

## B.A. (ECONOMICS HONOURS) THREE YEARS PROGRAMME

### **PURPOSE OF THE COURSE:**

This course support and encourage the broad instructional goals such as basic knowledge of the discipline of Economics including concepts, fundamental theories and general principles. This also support the ability to ask relevant questions and to obtain solutions to these questions by using qualitative and quantitative reasoning. The important attributes of the students including appreciation of the all the subjects related to Economics, and they become curious, creative and innovative relating the social reality with Economics. With this in mind, we aim to provide a firm foundation in every aspect of Economics.

### **PROGRAMME OUTCOMES (POs)**

**PO1**· Assess the existing knowledge, concepts, techniques, and methodology appropriate to the graduate's chosen discipline.

**PO2**· Conceive and plan a high-quality research in the appropriate disciplinary or multi-disciplinary context.

**PO3**· Apply discipline based or cross-discipline based knowledge to design a problem-solving strategy

**PO4**· Identify major issues, debates, or approaches appropriate to the discipline

**PO5**· Empower and enhance the understanding of change and growth with a world view

**PO6**· Provide systematic knowledge of theory and its practices.

**PO7**· Develop an argument in accordance with the methods of the discipline

**PO8**· Solve discipline-based or cross-discipline-based problems using strategies appropriate to the subject

**PO9**· Inspire and encourage for futuristic education and development.

**PO10**· the program aims at producing successful and competent economic analysts who are ethically and socially responsible professionals with an inter-disciplinary orientation.

### **PROGRAMME SPECIFIC OUTCOMES (PSOs)**

**PSO 1:** This course is designed to expose the students to the basic principles of Economics. The emphasis will be on thinking like an Economist and the course will illustrate how economic concepts can be applied to analyse real-life situations

**PSO 2:** The subject develops strong competencies at under graduate level students in broad area of Economics and its applications in an interactive environment. Economics leads to careers in business, law, education, banking, insurance, public policy, diplomacy, environmental science, international affairs and in research and consultancy.

**PSO 3:** Economics Graduates understand the issues of environmental contexts and sustainable development. They understand the two-way relationship between Environment and Economy. They are familiar with the knowledge of international trade and its theories. They are able to understand the concept of public finance, revenue collection, Money Supply, Banking Functions, Credit Creation etc

**PSO 4:** The study of Economics helps in enhancing numerical and computing ability and will also help in developing presentation skills. The course is helpful in analysing the economic importance of various sectors like Agriculture, Industry and Service sector in development of a country.

**PSO 5:** Economics helps to understand the basic concepts of consumer behaviour, producer behaviour, Income inequalities, poverty, Unemployment, Importance of National and International trade and various Macro Economic Policies.

**PSO 6:** Students will be able to develop a scientific temperament that would inculcate a spirit of research and enquiry which are fundamental for future policy initiatives and social growth courses. They engage in rational, objective and independent thinking so as to identify, define and logically evaluate ideas; solve problems systematically and detect inconsistencies in arguments.

**PSO 7:** To analyse and evaluate positions on economic issues, showing that one can break an economic issue down into the various economic principles and concepts that form the basis of the position and identify the competing sides on the issue.

**PSO 8:** It is an important subject opted for different competitive exams i.e., Indian Economic Services (IES), Indian Administrative Services (IAS), Banking, Insurance, National Sample Survey, Ministry of Foreign Affairs, Ministry of Finance, NITI Aayog etc.

**PSO 9:** · Students will be able to explain economics to lay audiences, showing that they can translate economic concepts and principles into terms that can be understood by both general and specific audiences.

**PSO10:** · Students will be able to solve real-world economic problems effectively in the context of an industry or field of study, showing that they can identify and collect the appropriate economic data, analyse data in terms of costs and benefits

## **Scheme of B.A. 1st, 2nd, 3rd (Economics Hons.) Semester System**

### **B.A.Part-1**

<b><u>Semester-1</u></b>	<b>Nomenclature</b>
<b>Paper-101</b>	<b>Micro Economics -I</b>
<b>Paper-102</b>	<b>Macro Economics –I</b>

<b><u>Semester-2</u></b>	
<b>Paper-203</b>	<b>Micro Economics -II</b>
<b>Paper-204</b>	<b>Macro Economics -II</b>

