></p> <p><b>Objective</b>  This course is meant to provide some insights into the application of economic theory in the design and implementation of public policy related to the management of social sectors. Paper deals with issues of social services and the problem of valuation of these services and designing of instruments and institutions for the management of social sector.</p> <p><b>Section- A</b>  Economics of education: definition, nature and scope; Education and labor force participation, Technological change and economic development; Social and private returns on education: Important issues in primary, secondary and higher education.</p> <p><b>Section- B</b>  Financing of education: public-private partnership; Linkages between education, skills and jobs; Wastages in education- Non- participations, Dropouts and Brain- Drain; Need and scope for external participation in education.  Economics of health: meaning and scope; Peculiar characteristics of health care; Health output-input indicators and their correlation with the level of economic development; Public expenditure on health.</p> <p><b>Section- C</b>  Economic determinants of health care; Institutional issues in health care- role of government and market; Measurement of health state utilities, QALY's ( Quality-Adjusted Life-Year) and its alternatives- Different approaches of valuing health, multi-attribute utility instruments and their development.</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Haq, M., Reflections on Human Development, Oxford University Press. New Delhi.</li> <li>2. Dreze Jean and Amartya Sen, Indian Economic Development and Social Opportunity. Oxford University Press. New Delhi.</li> <li>3. Mukherjee, A., Implications for Education, Economic &amp; Political Weekly, Volume XLII No. 14 April 2007, PP 1273-1276.</li> <li>4. Folland, S., A.C. Goodman and M. Stano, Economics of Health and Health Care, fifth edition, Pearson Prentice Hall, 2006.</li> </ol>	<p>Topics in italics and grey in colour are shifted to Paper III (Semester IV).</p>

<p>8. T Bir's article Published in Health and Population - Perspectives and Issues 23 (2) : 71-84, 2000.</p> <p>9. Dhingara I.C. The Indian Economy: Environment and Policy, S. Chand and Company New Delhi.</p> <p>10. Joshi M.V., Theories and Approaches of Environmental Economics, Atlantic Publishers &amp; Distributors, New Delhi.</p> <p>11. Bhattacharya Rabindra N. (ed.) Environmental Economics: An Indian Perspective, Oxford University Press.</p>	<p>5. Culyer, A.J. and J.P. Newhouse (eds.), Handbook of Health Economics, Volumes IA &amp; B, North- Holland, 2000.</p> <p>6. Zweifel, P., Health Economics, Oxford University Press, 1997.</p> <p>7. Jimenz E., Pricing Policy in the Social Sectors, the Johns Hopkins University Press, New Yorks, 1987.</p> <p>8. Panchamukhi P.E. Economics of Health: A Trends Report, in ICSSR, A Survey of Research in Economics, Vol. VI, Infrastructure, Allied Publishers, Delhi.</p>	
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**Project Work (Semester IV):**

For the purpose of promoting critical thinking and applied orientation among students, a project work is proposed in lieu of a paper in IV Semester of the degree course. The student shall be assigned a mentor under whose supervision she is supposed to write a report which can either be a critical survey of literature or an original empirical work (where she will formulate an economic question and analyze it using an appropriate framework with evidentiary support). The mentor shall be assigned in the third semester only so that the student can decide upon the topic and make a presentation of the synopsis of proposed work at the beginning of fourth semester. The evaluation of report shall be done by an external examiner in collaboration with the internal supervisor as per norms of the University.

Existing	Proposed	Remarks
<p><b>Paper V: Women Studies</b></p> <p><b>Section:-1</b>  Women studies as a discipline  <i>Status of Women in terms of Cultural milieu: family structure, Caste, Class and Community</i>  <i>Women in India: Demographic Profile, Social Profile (Education, Health, Violence Related to Women)</i>  <i>Economic status (Female work participation, Property Rights)</i>  <i>Political profile of Indian Women</i></p> <p><b>Section :-2</b></p> <p>Strategies for women’s development in India (from welfare to empowerment)  Role of NGOS in women’s development in India  Development Index (Human Development Index, Gender Development Index and Gender Empowerment Measure- GEM)  <i>Emerging Concepts- Gender, ,Women Empowerment, Gender sensitization, Gender Bias &amp; Gender Discrimination</i>  <del>Women in Media</del>  <del>Factors affecting decision making by women</del></p>	<p><b>Paper V: Women Studies</b></p> <p><b>Objective</b>-This paper focuses, "Women Studies" as a discipline, where students would be able to know status of women in society, their strategies of development, issues concerning women, special laws and institutional mechanism for protection of women at National and International level and the role of NGOs for women’s development in Indian context.</p> <p><b>Section- A</b>  Women’s studies as a discipline</p> <p><i>Emerging Concepts- Gender, ,Women Empowerment, Gender sensitization, Gender Bias &amp; Gender Discrimination</i>  First, Second and Third Waves of Feminism  Feminist Thought and Theories: Liberal, Marxist and Radical feminism  Developmental approaches:  Women in Development (WID)  Women and Development (WAD)  Gender and Development (GAD)</p> <p><b>Section- B</b>  <b>Women in India:</b>  <i>Status of Women in terms of Socio-cultural milieu: family structure, Caste, Class and Community</i>  <i>Demographic Profile, Social Profile (Education, Health, Violence Related to Women)</i>  <i>Economic Profile (women and work)</i>  <i>Political profile of Indian Women</i>  Development Index: Human Development Index (HDI), Gender Development Index (GDI) and Gender Empowerment Measure (GEM)  Strategies for women’s development in India (from welfare to empowerment)  Role of NGOS in women’s development in India</p>	<p>Shifted from Section 2 to Section 1  This area is added to make the course more comprehensive and improve theoretical understanding.  This topic is added to highlight developmental approaches which have contemporary relevance  Shifted from Section 1 to Section 2  Shifted from Section 1 to Section 2.  Shifted from Section 2 to Section 1.</p>
<p><b>Section 3</b></p> <p>International norms for protection of women  Special laws for protection of women  Immoral Traffic (Prevention) Act, 1956</p>	<p><b>Section- C</b></p> <p>International declarations for protection of women: Universal Declaration of Human Rights (UDHR), Convention on the Elimination of All Forms of Discrimination against Women (CEDAW)</p>	<p>The term ‘legal provisions’ has been used in broader sense to include all Acts.</p>

<p><del>Indecent Representation of women (prohibition) Act, 1986</del>  <del>Commission of Sati (prevention) Act, 1987</del>  <del>Medical Termination of pregnancy Act, 1971</del>  <del>Maternity Benefit Act, 1961</del>  <del>Equal remuneration act, 1976</del>  <del>Dowry Prohibition Act, 1961</del></p> <p>Institutional mechanism for women: National commission for women, State commissions, National Human Right commission (Organizational Setup and Functions)</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Altekar, A.S., The Position of Women in Hindu Civilization, Motilal Banarsidas, Second Edition. Fifth reprint, Delhi, 1983.</li> <li>2. Chanana, Karuna, Socialization, Women and Education: Exploration in Gender Identity, Orient Longman, New Delhi, 1988.</li> <li>3. Chodrow, Nancy, The Reproduction of Mothering. Berkeley: University of California Press, 1978.</li> <li>4. Desai, Neera and M. Krishnraj, Women and Society in India, Delhi : Ajanta Press, 1987.</li> <li>5. Dube, Leela et. al. (eds.), Visibility and Power. Essays on Women in Society and Development. New Delhi, OUP, 1986.</li> <li>6. Dube, Leela, Women and Kinship, Comparative Perspectives on Gender in South and South-East Asia. Tokyo: United Nations University Press, 1997.</li> <li>7. Gandhi, N. and N. Shah, The Issue at Stake: Theory and Practice in the Contemporary Women's Movement in India. New Delhi, 1992. Ghadially, Rehana (ed.) 1988. Women in Indian Society. New Delhi: Sage Publication.</li> <li>9. Maccoby, Eleanor and Carol Jacklin. 1975. The Psychology of Sex Differences. Stanford: Stanford University Press.</li> <li>10. McCormack, C. and M. Strathern (ed.) 1980. Nature, Culture and Gender Cambridge: Cambridge University Press.</li> <li>11. Oakley, Ann. 1972. Sex, Gender and Society. New York: Harper and Row.</li> </ol>	<p>Institutional mechanism for women: National commission for women, State commissions, National Human Rights commission (Organizational Setup and Functions)</p> <p><b>Significance and importance of legal provisions for safeguarding the rights of women</b></p> <p><b>Case Studies:</b>  Grassroot employee: Bhanwari Devi,  Women in sport: Mary Kom,  Social activist: Sunitha Krishnan,  Women in administration: Kiran Bedi</p> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Altekar, A.S., The Position of Women in Hindu Civilization, Motilal Banarsidas, Second Edition. Fifth reprint, Delhi, 1983.</li> <li>2. Chanana, Karuna, Socialization, Women and Education: Exploration in Gender Identity, Orient Longman, New Delhi, 1988.</li> <li>3. Chodrow, Nancy, The Reproduction of Mothering. Berkeley : University of California Press, 1978.</li> <li>4. Desai, Neera and M. Krishnraj, Women and Society in India, Delhi : Ajanta Press, 1987.</li> <li>5. Dube, Leela et. al. (eds.), Visibility and Power. Essays on Women in Society and Development. New Delhi, OUP, 1986.</li> <li>6. Dube, Leela, Women and Kinship, Comparative Perspectives on Gender in South and South-East Asia. Tokyo: United Nations University Press, 1997.</li> <li>7. Gandhi, N. and N. Shah, The Issue at Stake: Theory and Practice in the Contemporary Women's Movement in India. New Delhi, 1992.</li> <li>8. Ghadially, Rehana (ed.) 1988. Women in Indian Society. New Delhi : Sage Publication.</li> <li>9. Maccoby, Eleanor and Carol Jacklin. 1975. The Psychology of Sex Differences. Stanford : Stanford University Press.</li> <li>10. McCormack, C. and M. Strathern (ed.) 1980. Nature, Culture and Gender Cambridge : Cambridge University Press.</li> </ol>	<p>This part is introduced to highlight the struggle and success stories of women</p>
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11. Oakley, Ann. 1972. Sex, Gender and Society. New York : Harper and Row.

12. Jain, Devki & Rajput, Pam, (Ed.) 2003. Narratives from the Women's Studies Family: Recreating Knowledge, New Delhi: Sage Publication .

13. Tong, Rosemarie. 1989. Feminist Thought: a Comprehensive Introduction. London: Routledge.

**Web links:**

14. [https://en.wikipedia.org/wiki/Bhanwari\\_Devi](https://en.wikipedia.org/wiki/Bhanwari_Devi)

15. [https://en.wikipedia.org/wiki/Mary\\_Kom](https://en.wikipedia.org/wiki/Mary_Kom)

16. [https://en.wikipedia.org/wiki/Sunitha\\_Krishnan](https://en.wikipedia.org/wiki/Sunitha_Krishnan)

17. [https://en.wikipedia.org/wiki/Kiran\\_Bedi](https://en.wikipedia.org/wiki/Kiran_Bedi)

**Reference Books**

12. Jackson, S. 1998. Contemporary Feminist Theories. Edinburg: Edinburg University Press.

13. Desai, Neera & Thakkar, Usha, 2004. Women in Indian Society, New Delhi: National Book Trust, India.

14. Apte, Prabha, 1996. Bharatiya Samaj Mein Nari, Jaipur: Classic publishing House.

15. Biswal, Tapan, 2009. Manav Adhikar, Gender Evam Paryavaran ,New Delhi: Viva Books Pvt. Ltd.

**M.PHIL EXAMINATION**  
**SCHEME OF EXAMINATION (Proposed)**

**M. Phil. Economics**

**Semester I**

S. No.	Course	Contact hours per week	Cont Assess Marks	Final Assess. Marks	Total Marks
1.	Research Methodology in Social Sciences	4	20	40	60
2.	Teacher, Teaching and Higher Education	4	20	40	60
3.	Disciplinary Course I	4	20	40	60
4.	Sessional and Practical Work (Practice Teaching) <sup>@</sup>	-	20	40	60
<b>Aggregate marks (Semester I) = 240</b>					

**Semester II**

1.	Disciplinary Course II	4	20	40	60
2.	Reading Elective** (Disciplinary)	2	20	40	60
3.	Term paper*	-	-	-	40
4.	Seminar#	-	-	-	40
5.	Comprehensive Viva Voce	-	-	-	40
<b>Aggregate marks (Semester II) = 240</b>					

### Semester III

1. Reading Elective**	2	20	40	60
2. Dissertation	-	-	-	180

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**Aggregate marks (Semester III) = 240**

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#### **Dissertation (To be spread over all the three semesters):-**

##### **Phase-I (Last-week of November – Semester I):**

Selection of topic-to be defended before the faculty members of the concerned department **- 5 marks**

##### **Phase-II (Third week of April – Semester II):**

Presentation of synopsis before faculty members of the concerned department **-10 marks**

##### **Phase-III (Before Diwali Break- Semester III):**

Mid-term presentation before faculty members of the concern department. **-15 marks**

##### **Phase-IV (By 30<sup>th</sup> November – Semester III)**

Submission

##### **Phase –V (First week of December – Semester III)**

Dissertation to be sent for external evaluation **- 90 marks**

Internal Vi-va voce **- 60 marks**

**Total =180 marks**

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**Grand Total – (240+240+240) = 720**

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#### **Division of Marks for Continuous Assessment:**

Courses	Types of test	Marks	Total
For each of the above courses	Seminar	10	

(Except Dissertation and	Class test	05
Practice Teaching)	Assignment	05

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**Total 20**

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@ 5 teaching hours during the semester.

\*Student will have to write a term paper under the guidance of a faculty member on the allotted topic related to the concerned discipline. This term paper will be evaluated by the Board of Examiners at the end of Semester.

\*\*Student will have to select a course out of a prescribed list of courses for self study under the guidance of a faculty member. Its evaluation pattern will be similar to other theory courses.

#Student will have to present a seminar on current and relevant issue related to the concerned discipline and submit a hard copy of the same. The seminar will be evaluated by the Board of Examiners and the student will be required to make a presentation.

❖ **Students shall be required to attempt five questions out of nine questions given in the question paper.**

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**M. Phil. (Social Sciences)**  
**Semester I (December 2016)**  
**Course 1: Research Methodology in Social Sciences**

<b>Existing</b>	<b>Proposed</b>	<b>Remarks</b>
<p>1. Research in Social Sciences: Nature, Purpose, Problems &amp; Importance; Pure and Applied Research.</p> <p>2. Scientific Method in Social Sciences: Characteristics &amp; Importance; Problem of Theory Building. Fact and Theory in Social Science Research. Formulation of Research Problem</p> <p>3. Research Design: Meaning, Importance, Characteristics &amp; Components, Hypothesis: Characteristics, Purpose.</p> <p>4. Data collection: Observation, Interview, Questionnaire and Schedule.</p> <p>5. Sampling: Meaning, Types.</p> <p>6. Data Analysis</p> <p>7. Measures of Central Tendency (Averages): Concept and Use: Calculation of Mean, Mode and Median, Criteria for Choice of Average.</p> <p>Measures of Dispersion: Range and standard Deviation, Simple Correlation: Correlation and Causation: Karl Pearson's Co-efficient of Correlation Simple Regression: Use and</p>	<p><b>Objective</b></p> <p>The course on research methodology in Social Sciences is designed to impart knowledge for scientific research. To orient the students about the techniques for precise, rational, scientific research and qualitative and quantitative approaches in research, the course will enhance the conceptual understanding of students regarding various methods and techniques and make them able to improve their research knowledge and skills in the field of social sciences.</p> <p>1. Research in social sciences: nature, purpose, problems &amp; importance; Pure and applied research.</p> <p>2. Scientific method in social sciences: characteristics &amp; importance; Problem of theory building; Fact and theory in social science research; Formulation of research problem.</p> <p>3. Research design: meaning, importance, characteristics &amp; components; Hypothesis: characteristics, purpose.</p> <p>4. Data collection: observation, interview, questionnaire and schedule.</p> <p>5. Sampling: meaning, types.</p> <p>6. Data analysis</p> <p>7. Measures of central tendency (Averages): concept and use: calculation of mean, mode and median; Criteria for choice of</p>	No Change

<p>Estimation of Regression Lines.</p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Ackoff Russel: Design of Social Research.</li> <li>2. Dailey Kenneth: Methods of Social Research.</li> <li>3. Mueller John and Schuessler: Statistical Reasoning in Sociology.</li> <li>4. Festinger and Katz: Research Methods in Behavioural Sciences.</li> <li>5. Martin Balmer: Sociological Research Methods.</li> <li>6. Henry Manheim: Sociological Research Philosophy and Methods.</li> <li>7. Blalock and Blalock: Methodology in Social Research.</li> <li>8. Goode and Hatt: Methods in Social Research</li> </ol>	<p>average.</p> <p>Measures of dispersion: range and standard deviation; Simple correlation: correlation and causation: Karl Pearson's co-efficient of correlation; Simple regression: use and estimation of regression lines.</p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Ackoff Russel: Design of Social Research.</li> <li>2. Dailey Kenneth: Methods of Social Research.</li> <li>3. Mueller John and Schuessler: Statistical Reasoning in Sociology.</li> <li>4. Festinger and Katz: Research Methods in Behavioural Sciences.</li> <li>5. Martin Balmer: Sociological Research Methods.</li> <li>6. Henry Manheim: Sociological Research Philosophy and Methods.</li> <li>7. Blalock and Blalock: Methodology in Social Research.</li> <li>8. Goode and Hatt: Methods in Social Research</li> </ol>	
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## Course 2: Teacher, Teaching and Higher Education

Existing	Proposed	Remarks
<p><b>Objectives : The course is aimed at enabling students</b></p> <ol style="list-style-type: none"> <li>1 To gain an overview of his/her education so her field of action.</li> <li>2. To understand and assimilate the nature and significance of teacher roles in higher education.</li> <li>3. To understand the technical aspects of the complex process of teaching learning and ways of effectively dealing with them.</li> <li>4. To develop understanding of the various dimensions processes and procedures of evaluation of pupil performance.</li> <li>5. To become sensitive to the various issues involved in the different dimensions of higher education.</li> </ol> <p><b>Course outline : Overview of Higher Education in India</b></p> <ol style="list-style-type: none"> <li>1. <b>Overview of Higher Education in India</b> <ul style="list-style-type: none"> <li>- Purpose and Function of Higher Education</li> <li>- Existing organisational structure of Higher Education (kind of institutions and their relevance)</li> </ul> </li> </ol>	<p><b>Objectives:</b> The objective of this course is to acquaint the students with the scenario of higher education in India and expected teacher's role in higher education. It enables students to identify and use different teaching competencies, methods and media required for effective teaching. It enhances the ability to instruct and evaluate, as a teacher in higher education. It also attempts to develop sensitivity towards major issues related to different dimensions of higher education.</p> <p><b>Course Outline:</b></p> <ol style="list-style-type: none"> <li>1 <b>Overview of Higher Education in India:</b> Purpose and Functions of Higher Education. Functions of Regulatory Bodies - UGC, AICTE, NCTE, DEC, NAAC.</li> <li>2. <b>Role of Teacher in Higher Education:</b> Teacher's Role - Curriculum development, Instructional, Institutional, Research related and Social. Professional Development of Teachers - Role of ASC.</li> <li>3. <b>Pre-requisites of Teacher in Higher Education:</b> Teaching Competencies - Introduction, Questioning, Board Work, Explanation, Use of Support Material, Stimulus Variation, Probing and Closure. Methods for teaching - Lecture, Discussion, Project, Workshop and Seminar. Media for effective teaching.</li> <li>4. <b>Designing of Instruction and Evaluation:</b> Instructional Planning. Modes of Evaluation in Higher Education.</li> </ol>	<p>Objectives are reframed in comprehensive manner.</p> <ol style="list-style-type: none"> <li>1. First two topics of existing syllabus are included and others are incorporated as major issues in fifth point of proposed syllabus. To make the proposed syllabus more specific, names of regulatory bodies are mentioned in it.</li> <li>2. Teacher's role is specified in five dimensions to make the proposed syllabus more clear. The role of teacher in curriculum development is taken from the third point of the existing syllabus.</li> <li>3. In proposed syllabus the third point is newly added to make the course more useful and practical based. In this point teaching competencies are incorporated. Methods and Media are taken from fourth point of the existing syllabus.</li> </ol>

<ul style="list-style-type: none"> <li>- Some major issues of Higher Education</li> <li>- Women's Participation in Higher Education as students as Professionals</li> <li>- Examination Orientedness</li> <li>- Quality Control</li> <li>- Government and Private Participation</li> </ul> <p><b>2. Teacher and Teacher Roles.</b></p> <ul style="list-style-type: none"> <li>- Teaching, Research and Dissemination.</li> <li>- Teacher development-available channels and institutions.</li> </ul> <p><b>3. Curriculum in Higher Education.</b></p> <ul style="list-style-type: none"> <li>- Meaning, characteristics.</li> <li>- Process of curriculum development.</li> <li>- Role of teacher in curriculum,</li> <li>- Role of academic decision making bodies in universities.</li> <li>- Major issues.</li> </ul> <p><b>4. Teaching Dimensions</b></p> <ul style="list-style-type: none"> <li>- Meaning and characteristics of Teaching</li> <li>- Approaches and their relevance</li> <li>- Systems approach</li> </ul>	<p><b>5. Major issues in Higher Education:</b></p> <p>Government and Private Participation, Women Participation, Globalization of Higher Education, Quality Issues.</p> <p><b>Books Recommended:</b></p> <ol style="list-style-type: none"> <li>1. Aggarwal, J.C., Principles, Methods &amp; Techniques of Teaching, Vikas Publishing House Pvt. Ltd., New Delhi, 2012.</li> <li>2. Association of Indian Universities, Globalization of Indian Higher Education, New Delhi, 2003.</li> <li>3. Bawa, M.S., Nagpal, B.M., Developing Teaching Competencies, Viva Books, New Delhi, 2011.</li> <li>4. Dhar, B.B., Higher Education System, A.P.H. Publishing Corporation, New Delhi, 2009.</li> <li>5. Dhir, R.N., Higher Education, Abhishek Publications, Chandigarh, 2006.</li> <li>6. Kamalkar, G., Higher Education in Indian-Emerging Challenges, Commonwealth Publishers Pvt. Ltd., New Delhi, 2014.</li> <li>7. Kidwani, A.R., Higher Education- Issues and Challenges, Viva Books, New Delhi, 2011.</li> <li>8. Kidwani, A.R., New Directions in Higher Education, Viva Books, New Delhi, 2014.</li> <li>9. Mangal, S.K., Manga. U., Essentials of Educational Technology, PHI Learning Private Limited, Delhi, 2014.</li> <li>10. Manoharan, P.K., Higher Education, A.P.H. Publishing Corporation, New Delhi, 2009.</li> <li>11. Panchmukhi, P.R. Debi,S., Educational Data Bank for Higher Education, Serials Publications, New Delhi, 2008.</li> <li>12. Patnaik, J., Higher Education in Information Age, Authors Press, New Delhi, 2001.</li> <li>13. Sen, R., Women and Higher Education System,</li> </ol>	<p>4. Fourth point of the proposed syllabus includes both instructional planning and evaluation. Instructional Planning is newly added and Evaluation is taken from the fifth point of the existing syllabus.</p> <p>5. Major issues regarding higher education are specified in fifth point of proposed syllabus.</p> <p>References books are recommended in the proposed syllabus.</p>
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<ul style="list-style-type: none"> <li>- Cognitive approach</li> <li>- Methods and their potential</li> <li>- Teacher centered-Lecture</li> <li>- Students Centered-Assignment</li> <li>- Project Method</li> <li>- Group Centered-Discussion</li> <li>- Seminar</li> <li>- How to make classroom instruction meaningful and objectives</li> <li>- Some significant issues</li> </ul> <p><b>5. Evaluation of student performance.</b></p> <ul style="list-style-type: none"> <li>- Different modes of evaluation internal and external formative and summative marking and grading.</li> <li>- Emerging issues in evaluation field context technical demands.</li> </ul>	<p>Crescent Publishing Corporation, New Delhi, 2009.</p> <p>14. Shafi, Z.S., Reforms and Innovations in Higher Education, Association of Indian Universities, New Delhi, 2008.</p> <p>15. Sharma, S.R., Effective Classroom Teaching-Modern Methods, Tools &amp; Techniques, Mangal Deep Publications, Jaipur, 2000.</p> <p>16. Thamarasseri, I., Essentials of Educational Evaluation, Kanishka Publishers, New Delhi, 2012.</p>	
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## Economics

### Disciplinary Course 1: Selected Topics in Advanced Economic Theory

Existing	Proposed	Remarks
<p>1. Theory of Consumer behaviour: Hicks Logical ordering theory of demand. The Duality Approach in Utility Analysis: The Indirect Utility Function, Derivation of Demand Function: Roy's Identity. Lancaster's theory of consumer demand, Individual Choice under risky situations. The Friedman Savage Hypothesis, The Markowitz Hypothesis, New Mann Morgenstern Method.</p> <p>2. Theory of the Firm : Limit pricing theory - Bain's limit pricing theory. The model of Sylos-Labini, The model of Franco-Modigliani, The model of Bhagwati, The model of Pashigian. Baumol's model of sales maximization-Static and Dynamic models (Single-Product case only).</p> <p>3. Macro Economics in the Open Economy: The Price adjustment mechanism under a fixed and flexible exchange rate systems. The income adjustment mechanism and synthesis of automatic adjustments. The Foreign Trade Multiplier., Adjustment policies-IS-LM-FE model with exchange rates changes. The Monetary and Portfolio balance approaches.</p>	<p><b>Objective</b></p> <p>Objective of this paper is to equip the students with the in-depth knowledge of advanced micro and macroeconomic theories study of which would enable the students to analyses the behavior of various economic agents in a dynamic world.</p> <p>1. Theory of consumer behaviour: Hicks logical ordering theory of demand; The duality approach in utility analysis: The Indirect Utility Function, Derivation of Demand Function: Roy's Identity; Lancaster's theory of consumer demand, Individual Choice under risky situations; The Friedman Savage Hypothesis, The Markowitz Hypothesis, New Mann Morgenstern Method.</p> <p>2. Theory of the firm: Limit pricing theory - Bain's limit pricing theory; The model of Sylos-Labini, The model of Franco-Modigliani, The model of Bhagwati, The model of Pashigian; Baumol's model of sales maximization-Static and Dynamic models (Single-Product case only).</p> <p>3. Macro Economics in the Open Economy: The Price</p>	<p>No Change</p>