### **B.A.Part-2**

<b><u>Semester-3</u></b>	
<b>Paper-305</b>	<b>Money &amp; Banking</b>
<b>Paper-306</b>	<b>Issues in Indian Economy</b>
<b>Paper-307</b>	<b>Development Economics &amp; Planning</b>

<b><u>Semester-4</u></b>	
<b>Paper-408</b>	<b>Public Economics</b>
<b>Paper-409</b>	<b>Sectoral Development &amp; Policies in India</b>
<b>Paper-410</b>	<b>Mathematics for Economics</b>

### **B.A.Part-3**

<b><u>Semester-5</u></b>	
<b>Paper-511</b>	<b>History of Economic Thought</b>
<b>Paper-512</b>	<b>International Economics-I</b>
<b>Paper-513</b>	<b>Environment Economics &amp; Policy</b>

<b><u>Semester-6</u></b>	
<b>Paper-614</b>	<b>Statistics for Economists</b>
<b>Paper-615</b>	<b>International Economics-II</b>
<b>Paper-616</b>	<b>Comparative Economic Development</b>

**PAPER CODE 101 : MICRO ECONOMICS-I SEMESTER-1**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to the Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b> This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.</p>	

**Course Outcomes:**

After the successful completion of the course, the students will be able to:

101.1: Understand the nature and scope of economics, economic problems and demand and elasticity of demand.

101.2: Develop an understanding of consumer behaviour and satisfaction maximisation.

101.3: Develop an understanding about producer behaviour and profit maximisation.

101.4: Understand the cost and revenue concepts and their behaviour.

**CO-PO Mapping Matrix for course- 101**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
101.1	3	3	3	2	2	2	1	2	2	3
101.2	3	3	3	3	1	3	2	3	3	3
101.3	3	3	3	3	1	3	2	2	3	3
101.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	1.5	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course- 101**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
101.1	3	3	3	3	2	3	2	3	3	3
101.2	3	3	2	3	3	3	2	2	2	3
101.3	3	3	2	3	3	3	2	2	2	3
101.4	3	3	3	3	3	3	2	3	2	3
Average	3	3	2.5	3	2.75	3	2	2.5	2.25	3

**PAPER- 102: MACRO ECONOMICS-I SEMESTER-1**

Type: Core Course (CC) Contact Hours: 45 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 32 (i.e. 40%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 40 (i.e. 40%)	<b>Instructions To Paper Setter:</b> Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.
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**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the economy as a whole. It provides basic knowledge of all macro economic variables like employment, output, Inflation, deflation etc and application of macroeconomic policies.

**Course Outcomes:** At the end of this course, the student will be able to:

102.1 Have insight about Macroeconomics- Nature & scope, National income-Concepts and measurement

102.2 Have further understanding of economy in terms of equilibrium level of income employment-classical and Keynesian approach

102.3 Have knowledge about nature of consumption function, and Consumption-income relationship in short and long run

102.4 Have understanding about Capital, investment function, Propensity to Invest ,and theories of investment

**CO-PO Mapping Matrix for Course Code: Paper-102**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
102.1	3	3	2	3	3	3	3	3	3	2	
102.2	3	2	2	3	3	3	3	2	1	2	
102.3	2	3	3	3	2	2	3	3	2	2	
102.4	2	2	3	2	3	3	2	2	2	1	
Average	2.5	2.5	2.5	2.75	2.75	2.75	2.75	2.5	2.0	1.75	

**CO-PSO Mapping Matrix for Course Code: Paper-102**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO 6	PSO7	PSO8	PSO 9	PSO10
102.1	3	3	3	3	3	2	2	3	3	3
102.2	3	3	2	2	3	3	3	3	2	3
102.3	3	2	3	2	3	2	3	3	3	3
102.4	3	3	3	2	3	3	3	2	2	3
Average	3	2.75	2.75	2.25	3	2.5	2.75	2.75	2.5	3

**PAPER 203 : MICRO ECONOMICS-II SEMESTER -II**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to the Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b> This course is designed to expose the students to the basic principles of microeconomic theory. The emphasis will be on thinking like an economist and the course will illustrate how microeconomic concepts can be applied to analyse real-life situations.</p>	

**Outcomes Course:** At the end of this course, the student will be able to:

203.1: Understand the market structure and their features. Develop an understanding of price determination and equilibrium of firm under perfect competition and monopoly

203.2: Develop an understanding about the monopolistic competition and oligopoly.

203.3: Understand theory of factor pricing and theories of interest and profit.