<p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Baumol William J.: Economic Theory and Operations Analysis, Prentice Hall of India Private Limited.</li> <li>2. Green, H. A. John: Consumer theory, The McMillan Press Ltd., London &amp; Basingstocko.</li> <li>3. Hicks, J. R.: Revision of Demand Theory, Oxford University Press, Amen House, London.</li> <li>4. Barthwal, R. R.: Micro Economic Analysis, Willey Eastern Ltd.</li> <li>5. Da Costa G. C.: Production, Prices and Distribution-Tata McGraw Hill, New Delhi.</li> <li>6. Koutsoyiannis, A.: Modern Micro Economics, Mcmillian, London.</li> <li>7. Dobb, M.: Theories of Value and Distribution since Adam Smith, Cambridge University Press, Cambridge.</li> <li>8. Salvatore, Dominick, (1990) International Economics, Mcmillian, New York.</li> <li>9. Francisco L-Rivera-Batiz and: International Finance and Open Luis Rivera-Bati Economy Macro Economics.</li> <li>10. Dornbusch, R. &amp; Fisher S. : Macro Economics, Mcgraw Hill Kogakusha, Tokyo.</li> <li>11. Hall R. Eu. &amp; Taylor J. B.: Macro Economics. W. W. Norton, New York.</li> </ol>	<p>adjustment mechanism under fixed and flexible exchange rate systems; The income adjustment mechanism and synthesis of automatic adjustments; The Foreign Trade Multiplier; Adjustment policies-IS-LM-FE model with exchange rates changes; The Monetary and Portfolio balance approaches.</p> <p><b>References :</b></p> <ol style="list-style-type: none"> <li>1. Baumol William J., Economic Theory and Operations Analysis, Prentice Hall of India Private Limited.</li> <li>2. Green, H. A. John, Consumer Theory, The McMillan Press Ltd., London &amp; Basingstocko.</li> <li>3. Hicks, J. R., Revision of Demand Theory, Oxford University Press, Amen House, London.</li> <li>4. Barthwal, R. R., Micro Economic Analysis, Willey Eastern Ltd.</li> <li>5. Da Costa G. C., Production, Prices and Distribution-Tata McGraw Hill, New Delhi.</li> <li>6. Koutsoyiannis, A., Modern Micro Economics, Mcmillian, London.</li> <li>7. Dobb, M., Theories of Value and Distribution Since, Adam Smith, Cambridge University Press, Cambridge.</li> <li>8. Salvatore, Dominick, International Economics, Mcmillian, New York, 1990.</li> <li>9. FranciscoL-Rivera-Batiz, International Finance and Open Luis Rivera-Bati Economy Macro Economics.</li> <li>10. Dornbusch, R. &amp; Fisher S., Macro Economics, Mcgraw Hill Kogakusha, Tokyo.</li> <li>11. Hall R. Eu. &amp; Taylor J. B., Macro Economics. W. W. Norton, New York.</li> </ol>	
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## Semester II

### Disciplinary Course 2: Indian Economic Problems and Issues (April/May 2017)

Existing	Proposed	Remarks
<p>A detailed study of the following problems and issues with emphasis on current economic situation: Problems of poverty in Indian Economy, Inequality, Unemployment, inflation and Balance of Payments Structural reforms: their desirability, limitations and functioning in Indian Economy. Recent Banking and financial reforms, Recent Trade Policies and their impact on Indian Economy, Flow of Foreign Investment and growth of Indian Economy in the long run. Convertibility of Rupee, Globalization and Consumerism, Globalization and Swadeshe v/s Globalization a Critique.</p> <p><b>References:-</b></p> <ol style="list-style-type: none"> <li>1. Misra , S.K. and V.K. Puri, Indian Economy, Himalaya Publishing House, 29thEdition.</li> <li>2. Kapila U. Indian Economy since independence, Academic Foundation, New Delhi</li> <li>3. Datt, R. and K.P.M. Sundharam, Indian Economy, S. Chand and Company Ltd., New Delhi</li> <li>4. Dhingra, I.C., the Indian Economy, Environment and Policy, Sultan Chand and Sons, Educational Publishers, New Delhi</li> </ol>	<p><b>Objective</b></p> <p>Indian economy is a unique amalgam of alternative competing and often conflicting theories and a proper understanding of its working is imperative if the student is to comprehend the ramifications that underlie most of the observed phenomena in the Indian economic set-up. By the end of the course, students are expected to have an in-depth understanding of Indian economy. The course intends to enable them to evaluate the pre and post reform progress of India.</p> <ol style="list-style-type: none"> <li>1. A detailed study of the following problems and issues with emphasis on current economic situation: Problems of poverty in Indian economy, Inequality, Unemployment, Inflation and Balance of Payments; <b>Black money: Definition, estimates and remedial measures</b></li> <li>2. Structural reforms: their desirability, limitations and functioning in Indian economy; Recent banking and financial reforms, Recent trade policies and their impact on Indian economy.</li> <li>3. Flow of foreign investment and growth of Indian economy in the long run. Convertibility of rupee, Globalization and consumerism, Globalization and Swadeshi v/s Globalization a Critique,</li> </ol>	<p>-----</p>



**References:-**

1. Misra, S.K. and V.K. Puri, Indian Economy, Himalaya Publishing House, 29<sup>th</sup> Edition.
2. Kapila U., Indian Economy since independence, Academic Foundation, New Delhi
3. Datt, R. and K.P.M. Sundharam, Indian Economy, S. Chand and Company Ltd., New Delhi
4. Dhingra, I.C., The Indian Economy, Environment and Policy, Sultan Chand and Sons, Educational Publishers, New Delhi
5. Agarwal, A.N., Indian Economy, Wishwa Prakashan, New Delhi, 37<sup>th</sup> Edition
6. Government of India, Economic Survey (Latest)

### Reading Elective 1: Selected Topics in Indian Agriculture and Rural Development

Existing	Proposed	Remarks
	<p><b>Objective</b></p> <p>The objective of the course is to provide an understanding of selected issues relating to rural economy and agriculture in India in the context of their development and barriers to transformation. It is intended that students would be able to appreciate the role of market, technology and institutions in explaining the growth and structure of rural and agriculture sector.</p> <ol style="list-style-type: none"> <li>1. Rural economy of India: size and structure; Measures of level of rural development; Rural poverty in India: structure and determinants; A critical review of policies for rural development in post-independence period.</li> <li>2. Indian agriculture: pace and pattern of agricultural growth; Agricultural growth and rural poverty; Agriculture and globalization: Uncertainty due to Trade Liberalizations; WTO issues: advantages and disadvantages with respect to Indian agriculture; Agrarian distress and farmers' suicides.</li> <li>3. Food security: access to food-caloric consumption; Public distribution system and other food based programs; Self sufficiency in food production and availability; Agricultural marketing and pricing: problems and remedies; Marketing Model Act 2007; Pricing concepts; price support programs in India; Pricing policy and buffer stock policies; Contract farming; Advantages and Experiences E-marketing.</li> </ol> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Acharya, S.S. and Agarwal, N.L., Agricultural Marketing in India, Oxford and IBH Publishing Co. Pvt. Ltd. (Ch. 5, 7).</li> <li>2. Balakrishnan, Pulapre, Agriculture and Economic Reforms: Growth and Welfare, Economic and Political Weekly, 35 (12): 999-1004, 2000.</li> <li>3. Chand, Ramesh, "India's Agro Export Performance and Competitiveness in Changed International Scenerio" in Essays in Honour of Prof. A.M. Khusro edited by CH Hanumantha Rao, B B Bhattacharya, M.S. Siddharthan.</li> <li>4. Hanumantha Rao, C. H., "Agricultural Policy and Performance" in "The Indian Economy: Problems and Prospects edited by Bimal Jalan, Panguin Books.</li> <li>5. Hanumantha Rao, C. H., "Agricultural Policy and Performance in "The Indian Economy: Problems</li> </ol>	-----

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**Reading Elective 2: Urbanisation and Public Policy**

Existing	Proposed	Remarks
	<p><b>Objective</b></p> <p>The course aims at giving a thorough grounding to the students regarding the process of urbanisation and government policies. Urban areas have emerged as engine of growth in the national and global scenario as well. To sustain urban development through flexible and innovative policy measures is one of the biggest challenges of the twenty first century. Urbanisation policy to lend competitive edge to urban areas while safeguarding the quality of environment and life needs critical attention. It will cover a wide range of theoretical approaches and policy options such as the existence and growth of cities, urban transportation, pollution, poverty, crime, and housing.</p> <ol style="list-style-type: none"> <li>1. Concepts and definitions of urban; Evolution of urban settlements - a historical perspective; Trends and patterns of urbanisation; structure of urban economy; rural urban relation in India; Urban labour market - rural-urban migration - urban informal sector - slums and poverty; Urban infrastructure and services- specific sectors: housing, water supply and drainage, waste management and sanitation; Urban land use and land market.</li> <li>2. Urban planning framework: Institutions; Urban transport: Intra-city and inter-city problems; Issues relating to port, Urban environment: Problems of pollutions and its management; Cumulative causation theory for urban and regional growth; The urban centre within the region: urban hierarchy, urban size distribution and optimum city size debate; Locational aspects of various urban functions: Weberian location theory.</li> <li>3. Market effects of housing polices- causes of homelessness; Urban concentration: policies for dispersal and decentralization; Role of the government of India, States and Urban local bodies; Recent policies for educational and health achievement in urban localities; Economics of crime (effectiveness of punishment etc). Infrastructure financing; Real-estate regulation and development; Determinants of urban expenditure (sports, culture).</li> </ol> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Ahluwalia, Isher Judge, and Kanbur, Ravi, Urbanisation in India: Challenges, Opportunities and</li> </ol>	

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Semester III (December 2017)

**Disciplinary Elective 1: Modern Economic Thought**

Existing	Proposed	Remarks
	<p><b>Objective</b></p> <p>This course will introduce the students to economic thought by tracing its history. It will help students to develop a chronological understanding of the development of economic thought. The study of economic ideas of the past is not only challenging but also enlightening. The paper attempts to make the students of economics acquainted with the evolution of economic ideas as a response to immediate economic problems and policy issues, refining earlier analysis by correcting mistakes and filling in the gaps in the analysis.</p> <p>1. Pre-classical economic thought: Mercantilism, Physiocracy; Classical economic thought: Adam Smith- Theory of value and Theory of division of labour, Ricardo- Theory of value and Theory of distribution, Malthus- Theory of population, John Stuart Mill - Principles of political economy.</p> <p>2. Karl Marx: Historical materialism, Theory of value, Theory of capital accumulation, Analysis of distribution, Theory of crisis; Essential features of Marginalism, Jevons theory of value, Bohm Bawerk: Theory of capital.</p> <p>3. Features of Neo-Classical economics; A. Marshall and his contribution, Walras' Theory of general equilibrium; Economics of welfare: A.C. Pigou, V. Pareto; J. M. Keynes and his policies; Post-Keynesian approaches; Economic thought in modern India: Naoroji, Mahatma Gandhi, B. R. Ambedkar and Amartya Sen.</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>

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**Disciplinary Elective 2: Gender and Development**

Existing	Proposed	Remarks
	<p><b>Objective</b></p> <p>Gender biases in societal practices and development policies have resulted in persistent gender inequalities. It is increasingly being realized that mitigating such inequalities and enhancing women’s capabilities and entitlements are crucial to the overall development of the country. This course would provide students an understanding of the nature of economic role of women and their contribution to the national economy. The course will also develop understanding to use gender perspectives in analysing issues and problems of development.</p> <ol style="list-style-type: none"> <li>1. Gender and development as a separate area of study, issues in gender and development; Gender Development Index (GDI), Gender action plan and Sustainable Development Goals (SDGs): sex ratio, health, extreme poverty, primary education.</li> <li>2. Concept and analysis of women’s work: Valuation of productive and unproductive work, paid and unpaid work, economically and socially productive work; Female contribution to national income; Limitation of national income statistics. Women and labor market in India; Supply and demand for female labor in developed and developing countries with special reference to India; Female work participation in organized and unorganized sector; Wage differentials and determinants of wage differentials: gender, education, skill, productivity, efficiency, opportunity.</li> <li>3. Mainstreaming gender into developmental policies- Gender and development planning; Gender sensitive governance; Gender budgeting; Paradigm shifts from women’s well being to women’s empowerment; Microfinance and gender, Democratic decentralization and empowerment of women in India.</li> </ol> <p><b>References:</b></p> <ol style="list-style-type: none"> <li>1. Agarwal, B., Humphries, J. &amp; Robeyns, I. (eds.), Capabilities, Freedom and Equality – Amartya Sen’s Work from a Gender Perspective, OUP, New Delhi, India, 2010.</li> </ol>	

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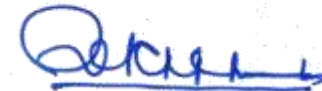
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# BANASTHALI VIDYAPITH

## DEPARTMENT OF ECONOMICS

Summary of Minutes of the Board of Studies Meeting held on 28.12.2018

1. The Board confirmed the minutes of its last meeting held on April 22, 2016.
2. The Board reviewed the existing panel of examiners and suggested to update the address and phone numbers of the existing examiners for each examination up to and inclusive of all Master's degree examination keeping in view the by-law 15.03.02 of the Vidyapith. Updated panel is sent to the examination and secrecy section.
3. I. The Board considered the courses of study and scheme of examination for **B.A.** and **resolved to recommend** few changes and updations in three courses, namely Indian Economy I (V Semester), Indian Economy II (VI Semester) and International Economics (V Semester) existing courses of study is slightly updated and be continued.

**Indian Economy I and Indian Economy II:** The addition in the course content includes social infrastructure in India and growth and characteristics of service sector in India

**International Economics** In the discussion of International Institutions in Unit 5, two institutions, namely, WTO and UNCTAD have been added to acquaint the students with the institutions pertaining to International trade and related problems of development.

In B.A. V Semester and VI semester, The Board suggested introduction of Discipline Electives for wider choice. The proposed list of Discipline Elective is: i) International Economics ii) Economics of Social Sector iii) Development Economics and Environment iv) History of Economic Thought

- II. The Board considered the courses of study and scheme of examination for **M.A.(Economics)** and **resolved to recommend**
  - The introduction of reading electives in Semester III and IV to promote independent and self learning by the students. List of Reading Electives offered is i) Economics of Infrastructure ii) Startup Economics iii) Financial Institutions and Markets iv) Global Economy v) Making Governments Work in Hard Places(online) vi) Energy within Environmental Constraints (online)

- The following addition of courses in the List of electives offered in semester III and IV is i) Agricultural Economics ii) Industrial Economics iii) Population Studies iv) Regional Economics v) Economics of Education vi) Economics of Health vii) Labour Economics viii) Rural Economics ix) Urban Economics
- Revision of the course content of Financial Economics (III sem) to focus on some additional theoretical concepts of Financial Economics.
- Introduction of open elective in Semester IV to widen choice available to the students.

The Board resolved to recommend addition of E resources in all the courses of B.A. and M.A.(Economics) programme.

- III. The Board considered the courses of study and scheme of examination for **M.Phil** and suggested the reintroduction of two semester scheme as per revised UGC norms.
4. The Board considered the courses of study and scheme of examination for courses running in the other programmes of the Vidyapith and **resolved to recommend** updating suggested books and addition of E resources in all the courses.
5. The Board considered the reports of the examiners in the various courses of B.A. Economics and M.A. Economics programme .It was noted that examiners have generally reported ‘to the point’ answers and have found expression/method of presentation satisfactory/good.
6. The Board examined the question papers of semester examinations in the various courses of B.A. Economics and M.A. Economics programme, resolved to conclude that there is predominance of theoretical and analytical type of questions. The questions were found adequate to engage the students for allotted period of time. While there is no deterioration in the quality, there is definitely a scope for improvement. A shift towards more analytical, numerical and application oriented questions seems desirable.

**B.A. Economics - Programme Educational Objectives**

Department of Economics at Banasthali Vidyapith aims to educate students to successfully take part in the exciting professions in the field of Social. Programme also intends to lay the foundation for pursuing higher studies. The professions in social science require multiple skills and capabilities related to observation of social phenomena as well as their analysis and interpretation in a larger theoretical framework. The observation part requires social scientist to collect data and the interpretation part requires that data is analysed and conclusions drawn within a theoretical framework.

These demands make it essential for our curriculum to focus on both the real and the theoretical world. In our curriculum design, Emphasis is therefore given on Economic Theory (Understanding), Indian Economy (Information) and Quantitative Techniques (Tools). To keep up with the dynamic real world and the ever expanding theoretical world it is ensured that the Curriculum is reviewed regularly.

The broad Course objectives are to impart knowledge and develop understanding of the economy at national and global level, and at the same time provide necessary analytical tools and intellectual training to make meaningful observations and interpretations.

The main objectives of the B.A. programme are,

- To understand the basic concepts of economics and to develop economic way of thinking.
- To identify alternative approaches to economic problems.
- To introduce economic variables and their dynamism.
- To develop economic approach to solve the socio-economic problems.
- To develop critical thinking among students to analyze historical and contemporary socio – economic events.
- To develop simulation skills to analyze real time problems for developing scientific temper amongst the students.
- To analyze behavior of economic agents in global perspective.

**B.A. Economics - Programme Outcomes**

**PO1: Knowledge of Economics:** Students will be able to develop understanding of economic concepts pertaining to the behavior of economic agents from national and international perspectives.

**PO2: Planning Abilities:** Demonstrate effective planning abilities including time management, resource management and develop organizational skills. Implement the effective plans and organize work in a time bound manner.

**PO3: Problem Analysis:** Utilize economic, financial and statistical techniques to achieve analytical and critical thinking process for solving problems and making logical reasoning behind decisions in day to day life.

**PO4: Modern Tool Usage:** Able to identify, understand and apply appropriate methods and techniques to solve socio - economic problems.

**PO5: Leadership Skills:** Able to equip the students with different leadership skills such as planning skills, negotiation skills, communication skills and team work skills.

**PO6: Professional identity:** Apply practical knowledge to perform professional roles as Economists, Managers, Government Officials, Teachers, and Researchers to achieve individual and organizational growth and welfare of the Society.

**PO7: Professional Ethics:** Use ethical frameworks; apply ethical principles while making decisions and take responsibility for the outcomes associated with the decisions.

**PO8: Communication:** Able to understand current issues in the framework of economics and direct the effective communication of economic ideas.

**PO9: Economists and Society:** Develop a scientific approach to analyze socio-economic issues and broader objective of becoming an informed citizen.

**PO10: Environment and sustainability:** Understand the linkage between Environment and the Economy. Appreciate the role of economic thinking to assess value and depletion of Natural Resources promoting the concept of sustainable development.

**PO11: Life-Long Learning:** Able to recognize the need for, and have the preparation and able to take prudent financial and other decisions with respect to scarcity of resources. Have the ability of individual assessment and use feedback effectively from others to identify learning gaps and embrace these suggestions at every juncture of life because learning is continuous.

**Note:** Gray in italics indicates shifting of the content: *Economics*

Strikethrough indicates content omitted: ~~Economics~~

Black background with text in white indicates addition of the new content: **Economics**

**Semester: B.A. / B.A. B.Ed I Semester(December, 2018)**

<b>Existing</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
ECO 106	Micro Economics - I	4	0	0	4
ECO 109	Money and Banking	4	0	0	4
<b>Total</b>		8	0	0	8

**Semester: B.A. / B.A. B.Ed I Semester(December, 2019)**

<b>Proposed</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Course Code to be filled by the office</b>	Micro Economics - I	4	0	0	4
	Money and Banking	4	0	0	4
<b>Total</b>		8	0	0	8

**Semester: B.A. / B.A. B.Ed II Semester(April/ May, 2019)**

<b>Existing</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
ECO 107	Micro Economics - II	4	0	0	4
STAT 103	Elementary Statistical Methods	4	0	0	4
<b>Total</b>		8	0	0	8

**Semester: B.A. / B.A. B.Ed II Semester(April/ May, 2020)**

<b>Proposed</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Course Code to be filled by the office</b>	Micro Economics - II	4	0	0	4
	Elementary Statistical Methods	4	0	0	4
<b>Total</b>		8	0	0	8

**Semester: B.A. / B.A. B.Ed III Semester(December, 2019)**

<b>Existing</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
ECO 202	Macro Economics - I	4	0	0	4
STAT 206	Quantitative Techniques	4	0	0	4
<b>Total</b>		<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>

**Semester: B.A. / B.A. B.Ed III Semester(December, 2020)**

<b>Proposed</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Course Code to be filled by the office</b>	Macro Economics - I	4	0	0	4
	Quantitative Techniques	4	0	0	4
<b>Total</b>		<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>

**Semester: B.A. / B.A. B.Ed IV Semester(April/ May, 2020)**

<b>Existing</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
ECO 203	Macro Economics - II	4	0	0	4
ECO 204	Public Finance	4	0	0	4
<b>Total</b>		<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>

**Semester: B.A. / B.A. B.Ed IV Semester(April/ May, 2021)**

<b>Proposed</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Course Code to be filled by the office</b>	Macro Economics - II	4	0	0	4
	Public Finance	4	0	0	4
<b>Total</b>		<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>



Semester: B.A. / B.A. B.Ed V Semester(December, 2020)

Existing					
Course Code	Course Name	L	T	P	C
5.1	Indian Economy-I	4	0	0	4
5.2	International Economics	4	0	0	4
<b>Total</b>		8	0	0	8

Semester: B.A. / B.A. B.Ed VI Semester(April/ May, 2021)

Existing					
Course Code	Course Name	L	T	P	C
6.1	Development Economics and Environment	4	0	0	4
6.2	Indian Economy-II	4	0	0	4
<b>Total</b>		8	0	0	8

Semester: B.A. / B.A. B.Ed V Semester(December, 2021)

Proposed					
Course Code	Course Name	L	T	P	C
Course Code to be filled by the office	Indian Economy-I	4	0	0	4
	Discipline Elective - 1	4	0	0	4
<b>Total</b>		8	0	0	8

Semester: B.A. / B.A. B.Ed VI Semester(April/ May, 2022)

Proposed					
Course Code	Course Name	L	T	P	C
Course Code to be filled by the office	Indian Economy-II	4	0	0	4
	Discipline Elective - 2	4	0	0	4
<b>Total</b>		8	0	0	8

**List of Discipline Electives**

<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Course Code to be filled by the office</b>	International Economics				
	Economics of Social Sector				
	Development Economics and Environment				
	History of Economic Thought				

**Note: Student can opt for at most 2 additional Open (Generic) audit/credit Elective from other disciplines opting at most 1 per semester in Semesters III, IV, V or VI with prior permission of respective heads**

## Annexure II

Name of Programme: B.A.  
Course Details:

## B. A. I Semester

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
1	ECO 106 Micro Economics -I	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Describe nature and scope of Economics.</li> <li>Analyze cardinal and ordinal approaches to consumer behaviour.</li> <li>Illustrate uses of indifference curve</li> <li>Discuss various concepts of elasticity and its measurement.</li> <li>Analyze short run and long run law of Production.</li> <li>Discuss various concepts related to cost and explain the behaviour of cost in short run and long run.</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Gauld, J. P. and Edward P. L. (1996). <i>Micro Economic Theory</i>. Richard Irwin, Homewood.</li> <li>Lipsey, R. G. and K. A. Chrystal (1999). <i>Principles of Economics</i> (9th Edition). Oxford: Oxford University Press.</li> <li>Mansfield, E. (1997). <i>Microeconomics</i> (9th Edition). New York: W.W. Norton and Company.</li> <li>Samuelson, P.A. and W.D. Nordhaus (1998). <i>Economics</i>. New Delhi: Tata McGraw Hill.</li> <li>Varian, H.R. (2000). <i>Intermediate Microeconomics: A modern Approach</i> (5th Edition). New Delhi: East West Press.</li> <li>माथुर, पी. एन. : मूल्य सिद्धान्त</li> <li>जैन, के. पी. : व्यष्टिअर्थशास्त्र</li> </ol> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="http://www.aeaweb.org">www.aeaweb.org</a></li> <li><a href="https://www.oswego.edu/economics/resources">https://www.oswego.edu/economics/resources</a></li> </ol>	No Change. Recommended Books updated, E –Resources added.

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
2	ECO 109 Money and Banking	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Understand the role of money in the broader economy.</li> <li>Understand the unique role of banking financial system.</li> <li>Analyse a Bank's balance sheet.</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Chaturvedi, D.D. (2011). <i>Macroeconomics: Analysis and Policy</i>. New Delhi: IBH.</li> <li>Gupta, S. B. (1983). <i>Monetary Economics</i>. Oxford: Oxford University Press.</li> <li>Mithani, D. M. (1989). <i>Money, Banking, International Trade and Public Finance</i>. New Delhi: Himalaya Publishing House.</li> <li>Seth, M. L. (1981). <i>Money, Banking, International Trade and Public Finance</i>. Agra: Lakshmi Narain Agarwal Educational Publishers.</li> <li>सेठीटी. टी. : मुद्रा एवं बैंकिंग</li> <li>मिश्रा एस. के. : मुद्रा एवं बैंकिंग</li> </ol>	No Change. Recommended Books updated, E –Resources added.

	<ul style="list-style-type: none"> <li>Acquire adequate knowledge of theories related to supply of, and demand of money, and its relationship with prices.</li> <li>Analyse the role of a central bank and instruments of monetary policy.</li> </ul>		<p>7. सिन्हा वी. सी. एवं सिन्हा पुष्पा: उन्नत मुद्रा एवं बैंकिंग</p> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="https://rbi.org.in/Scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy">https://rbi.org.in/Scripts/AnnualPublications.aspx?head=Handbook%20of%20Statistics%20on%20Indian%20Economy</a></li> <li><a href="https://www.rbi.org.in/scripts/fs_overview.aspx?fn=2752">https://www.rbi.org.in/scripts/fs_overview.aspx?fn=2752</a></li> <li><a href="https://www.rbi.org.in/scripts/fs_overview.aspx?fn=2752">https://www.rbi.org.in/scripts/fs_overview.aspx?fn=2752</a></li> <li><a href="https://www.rbi.org.in/scripts/fs_overview.aspx?fn=2752">https://www.rbi.org.in/scripts/fs_overview.aspx?fn=2752</a></li> <li><a href="https://rbi.org.in/CommonPerson/english/scripts/banksinindia.aspx">https://rbi.org.in/CommonPerson/english/scripts/banksinindia.aspx</a></li> </ol>	
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### B. A.II Semester

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
3	ECO 107 Micro Economics-II	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Describe various revenue concepts and explain the behaviour of revenue under different market structures</li> <li>Identify structure of a market</li> <li>Analyze short run and long run equilibrium of firms under perfect and imperfect competition.</li> <li>Discuss various concepts related to profit and to analyse the determination of profit</li> <li>Discuss various concepts related to rent and to analyse the determination of rent.</li> <li>Discuss various concepts related to interest and to analyse the determination of interest.</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Gauld, J. P. and Edward P. L. (1996). <i>Micro Economic Theory</i>. Homewood: Richard Irwin.</li> <li>Lipsey, R. G., and K. A. Chrystal (1999). <i>Principles of Economics</i> (9th Edition). Oxford: Oxford University Press.</li> <li>Mansfield, E (1997). <i>Microeconomics</i> (9th Edition). New York: W.W. Norton and Company.</li> <li>Samuelson, P.A. and W.D. Nordhaus (1998). <i>Economics</i>. New Delhi: Tata McGraw Hill.</li> <li>Varian, H.R. (2000). <i>Intermediate Microeconomics: A Modern Approach</i> (5th Edition). New Delhi: East West Press.</li> <li>माथुरपी. एन. : मूल्य सिद्धांत</li> <li>जैन के. पी. : व्यष्टि अर्थशास्त्र</li> </ol> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="http://www.aeaweb.org">www.aeaweb.org</a></li> <li><a href="https://www.oswego.edu/economics/resources">https://www.oswego.edu/economics/resources</a></li> </ol>	No Change. Recommended Books updated, E –Resources added.

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
4	STAT 103 Elementary Statistical Methods	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Describe the meaning and limitations of Statistics.</li> <li>Represent the data through diagrams and graphs.</li> <li>Calculate the measures of central tendency.</li> <li>Calculate the measures of dispersion.</li> <li>Calculate the measures of skewness and kurtosis.</li> <li>Interpret the results of measures of central tendency, dispersion, skewness and kurtosis</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Gupta, S.C. (2018). <i>Fundamentals of Applied Statistics</i>. New Delhi: S. Chand &amp; Sons.</li> <li>Gupta, S.P. (2002). <i>Introduction to Statistical Methods</i>. New Delhi: S. Chand &amp; Sons.</li> <li>Speigal, M.R., (1999). <i>Theory and Problems of Statistics</i>. London: Mcgraw Hill Book Co.</li> <li>के. एन. नागर : सांख्यिकी के मूलतत्व</li> </ol> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="http://www.statsoft.com/Textbook">http://www.statsoft.com/Textbook</a></li> <li><a href="https://www.khanacademy.org/math/ap-statistics/summarizing-quantitative-data-ap/measuring-center-quantitative/v/statistics-intro-mean-median-and-mode">https://www.khanacademy.org/math/ap-statistics/summarizing-quantitative-data-ap/measuring-center-quantitative/v/statistics-intro-mean-median-and-mode</a></li> </ol>	No Change. Recommended Books updated, E –Resources added.

#### B. A.III Semester

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
5	ECO 202 Macro Economics -I	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Describe nature of Micro Economic analysis and Macro Economic</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Lewis, M.K. and P.D. Mizan (2000). <i>Monetary Economics</i>. New Delhi: Oxford University Press.</li> <li>Lipsey, R. G. (1963). <i>An Introduction to positive Economics</i>. London: Weidenfeld &amp; Nicolson.</li> <li>Mithani, D.M. (1990). <i>Macro Economics</i>. New Delhi: Himalaya Publishing House.</li> </ol>	No Change. Recommended Books updated, E –Resources added.

	<ul style="list-style-type: none"> <li>Analysis Static, Comparative and Dynamic Economic Analysis</li> <li>Identify Central Problems of Economic Systems and their solutions</li> <li>Calculate National Income and its related aggregates and analyse the problems and limitation of National income estimation</li> <li>Describe Circular flow of income and expenditure</li> <li>Describe concepts of employment, unemployment and full employment</li> <li>Analyse the Classical Theory of Income and Employment</li> </ul>		<p>4. Ahuja, H.L. (2006). <i>Advanced Economic Theory</i>, New Delhi: Sultan Chand and Co.</p> <p>5. Mankiw, N. G. (2010). <i>Macroeconomics</i>. New York: Worth Publishers.</p> <p>6. Shapiro, E. (1996). <i>Macroeconomic Analysis</i>. New Delhi: Galgotia Publication.</p> <p>7<sup>०</sup> एस. के. मिश्र : समष्टिअर्थशास्त्र</p> <p>8<sup>०</sup> एस. के. मिश्र : समष्टिअर्थशास्त्र, नीतिऔरविश्लेषण</p> <p><b>E- Learning Material</b></p> <p>9. <a href="http://sites.northwestern.edu/neweresources/2009/03/11/american-economic-journal-macroeconomics/">http://sites.northwestern.edu/neweresources/2009/03/11/american-economic-journal-macroeconomics/</a></p> <p>10. <a href="https://www.rbi.org.in/SCRIPTS/PublicationsView.aspx?id=18466">https://www.rbi.org.in/SCRIPTS/PublicationsView.aspx?id=18466</a><a href="https://www.rbi.org.in/SCRIPTS/PublicationsView.aspx?id=18467">https://www.rbi.org.in/SCRIPTS/PublicationsView.aspx?id=18467</a></p> <p>11. <a href="https://www.economicsonline.co.uk/Competitive_markets/The_economic_problem.html">https://www.economicsonline.co.uk/Competitive_markets/The_economic_problem.html</a></p> <p>12. <a href="https://www.marxists.org/reference/subject/economics/keynes/general-theory/ch02.htm">https://www.marxists.org/reference/subject/economics/keynes/general-theory/ch02.htm</a></p> <p>13. <a href="http://www2.econ.iastate.edu/tesfatsi/sources.html">http://www2.econ.iastate.edu/tesfatsi/sources.html</a></p>	
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S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
6	STAT 206 Quantitative Techniques	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Solve numerical problems related to Correlation and Regression analysis and identify its applications</li> <li>Explain meaning of Index numbers and demonstrate ability to construct Index</li> </ul>		<p><b>Recommended Books:</b></p> <p>1. Black, J., &amp; Bradley, J. F. (1973). <i>Essential Mathematics for Economists</i>. New Jersey, US: John Willey and Sons.</p> <p>2. Bose, D. (2018). <i>An Introduction to Mathematical Economics</i>. New Delhi: Himalaya Publishing House.</p> <p>3. Gupta, S.C. (2018). <i>Fundamentals of Applied Statistics</i>, New Delhi: S. Chand &amp; Sons.</p> <p>4. Gupta, S.P. (2002). <i>Introduction to Statistical Methods</i>. New Delhi: S. Chand &amp; Sons.</p> <p>5. Speigal, M.R.. (1999). <i>Theory and Problems of Statistics</i>. London: Mcgraw Hill Book Co.</p> <p>6. के. एन. नागर : सांख्यिकी के मूलतत्व</p> <p>7. डी. सी. गोखरू : अर्थशास्त्रीय गणित</p>	No Change. Recommended Books updated, E –Resources added.

	<p>numbers using various techniques.</p> <ul style="list-style-type: none"> <li>Solve various types of numerical based on Probability and related theorems.</li> <li>Measure trend using various techniques of Time Series Analysis.</li> <li>Define various concepts and solve numerical related to Quadratic equations, Matrices, Arithmetic and Geometric Progression, and Straight Line.</li> </ul>		<p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="http://www.jamesbrennan.org/algebra/">http://www.jamesbrennan.org/algebra/</a></li> <li><a href="http://www.statsoft.com/Textbook">http://www.statsoft.com/Textbook</a></li> <li><a href="https://www.britannica.com/science/statistics">https://www.britannica.com/science/statistics</a></li> </ol>	
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#### B. A.IV Semester

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
7	ECO 203 Macro Economics-II	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Understand the basic concepts of consumption, savings, investment, inflation.</li> <li>Understand the tenets of Keynesian Economics and apply them through the aggregate demand and supply model.</li> <li>Explain how the equilibrium interest rate is determined in the money market.</li> <li>Define the investment</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Ahuja, H.L. (2006). <i>Advanced Economic Theory</i>, New Delhi: Sultan Chand and Co.</li> <li>Mankiw, N. G. (2010). <i>Macroeconomics</i>. New York: Worth Publishers.</li> <li>Mithani, D.M. (1990). <i>Macro Economics</i>. New Delhi: Himalaya Publishing House.</li> <li>Shapiro, E. (1996). <i>Macroeconomic Analysis</i>. New Delhi: Galgotia Publication.</li> <li>एस. के. मिश्र : समष्टिअर्थशास्त्र</li> <li>एस. के. मिश्र : समष्टिअर्थशास्त्र, नीतिऔरविश्लेषण</li> </ol> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="http://www.oswego.edu/~kane/eco200.html">http://www.oswego.edu/~kane/eco200.html</a></li> <li><a href="http://www.stanford.edu/~sargent/ljungqvist.html">http://www.stanford.edu/~sargent/ljungqvist.html</a></li> <li><a href="http://www.econport.org/content/handbook.html">http://www.econport.org/content/handbook.html</a></li> </ol>	No Change. Recommended Books updated, E –Resources added.

		<p>multiplier, explain its calculation, and relevance.</p> <ul style="list-style-type: none"> <li>• Explain the working of acceleration principle and its weaknesses.</li> <li>• Describe the business cycles and their phases.</li> </ul>			
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S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
8	ECO 204 Public Finance	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>• Conceptualise, explain and give examples of concepts of public goods and externality</li> <li>• Understand and explain the role of government according to economic theory</li> <li>• Identify and distinguish between various sources of Public Revenue and assess the impact and incidence of taxation</li> <li>• Identify various features of Indian Tax system.</li> <li>• Understand and explain concepts related to Public Expenditure, Public Debt and the Budget.</li> </ul> <p>Explain Fiscal Federalism and identify constitutional features of Centre-State Financial Relationships</p>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>1. Misra, B. (1981). <i>Economics of Public Finance</i>. New Delhi: South Asia Books.</li> <li>2. Bhatia, H. L. (1993). <i>Public Finance</i>. New Delhi: Vikas Publishing House.</li> <li>3. Tyagi, B.P. (2016). <i>Public Finance</i>. Meerut: Jai Prakash Nath &amp; Company.</li> <li>4. Musgrave, Richard A. (1959). <i>Theory of Public Finance</i>. Kogakusha, Tokyo: McGraw Hill.</li> </ol> <p>5<sup>प</sup> शर्मा पी.पी. : सार्वजनिक वित्त के सिद्धान्त 6<sup>प</sup> हजेलाल कनारायण: राजस्व के सिद्धान्त सिन्हा वी.सी. एवम् सिन्हा पुष्पा : राजस्व</p> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li>1. <a href="https://www.indiabudget.gov.in/">https://www.indiabudget.gov.in/</a></li> <li>2. <a href="https://www.nipfp.org.in/home-page/">https://www.nipfp.org.in/home-page/</a></li> <li>3. <a href="https://dea.gov.in/indian-public-finance-statistics">https://dea.gov.in/indian-public-finance-statistics</a></li> <li>4. <a href="http://www.publicfinance.in/site/index">http://www.publicfinance.in/site/index</a></li> </ol>	No Change. Recommended Books updated, E –Resources added.



B. A.V Semester

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
9	ECO 303 Indian Economy-I	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Understand the historical background of colonial economy.</li> <li>Appreciate the nature and characteristics of Indian Economy.</li> <li>Understand the evolution of Indian Planning, its strategies, objectives and failures.</li> <li>Analyze the development of physical and social infrastructure in India.</li> <li>Analyze Institutional Reforms in Indian Agriculture</li> <li>Analyze issues of agriculture finance and marketing in India</li> </ul>	<p><b>Unit 1</b> A brief historical background of colonial economy. Basic features of Indian Economy – as an underdeveloped, developing and mixed economy. Infrastructure Development in India - power and irrigation.</p> <p><b>Unit 2</b> Planning in India : strategies, objectives, achievements and failures, latest five year plan details.</p> <p><b>Unit 3</b> Agriculture sector in India: Land Reforms (institutional reforms) in India : abolition of intermediates, tenancy reforms and ceiling of land holdings, Causes of land, sub-division and their measures. The green revolution, productivity in agriculture sector.</p> <p><b>Unit 4</b> Agriculture labour, food security, public distribution system, agriculture price policy in India. Agriculture finance and agriculture marketing.</p> <p><b>Unit 5</b> Industrial sector in India. industrial progress during plans, recent industrial policy (after 1991), public enterprises and issues of privatization.</p> <p><b>Reference Books :</b></p> <ol style="list-style-type: none"> <li>Mishra and Puri: Indian Economy (Hindi and English)</li> <li>I.C. Dhingara: The Indian Economy : Environment and Policy</li> <li>Dewett K.K., Verma J.D. and Sharma M.L. : Indian Economy</li> <li>RudraDutt and Sundaram: Indian Economy (Hindi and English)</li> </ol>	<p><b>Unit 1</b> A brief historical background of colonial economy. Basic features of Indian Economy – as an underdeveloped, developing and mixed economy.</p> <p><b>Unit 2</b> Planning in India: strategies, objectives, Achievements and failures of five year plans, latest five year plan details.</p> <p><b>Unit 3</b> Physical and Social Infrastructure Development in India – power, irrigation, health and education</p> <p><b>Unit 4</b> Agriculture sector in India: Land Reforms (institutional reforms) in India: abolition of intermediates, tenancy reforms and ceiling of land holdings, Causes of land, sub-division and their measures. The green revolution, productivity in agriculture sector.</p> <p><b>Unit 5</b> Agriculture labour, food security, public distribution system, agriculture price policy in India. Agriculture finance and agriculture marketing.</p> <p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>RuddarDutt and K.P.M Sundaram (2000). <i>Indian Economy</i>. New Delhi: S. Chand &amp; Co.</li> <li>Dhingara, I.C (2018). <i>The Indian Economy: Environment and Policy</i>. New Delhi: Sultan Chand &amp; Sons.</li> <li>Misra, S.K. &amp; V.K. Puri (2011). <i>Indian Economy</i>. New Delhi: Himalaya Publication House.</li> <li>Verma J.D. and K. K. Dewett (2008). <i>Elementary Indian Economics</i>. New Delhi: S. Chand &amp; Co Ltd.</li> </ol> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li><a href="http://personal.lse.ac.uk/ghatak/landref.pdf">http://personal.lse.ac.uk/ghatak/landref.pdf</a></li> <li><a href="http://re.indiaenvironmentportal.org.in/fil">http://re.indiaenvironmentportal.org.in/fil</a></li> </ol>	<p>Unit 3 now introduces the social infrastructure in India along with physical infrastructure. Content of Unit 5 from the existing syllabus is shifted to Unit I of Indian Economy II. Recommended Books updated, E –Resources added. Recommendations will be effective from the Academic year 2019-20.</p>

				<a href="#">es/food%20security%20in%20india.pdf</a> <a href="https://www.iisd.org/pdf/2006/climate_de">1. https://www.iisd.org/pdf/2006/climate_de</a> <a href="#">signing_policies_chap5.pdf</a>	
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S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
10	<b>Discipline Elective-1 International Economics</b>	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Discuss and explain trade policy issues such as protectionism and free trade.</li> <li>Understand and apply the principle of comparative advantage-</li> <li>Apply partial equilibrium models in analysing the economic effects of trade policy instruments such as tariffs and quotas.</li> <li>Understand the concept of BoP and its disequilibrium</li> <li>Critically analyse different theories of determination of exchange rate.</li> <li>Appreciate the role of international organizations such as IMF, World Bank, WTO, UNCTAD</li> </ul>	<p><b>Unit 1</b> The Nature of International Trade, Free Trade Vs Protection. Theories of International trade: classical and opportunity cost theories.</p> <p><b>Unit 2</b> Terms of Trade – meaning and types. Tariffs – effects of tariffs under partial equilibrium conditions, Types and Effects of Import Quota.</p> <p><b>Unit 3</b> Balance of Payments - Meaning and Structure, Disequilibrium in Balance of Payments – Meaning, Types and causes, Measures to control disequilibrium in BOP.</p> <p><b>Unit 4</b> Theories of determination of Exchange Rate – Mint Parity Theory, Purchasing Power Parity Theory, Balance of Payment Theory of Exchange Rate. Fixed vs. Flexible Exchange Rate.</p> <p><b>Unit 5</b> Exchange Control – Meaning, Objectives and Methods, International Monetary Fund, and World Bank.</p> <p><b>Reference Books:</b></p> <ol style="list-style-type: none"> <li>Soderston B.O.: International Economics</li> <li>Mithani D.M. : International Economics</li> <li>Cherulinam, F.: International Economics</li> </ol>	<p><b>Unit 1</b> The Nature of International Trade, Free Trade Vs Protection. Theories of International trade: classical and opportunity cost theories.</p> <p><b>Unit 2</b> Terms of Trade – meaning and types. Tariffs – effects of tariffs under partial equilibrium conditions, Types and Effects of Import Quota.</p> <p><b>Unit 3</b> Balance of Payments - Meaning and Structure, Disequilibrium in Balance of Payments – Meaning, Types and causes, Measures to control disequilibrium in BOP.</p> <p><b>Unit 4</b> Theories of determination of Exchange Rate – Mint Parity Theory, Purchasing Power Parity Theory, Balance of Payment Theory of Exchange Rate. Fixed vs. Flexible Exchange Rate.</p> <p><b>Unit 5</b> Exchange Control – Meaning, Objectives and Methods, International Institutions: IMF, World Bank, WTO, UNCTAD.</p> <p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Sodersten, Bo (1991). <i>International Economics</i>. London: The Macmillan Press Ltd.</li> <li>Mithani, D.M. (2003). <i>International Economics</i>. New Delhi: Himalaya Publishing House.</li> <li>Cherulinam, F. (2006). <i>International Economics</i>. New Delhi: McGraw Hill Education (India) Private Limited.</li> <li>Salvatore, D. (1997). <i>International Economics</i>. S Upper Saddle. River, N.J: Prentice Hall.</li> <li>Mannur, H.G. (1995). <i>International Economics</i>. New Delhi: Vikas Publishing House.</li> </ol>	<p>In the discussion of International Institutions in Unit 5, two institutions, namely, WTO and UNCTAD have been added to acquaint the students with the institutions pertaining to International trade and related problems of development. Recommended Books updated, E –Resources added. Recommendations will be effective from the Academic year 2019-20. To increase the range of choices, this course is proposed to be shifted from core paper to Discipline Elective.</p>

				<p>6. डॉ. टी. एल. जैन : अंतर्राष्ट्रीय अर्थशास्त्र (हिन्दी एवं अंग्रेजी) हरियाणासाहित्य अकादमी</p> <p>7. सिन्हा, वी. सी. : अंतर्राष्ट्रीय अर्थशास्त्र</p> <p>8. स्वामी, के. डी. : अंतर्राष्ट्रीय अर्थशास्त्र</p> <p>E- Learning Material</p> <p>1. <a href="http://ipindia.nic.in/ipr/patent/patents.htm">http://ipindia.nic.in/ipr/patent/patents.htm</a></p> <p>2. <a href="http://dgtf.delhi.nic.in">http://dgtf.delhi.nic.in</a></p> <p>3. <a href="http://dipp.nic.in/">http://dipp.nic.in/</a></p> <p>4. <a href="https://www.wto.org/english/thewto_e/thewto_e.htm">https://www.wto.org/english/thewto_e/thewto_e.htm</a></p> <p>5. <a href="https://unctad.org/en/Pages/aboutus.aspx">https://unctad.org/en/Pages/aboutus.aspx</a></p>
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S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
11	<b>Discipline Elective-1 Economics of Social Sector</b>	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Understand basic concepts of Social Sector.</li> <li>Analyze Problems and Opportunities in Social Sector.</li> <li>Cost and returns of Social Sector</li> <li>Understand pattern of expenditure on health and education.</li> <li>Analyze association between Human capital and Economic Growth.</li> </ul>		<p><b>Unit 1</b> Economics of education: definition, meaning, scope and importance; The relationship between education and the economic system. Cost of Education; Social and private returns on education.</p> <p><b>Unit 2</b> Financing of education: public private partnership; Priorities within education in the various five year plans. Spill Over and Inter Generation effects of education. Linkages among education, skills and jobs.</p> <p><b>Unit 3</b> Need and scope for foreign participation in education. Education and Economic Development. Economics of Health: meaning and scope; Western System of Medicine; Indian System of Medicine: AYUSH.</p> <p><b>Unit 4</b> Economic determinants of health care; Human capital approach: measurement of mortality; value of statistical life, years of life lost; morbidity valuation: cost of illness. Public expenditure on health.</p> <p><b>Unit 5</b> Burden of disease: Meaning and Significance, DALY and QALY: Framework and measure of burden; Recent Initiatives in Health Sector. Health and Economic Growth.</p> <p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>Akinyemi, S. (2013). <i>The economics of education</i>. Strategic Book Publishing.</li> <li>Bhattacharya J, Hyde T and TuP(2013), <i>Health Economics</i>, The Palgrave Macmillan.</li> <li>Dreze, J. (2016), <i>Social Policy (EPW)</i>, Oriental Black Swan</li> <li>Dreze, J., &amp; Sen, A. (1999). <i>India: Economic development and social opportunity</i>. OUP Catalogue.</li> <li>Jimenez, E. (1995). <i>Human and physical infrastructure: Public investment and pricing policies in developing countries</i>. Handbook of development economics, 3, 2773-2843.</li> <li>Jones, A. M., Culyer, A. J., &amp; Newhouse, J. P. (2000). Handbook of health economics. Edited</li> </ol>	To increase the range of choices, this course is introduced as a Discipline Elective.

			<p>by: Culyer A, Newhouse J. UK: Elsevier Science, 6, 267-344.</p> <p>7. Folland, S., Goodman, A. C., &amp;Stano, M. (2007). <i>The economics of health and health care</i> (Vol. Upper Saddle River, NJ: Pearson Prentice Hall.</p> <p>8. Mukherjee, A. (2007), <i>Implications for Education</i>, Economic &amp; Political Weekly, Volume XLII No., PP 1273-1276.</p> <p>9. Tilak, J. B., Panchamukhi, P. R., &amp;Biswal, K. STATISTICS ON EDUCATION.</p> <p>10. UI Haq, M. (1995). <i>Reflections on human development</i>. oxford university Press.</p> <p><b>E- Learning Material</b></p> <p>1. <a href="http://archive.mu.ac.in/myweb_test/ma%20edu/M[1].A_EDU_ECONOMICS_OF_EDU.-Final_1_2011-12.pdf">http://archive.mu.ac.in/myweb_test/ma%20edu/M[1].A_EDU_ECONOMICS_OF_EDU.-Final_1_2011-12.pdf</a></p> <p>2. <a href="http://164.100.47.193/intranet/BUDGET.pdf">http://164.100.47.193/intranet/BUDGET.pdf</a></p> <p>3. <a href="http://www.ncee.org/wp-content/uploads/2013/10/India-Education-Report.pdf">http://www.ncee.org/wp-content/uploads/2013/10/India-Education-Report.pdf</a></p> <p>4. <a href="https://www.who.int/gho/mortality_burden_disease/en/">https://www.who.int/gho/mortality_burden_disease/en/</a></p> <p>5. <a href="http://ayush.gov.in/sites/default/files/Introduction_2.pdf">http://ayush.gov.in/sites/default/files/Introduction_2.pdf</a></p>	
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### B. A.VI Semester

S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
12	ECO 304 Indian Economy – II	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>Understand importance and problems of Industrial sector in India.</li> <li>Analyse composition and direction of foreign trade and foreign trade policy in India.</li> <li>Understand the concept of poverty and unemployment.</li> <li>Evaluate the policies related to poverty, unemployment and inflation in India.</li> </ul>	<p><b>Unit 1</b> Importance and problem of small scale industries, policy measures for SSI's. <del>Inter-relationship between agriculture and industry. Industrial sickness.</del></p> <p><b>Unit 2</b> Foreign trade composition and direction. Balance of payment, foreign trade policy (EXIM) after 1991.</p> <p><b>Unit 3</b> Foreign capital: classification, need and problems. Population problem, policy measures and government programmes, problem of poverty: concept causes and poverty eradication programmes.</p> <p><b>Unit 4</b> Nature and causes of unemployment in India, some important schemes to reduce unemployment. Problem of inflation in India and RBI's recent monetary policy.</p> <p><b>Unit 5</b> Economic reforms : liberalisation, privatisation and</p>	<p><b>Unit 1</b> Industrial sector in India: Characteristics, contribution and problems. Industrial policy (pre and post reforms period), public enterprises and issues of privatisation. Policy measures for SSI's.</p> <p><b>Unit 2</b> <b>Service Sector in India: Growth and Characteristics.</b> Foreign trade composition and direction. Globalization and Foreign trade policy (EXIM) after 1991.</p> <p><b>Unit 3</b> Balance of payment problem in India. Foreign capital: classification, need and problems. <b>MNCs and their impact on Indian Economy.</b></p> <p><b>Unit 4</b> Problem of poverty: concept causes and poverty eradication programmes. Nature and causes of unemployment in India, some important schemes to reduce unemployment.</p> <p><b>Unit 5</b> Problem of inflation in India and RBI's recent</p>	<p>The content of Unit 5 is shifted to Unit 2 and 3. This shift makes the order of content more logical as the openness and industrial aspects of the economy is discussed along with the related policies. Unit 2 now introduces the</p>

			<p>globalisation. Multi-national corporation and their impact on Indian Economy.</p> <p><b>Reference Books :</b></p> <ol style="list-style-type: none"> <li>1. Mishra and Puri: Indian Economy (Hindi and English)</li> <li>2. I.C. Dhingra: The Indian Economy : Environment and Policy</li> <li>3. Dewett K.K., Verma J.D. and Sharma M.L. : Indian Economy</li> <li>4. RudraDutt and Sundaram: Indian Economy (Hindi and English)</li> </ol>	<p>monetary policy. Population problem, policy measures and government programmes.</p> <p><b>Books Recommended:</b></p> <ol style="list-style-type: none"> <li>1. Dhingra, I.C. (2000). <i>The Indian Economy: Environment and Policy</i>. New Delhi: Sultan Chand &amp; Sons.</li> <li>2. Misra, S.K. &amp; V.K. Puri (2011). <i>Indian Economy</i>. New Delhi: Himalaya Publication House.</li> <li>3. Verma J.D. and K. K. Dewett (2008). <i>Elementary Indian Economics</i>. New Delhi: S Chand &amp; Co Ltd.</li> <li>4. Ruddar, D. and K.P.M Sundaram. (2000). <i>Indian Economy</i>. New Delhi, India: S.Chand &amp; Co.</li> <li>5. Kapila, U. (2005). <i>Indian Economy: Issues in Development and Planning &amp; Sectoral Aspects</i>. New Delhi: Academic Foundation.</li> </ol> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li>1. <a href="http://www.asercentre.org/Keywords/p/315.html">http://www.asercentre.org/Keywords/p/315.html</a></li> <li>2. <a href="http://www.nuepa.org/new/Annual%20Reports.aspx">http://www.nuepa.org/new/Annual%20Reports.aspx</a></li> <li>3. <a href="http://rchiips.org/nfhs/factsheet_NFHS-4.shtml">http://rchiips.org/nfhs/factsheet_NFHS-4.shtml</a></li> </ol>	<p>service sector in India. Two topics from Unit 1 are deleted due to repetition of content. E –resources added. Recommendations will be effective from the Academic year 2019-20.</p>
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S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
13	Discipline Elective -2 Development Economics and Environment	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>• Acquire a basic understanding of the issues and on-going debates on development economics.</li> <li>• Discuss the important theories in economic</li> </ul>		<p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>1. Goel, R.L. (1975). <i>Economics of Growth and Development</i>. New Delhi: Meenakshi Prakashan.</li> <li>2. Jhingran, M. L. (1974). <i>Economics of Development and Planning</i>. New Delhi: Vikas Publishing House.</li> <li>3. Todaro, M. P. (1969). <i>Economic Development in the Third World</i>. New York: Longman Inc.</li> <li>4. Mishra, S. K., &amp; V. K. Puri (2010). <i>Economics of Development and Planning-Theory and Practice</i>. New Delhi: Himalaya Publication House.</li> <li>5. Thirlwall, A.P. (2005). <i>Growth and Development</i>. New York: Palgrave McMillan.</li> <li>6. सिन्हा वी.सी. एवं दुवे, आर.एन. : आर्थिक विकास एवं नियोजन</li> </ol> <p><b>E- Learning Material</b></p>	<p>No Change. Recommended Books updated, E –Resources added. To increase the range of choices, this course is proposed to be shifted from</p>

	<p>development and their policy implication.</p> <ul style="list-style-type: none"> <li>• Demonstrate a basic knowledge of the role of market and market failure with regard to the allocation of natural resources and environmental amenities.</li> <li>• Analyze and interpret the environmental implications of economic decisions.</li> <li>• Understand the nature and scope of contemporary environmental debates.</li> </ul>	<ol style="list-style-type: none"> <li>1. <a href="https://www.iisd.org/library">https://www.iisd.org/library</a></li> <li>2. <a href="http://projektv.osu.cz/igeography/docs/Euromodel%20ENVIRONMENT%20AND%20DEVELOPMENT.pdf">http://projektv.osu.cz/igeography/docs/Euromodel ENVIRONMENT%20AND%20DEVELOPMENT.pdf</a></li> <li>3. <a href="http://www.globalissues.org/issue/168/environmental-issues">http://www.globalissues.org/issue/168/environmental-issues</a></li> <li>4. <a href="https://www.ukessays.com/essays/economics/barriers-indias-economic-development-3066.php">https://www.ukessays.com/essays/economics/barriers-indias-economic-development-3066.php</a></li> </ol>	<p>core paper to Discipline Elective.</p>
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S. N.	Course List	Learning Outcomes	Existing Syllabus	Suggested Syllabus	Remarks
14	Discipline Elective -2 History of Economic Thought	<p>Upon completion of the course, the student will be able to</p> <ul style="list-style-type: none"> <li>• Comprehend the development of the theory of economics in historical perspective.</li> <li>• Grasp emerging paradigms and aberrations with its reasons.</li> <li>• Analyze similarities and differences among different economic schools of thoughts.</li> </ul>		<p><b>Unit-1</b> The nature and significance of economic thought; Pre-classical economic thought: Mercantilism- emergence, main principles, the importance of foreign trade; Physiocracy- natural order, agriculture and net product.</p> <p><b>Unit-2</b> Classical economics: Adam Smith- Theory of value, theory of production and capital accumulation, D. Ricardo- Theory of value and theory of distribution, T.R. Malthus - Theory of population, John Stuart Mill - Principles of political economy, Ricardo - Malthus Controversy over Glut.</p> <p><b>Unit-3</b> K. Marx- Theory of surplus value, Capital accumulation and crisis, breakdown of capitalist system; Subjectivism and Marginalism: Essential features of marginalism, Jevons' theory of Value, Bohm Bawerk's theory of capital.</p> <p><b>Unit-4</b> A. Marshall and his contribution, Walras' Theory of general equilibrium; Economics of welfare: A.C. Pigou, V. Pareto; J. M. Keynes and his policies.</p> <p><b>Unit-5</b> Indian ancient economic thought: Kautilya's arthshastra; Economic thought in modern India: Dadabhai Naoroji, Mahatma Gandhi, B.R. Ambedkar, Amartya Sen.</p> <p><b>Recommended Books:</b></p> <ol style="list-style-type: none"> <li>1. Backhouse, R.E. (1985). <i>History of Modern Economic Analysis</i>. Oxford: Basil Blackwell.</li> <li>2. Bhatia, H. L. (2009). <i>History of Economic Thought</i>. Delhi: Vikas Publishing House Pvt. Ltd.</li> </ol>	<p>To increase the range of choices, this course is introduced as a Discipline Elective.</p>

			<p>3. Blaug, M. (1997.). <i>Economic Theory in Retrospect</i>. Cambridge: Cambridge University Press.</p> <p>4. Ganguli, B.N. (1977). <i>Indian Economic Thought: A Nineteenth Century Perspective</i>. New Delhi: Tata McGraw-Hill Publishing Co.</p> <p>5. Gide, C. and G Rist. (1956). <i>A History of Economic Doctrines</i>. New Delhi: Academic Foundation.</p> <p>6. Gray, A. and Thompson A. (1980). <i>The Development of Economic Doctrines</i>. London: Longman.</p> <p>7. Hajela, T.N. (2015). <i>History of Economic Thought</i>. New Delhi: Ane Books Pvt. Ltd.</p> <p>8. Haney, L.H. (1913). <i>A History of Economic Thought</i>. New York: Macmillan.</p> <p>9. Hunt, E.K. and Lautzenheiser, M. (2017). <i>History of Economic Thought: A Critical Perspective</i>, New York: Routledge, Taylor &amp; Francis Group, Reprint.</p> <p>10. Medema, S.G and Samuels, W.J. (2003). <i>The History of Economic Thought: A Reader</i>. London: Routledge, Taylor &amp; Francis Group.</p> <p>11. Paul, R.R. (2013). <i>History of Economic Thought</i>. New Delhi: Kalyani Publishers, Reprint.</p> <p>12. Robbins, L. (2000). The LSE Lectures, Ed. In Medema S.G. and W. J. Samuels, <i>A History of Economic Thought</i>. New Jersey: Princeton University Press.</p> <p>13. Roll, E. (1938). <i>A History of Economic Thought</i>. London: Faber&amp; Faber Publisher.</p> <p>14. Roncaglia, A. (2005). <i>The Wealth of Ideas: A History of Economic Thought</i>. Cambridge: Cambridge University Press.</p> <p>15. Schumpeter, J. A. (1954). <i>A History of Economic Analysis</i>. New York: Oxford University Press.</p> <p>16. Smith, A. (1776). <i>An Inquiry into the Nature &amp; Causes of the Wealth of Nations</i>. Modern Library, New York.</p> <p>17. Spiegel, H.W. (1991). <i>The Growth of Economic Thought</i>. USA: Duke University Press.</p> <p><b>E- Learning Material</b></p> <ol style="list-style-type: none"> <li>1. <a href="http://www.policonomics.com/lp-classical-economics-mercantilism">www.policonomics.com/lp-classical-economics-mercantilism</a></li> <li>2. <a href="http://en.citizendium.org/wiki/History_of_pre-classical_economic_thought">en.citizendium.org/wiki/History_of_pre-classical_economic_thought</a></li> <li>3. <a href="https://www.marxists.org/archive/marx/works/.../theories...value">https://www.marxists.org/archive/marx/works/.../theories...value</a></li> <li>4. <a href="http://ublishing.cdlib.org/ucpressebooks/view?docId=ft367nb2h4">ublishing.cdlib.org/ucpressebooks/view?docId=ft367nb2h4</a></li> <li>5. <a href="http://economics.illinoisstate.edu/ntskaggs/eco372/.../alfred_marshall.htm">economics.illinoisstate.edu/ntskaggs/eco372/.../alfred_marshall.htm</a></li> <li>6. <a href="http://www.academia.edu/3836527/Walrasian_General_Equilibrium_Theory">www.academia.edu/3836527/Walrasian_General_Equilibrium_Theory</a></li> </ol>	
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**Note:** Gray indicates shifting of the content: Economics

Strikethrough indicates content omitted: ~~Economics~~

Black background with text in white indicates addition of the new content: Economics

### **Annexure-III**

**Name of Programme: M.A.(Economics)**

#### **BANASTHALI VIDYAPITH M.A. Economics - Programme Educational Objectives**

Department of Economics at Banasthali aims to train students to successfully take part in the exciting profession of Economics as Economists, Managers, Policy Makers, Bureaucrats, Researchers, Journalists and other forms of decision makers. The profession of Economics requires multiple skills and capabilities related to observing the decision making by economic agents at a micro and/or macro level and analytically interpreting these acts in a larger theoretical framework. The observation part requires Economists to collect data and the interpretation part requires that data is analysed and conclusions drawn within a theoretical framework.

These demands make it essential for our curriculum to focus on both the real and the theoretical world. In our curriculum design, Emphasis is therefore given on Economic Theory (Understanding), Indian Economy (Information) and Quantitative Techniques (Tools). To keep up with the dynamic real world and the ever expanding theoretical world it is ensured that the Curriculum is reviewed and if necessary revised every year.

The broad Course objectives are to impart knowledge and develop understanding of the economy at national and global level, and at the same time provide necessary analytical tools and intellectual training to make meaningful observations and interpretations.

The main objectives of the Masters programme in Economics are,

- To provide exemplary education in a stimulating environment where delivery of knowledge of Economics is integrated with nationally and internationally recognized research which enables students to undergo a transformative learning process.
- To prepare competent Economists at various levels for India.

- To expose students to theoretical approaches within the field of Economics and allied subjects and promote respect for all approaches.
- To develop gender-neutral attitudes and practices, respect for all races, nations, religions, culture, language and traditions.
- To promote scientific temper amongst the students in particular and the society in general.
- To nurture a temperament that would enable individuals to set and work towards self-driven performance goals, entrepreneurial ventures and overall leadership.



**BANASTHALI VIDYAPITH**  
**M.A. Economics - Programme Outcomes**

**PO1: Knowledge of Economics:** Students will be able to develop understanding of economic concepts pertaining to the behavior of economic agents from micro and macro perspectives. Along with this they will be able to explain and analyze economic theories and models.

**PO2: Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines.

**PO3: Problem Analysis:** Utilize economic, philosophical and scientific techniques to achieve clear, analytical and critical thinking process for solving problems and making logical decisions in their everyday life.

**PO4: Modern Tool Usage:** Ability to understand, select and apply appropriate methods and procedures of modern computing tools to achieve efficiency in economic problem solving, research and communication.

**PO5: Leadership Skills:** Equip the students with critical thinking and analytical tools to find solutions of economic problems and thereby play a leadership and/or participatory role in the society.

**PO6: Professional identity:** Apply their knowledge and understanding in their professional roles as Economists, Managers, Government Officials, Teachers and/or Researchers to achieve self growth and the larger welfare of the Society inclusive of all stakeholders.

**PO7: Professional Ethics:** Have a deep sense of respect for all disciplines and theoretical approaches so that a well rounded, dogma free intellectual activity is feasible.

**PO8: Economic Communication:** Develop critical thinking on current issues in the framework of economics and command the ability to effectively communicate economic ideas.

**PO9: Economists and Society:** Develop an interdisciplinary approach to analyse economic issues and thereby achieve the broader objective of becoming an informed citizen.

**PO10 Environment and sustainability:** Understand the link between Environment and the Economy. Appreciate the role of Economic thinking in solving environmental problems. Understand and appreciate the concept of sustainable development.

**PO11: Life-Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of economic, societal and technological change. Have the ability of Self assessment and use feedback effectively from others to identify learning gaps and work on these gaps on an ongoing basis.

**Note:** Gray in italics indicates shifting of the content: *Economics*  
 Strikethrough indicates content omitted: ~~Economics~~  
 Black background with text in white indicates addition of the new content:  
**Economics**

## Semester: M.A. I Sem (December, 2018)

Existing					
Course Code	Course Name	L	T	P	C
ECO 401	Macro Economic Theory - I	5	0	0	5
ECO 402	Micro Economic Theory - I	5	0	0	5
ECO 406	Public Economics	5	0	0	5
MATH 408	Mathematics For Economics	5	0	0	5
SSC 402	Social Science Perspectives	5	0	0	5
<b>Total:</b>		25	0	0	25

## Semester: M.A. II Sem(April/ May, 2019)

Existing					
Course Code	Course Name	L	T	P	C
ECO 402	Macro Economic Theory - II	5	0	0	5
ECO 404	Micro Economic Theory - II	5	0	0	5
ECO 405	Monetary Economics and Modern Banking	5	0	0	5
MATH 408	Research Techniques in Social Sciences	5	0	0	5
STAT 404	Statistical Methods for Economics	5	0	0	5
<b>Total:</b>		25	0	0	25

## Semester: M.A. I Sem(December, 2019)

Proposed					
Course Code	Course Name	L	T	P	C
<b>Course Code to be filled by the office</b>	Macro Economic Theory - I	5	0	0	5
	Micro Economic Theory - I	5	0	0	5
	Public Economics	5	0	0	5
	Mathematics For Economics	5	0	0	5
	Social Science Perspectives	5	0	0	5
<b>Total:</b>		25	0	0	25

## Semester: M.A. II Sem(April/ May, 2020)

Proposed					
Course Code	Course Name	L	T	P	C
<b>Course Code to be filled by the office</b>	Macro Economic Theory - II	5	0	0	5
	Micro Economic Theory - II	5	0	0	5
	Monetary Economics and Modern Banking	5	0	0	5
	Statistical Methods for Economics	5	0	0	5
	Research Techniques in Social Sciences	5	0	0	5
<b>Total:</b>		25	0	0	25

Semester: M.A. III Sem(December, 2019)

Existing					
Course Code	Course Name	L	T	P	C
ECO	Elective - I				
HIST 504	India since Independence	5	0	0	5
POL 502	Indian Polity-I				
PSY 507	Health Psychology				
SOC 403	Indian Society : Structure and Change				
STAT 509	Econometrics				
CS 513	Computer Applications	3	0	0	3
CS 513L	Computer Applications Lab	0	0	4	2
ECO 502	Economics of Growth and Development	5	0	0	5
ECO 504	Financial Economics	5	0	0	5
ECO 507	International Trade and Commercial Policy	5	0	0	5
<b>Total:</b>		23	0	4	25

Semester: M.A. III Sem(December, 2020)

Proposed					
Course Code	Course Name	L	T	P	C
Course Code to be filled by the office	Computer Applications	3	0	0	3
	Economics of Growth and Development	5	0	0	5
	Financial Economics	5	0	0	5
	International Trade and Commercial Policy	5	0	0	5
	Computer Applications Lab	0	0	4	2
	<b>Discipline Elective</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>
	<b>Reading Elective - 1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Total:</b>		23	0	6	27

**Semester: M.A. IV Sem(April/ May, 2020)**

<b>Existing</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
ECO	Elective - II				
<del>ECO 503</del>	<del>Economics of Social Sector</del>				
ECO 508P	Project				
HIST 503	Gender History				
POL 503	Indian Polity-II	5	0	0	5
PSY 404	Positive Psychology				
SOC 401	Globalization and Society				
ECO 501	Economics of Environment	5	0	0	5
ECO 505	Indian Economic Development	5	0	0	5
ECO 506	International Money and Finance	5	0	0	5
SSC 501	Women Studies	5	0	0	5
<b>Total:</b>		25	0	0	25

**Semester: M.A. IV Sem(April/ May, 2021)**

<b>Proposed</b>					
<b>Course Code</b>	<b>Course Name</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
<b>Course Code to be filled by the office</b>	Economics of Environment	5	0	0	5
	Indian Economic Development	5	0	0	5
	International Money and Finance	5	0	0	5
	Women Studies	5	0	0	5
	<b>Open Elective</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>5</b>
	<b>Reading Elective - II</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>Total:</b>		25	0	2	27

**Note: Student can opt for at most 2 additional Open (Generic) audit/credit Elective from other disciplines opting at most 1 per semester in Semesters IV with prior permission of respective heads.**

List of Discipline Electives					
Course Code	Course Name	L	T	P	C
Course Code to be filled by the office	Agriculture Economics				
	Econometrics				
	Industrial Economics				
	Population Studies				
	Regional Economics				
	Economics of insurance				
	Dissertation				
	Economics of Education				
	Economics of Health				
	Rural Economics				
	Urban Economics				
	Economics of Discrimination				
	Industrial Economics				
	Labour Economics				
	Population Studies				

List of Reading Elective					
Course Code to be filled by the office	Course Name	L	T	P	C
	Financial Institutions and Markets				
	Global Economy				
	Economics of Infrastructure				
	Startup Economics				
	Making Government work in Hard Places (Online)				
	Energy Within Environmental Constraints(Online)				

**Name of Programme: M.Phil (Economics)**

**Programme Educational Objectives**

M.Phil. Programme at Banasthali aims to train research students to successfully take part in the exciting profession of Economics as Economists, Managers, Policy Makers, Bureaucrats, Researchers, Journalists, Academicians, Teachers and other forms of decision makers/practitioners. The profession of Economics requires multiple skills and capabilities related to observing the decision making by economic agents at a micro and/or macro level and analytically interpreting these acts in a larger theoretical framework. The observation part requires Economists to collect data and the interpretation part requires that data is analyzed and conclusions drawn within a theoretical framework.

Economic and Social Science research requires a broad outlook and sound training of theory as well as research methods. The M.Phil. Programme therefore focuses on providing advanced training of economic theory along with a robust introduction to research methods in Economics and Social Sciences. To keep up with the dynamic real world and the ever expanding theoretical world it is ensured that the Curriculum is reviewed and if necessary revised every year. Multiple reading electives are also incorporated to promote the development of ability self learning amongst research students.

The broad Course objectives are to impart knowledge and develop understanding of the economy at national and global level, and at the same time provide necessary analytical tools and intellectual training to make meaningful observations and interpretations.

The main objectives of the M.Phil. programme in Economics are,

- To provide exemplary education in a stimulating environment where delivery of knowledge of theory and practice of Economics is integrated with nationally and internationally recognized research which enables students to undergo a transformative learning and research process.
- To prepare competent Social Science Researchers (particularly in the field of Economics) at various levels for India.
- To expose students to theoretical and research method approaches within the field of Economics and allied subjects and promote respect for all approaches.

- To develop gender-neutral attitudes and practices, respect for all races, nations, religions, culture, language and traditions.
- To promote scientific temper amongst the students in particular and the society in general.
- To nurture a temperament that would enable individuals to set and work towards self-driven performance goals, entrepreneurial and academic ventures and overall leadership.

## Programme Outcomes

**PO1: Knowledge of Economics:** Students will be able to develop understanding of economic concepts pertaining to the behavior of economic agents from micro and macro perspectives. Along with this they will be able to explain and analyze economic theories and models.

**PO2: Knowledge of Social Sciences, Philosophy and Research:** Students will be able to understand the overall social science perspective and the comparative role of economics in this scheme, especially through the paper on Research Method which is delivered in an interdisciplinary manner.

**PO3: Problematizing ability:** Students will be able to utilize economic, philosophical and scientific techniques to achieve clear, analytical and critical thinking process for raising original and genuine questions and finding research gaps to set a research agenda.

**PO4: Designing Research:** Students will be able to carry out literature review, construct research hypothesis, formulate research questions and objectives and identify sources of data/material.

**PO5: Undertaking Research:** Students will be able to carry out research by utilizing econometric, statistical and other economics research techniques in the process of preparing their term paper and M.Phil thesis.

**PO6: Economic Communication:** Students will be able to develop critical thinking on current issues in the framework of economics and command the ability to effectively communicate economic ideas and their own research in form of presentations and written submissions, like term paper and thesis.

**PO7: Planning Abilities:** Demonstrate effective planning abilities including time management, resource management, delegation skills and organizational skills. Develop and implement plans and organize work to meet deadlines, especially with respect to completing research and compiling thesis/report.

**PO8: Modern Tool Usage:** Ability to understand, select and apply appropriate methods and procedures of modern computing tools to achieve efficiency in economic research, communication and teaching.

**PO9: Theory and Practice of Teaching:** Students will be able to understand the nuisances of teaching economics in the higher education setting with the help of classroom sessions and practice teaching opportunity. This aspect of the M.Phil programme at Banasthali Vidyapith is one of its kind in the entire country.

**PO10: Professional Ethics:** Have a deep sense of respect for all disciplines and theoretical approaches so that a well rounded, dogma free intellectual activity is feasible.

**PO11: Life-Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of economic, societal and technological change. Have the ability of Self assessment and use feedback effectively from others to identify learning gaps and work on these gaps on an ongoing basis.

**Note:** Gray in italics indicates shifting of the content: *Economics*  
 Strikethrough indicates content omitted: ~~Economics~~  
 Black background with text in white indicates addition of the new content:

**M.Phil. I Sem (December, 2018)**

Existing					
Course Code	Course Name	L	T	P	C
ECO 602	Selected Topics in Advanced Economic Theory	4	0	0	4
EDU 619	Teacher, Teaching and Higher Education	4	0	0	4
EDU 619L	Sessional and Lab Work (Teaching Practice)	0	0	4	2
SSC 601	Research Methodology in Social Sciences	4	0	0	4

**Semester: M.Phil. II Sem (April/ May, 2019)**

Existing					
Course Code	Course Name	L	T	P	C
	Reading Elective - I	2	2	0	4
ECO 601	Indian Economic Problems and Issues	4	0	0	4
ECO 604S	Seminar	0	0	6	3
ECO 605P	Term Paper	0	0	10	5

**Semester: M.Phil. III Sem (December, 2019)**

Existing					
Course Code	Course Name	L	T	P	C
	Reading Elective - II	2	2	0	4
ECO 701D	Dissertation	0	0	24	12

**Semester I: M.Phil. (Economics) (December, 2019)**

Proposed					
Course Code	Course Name	L	T	P	C
SSC 601	Research Methodology in Social Sciences	4	0	0	4
ECO 602	Selected Topics in Advanced Economic Theory	4	0	0	4
EDU 619	Teaching, Teachers and Higher Education	4	0	0	4
ECO 605P	Term Paper	0	0	24	12
	Reading Elective - I	0	0	0	2

**Semester II: M.Phil. (Economics) (April/ May, 2020)**

Proposed					
Course Code	Course Name	L	T	P	C
	Dissertation	0	0	36	18
	Seminar	0	0	8	4
	Reading Elective - II	0	0	0	2
	Reading Elective - III	0	0	0	2
<b>Total:</b>		0	0	44	26

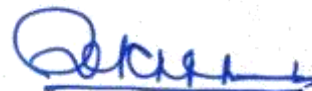


Existing Reading Elective -I					
Course Code	Course Name	L	T	P	C
ECO 603R	Selected Topics in Indian Agriculture and Rural Development	2	2	0	4
ECO 606R	Urbanisation and Public Policy				

Existing Reading Elective - II					
Course Code	Course Name	L	T	P	C
ECO 702R	Gender and Development	2	2	0	4
ECO 703R	Modern Economic Thought				

Course Code	Course Name	L	T	P	C
ECO 603R	Selected Topics in Indian Agriculture and Rural Development	0	0	0	2
ECO 606R	Urbanisation and Public Policy				
ECO 702R	Gender and Development				
	Behavioral Economics (new course)				
	Economics of Ethics (new course)				
	Institutional Economics(new course)				

Verified



Offg. Secretary  
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