203.4 Develop an understanding about general equilibrium and welfare economics.

**CO-PO Mapping Matrix for course- 203**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
203.1	3	3	3	2	2	2	1	2	2	3
203.2	3	3	3	3	2	3	2	3	3	3
203.3	3	3	3	3	2	3	2	2	3	3
203.4	3	3	3	3	2	3	2	3	3	3
<b>Average</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2.75</b>	<b>2</b>	<b>2.75</b>	<b>1.75</b>	<b>2.5</b>	<b>2.75</b>	<b>3</b>

**CO-PSO Mapping Matrix for course 203**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
203.1	2	3	3	3	2	3	2	3	1	3
203.2	2	3	2	3	3	3	2	2	2	3
203.3	2	3	2	3	3	3	2	2	2	3
203.4	3	3	3	3	3	3	2	3	2	3
<b>Average</b>	<b>2.25</b>	<b>3</b>	<b>2.5</b>	<b>3</b>	<b>2.75</b>	<b>3</b>	<b>2</b>	<b>2.5</b>	<b>1.75</b>	<b>3</b>

**PAPER- 204: MACRO ECONOMICS-II****SEMESTER-II**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the economy as a whole. It provides basic knowledge of all macro economic variables like employment, investment, output, Inflation, deflation etc and application of macroeconomic policies and fluctuations in the economy.

**Course Outcomes:** At the end of this course, the student will be able to:

204.1 Have insight about the income generation process-multiplier effect of investment and acceleration effect of changes in output

204.2 Have further understanding about the value of money and price level in the economy and inflation process.

204.3 Have knowledge about nature and determination of rate of interest, working mechanism and co-ordination of monetary and fiscal policies

204.4 Have understanding about business fluctuations in an economy ,phases of trade cycles and mechanism &policy measures

**CO-PO Mapping Matrix for Course Code: Paper-204**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
204.1	3	3	2	3	3	3	3	3	3	3
204.2	3	2	2	3	3	3	3	2	3	2
204.3	3	3	3	3	2	3	3	3	2	3
204.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-204**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO 6	PSO7	PSO8	PSO 9	PSO10
204.1	3	3	3	3	3	3	2	3	3	3
204.2	3	3	2	2	3	2	2	3	3	2
204.3	3	2	3	2	3	3	3	3	2	2
204.4	3	3	3	2	3	2	3	2	3	2
Average	3	2.75	2.75	2.25	3	2.5	2.5	2.75	2.75	2.25

**PAPER-305 MONEY & BANKING SEMESTER-III**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter For End Semester Exam:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the financial structure, organization and working of financial system as a whole and particularly of India for better financial decision making.

**Course Outcomes:** At the end of this course, the student will be able to:

**305.1** Have insight about the Money, Money supply, Money & Capital Markets- Organisation, Structure and Working.

**305.2** Have further understanding of Banking, Commercial banks- functions & Credit Creation, RBI and Credit Control measures

**305.3** Have knowledge about nature of financial sector-money and capital market of India, Non-bank financial intermediaries

**305.4** Have understanding about exchange rates ,and exchange rate mechanism, theories of Exchange rate determination ,adjustments

**CO-PO Mapping Matrix for Course Code: Paper-305**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
305.1	3	3	2	3	3	3	3	3	3	3
305.2	3	2	2	3	3	3	3	2	3	2
305.3	3	3	3	3	2	3	3	3	2	3
305.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-305**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
305.1	3	3	2	3	3	3	3	3	3	3
305.2	3	2	2	3	3	3	3	2	3	2
305.3	3	3	3	3	2	3	3	3	2	3
305.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75



**PAPER- 306 ISSUES IN INDIAN ECONOMY SEMESTER-III**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b>The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</p>
<p><b>Objective:</b> The basic objective of the paper is to understand the basic issues of Indian Economy, its problems and solutions.</p>	

**Course Outcome:** At the end of this course, the student will be able to

**306.1** Have knowledge about basic issues like Overpopulation, urbanization Rural-urban migration, poverty, unemployment etc.

**306.2** Have understanding of regional backwardness, and regional imbalances, and issues relating to Haryana economy.

**306.3** Have knowledge about human resource development, education & healthcare, labour productivity measures, gender and economic development

**306.4** Have understanding about economic reforms, competitiveness of India trade and industry, Special economic zones, NITI ayog.

**CO-PO Mapping Matrix for course- 306**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
<b>306.1</b>	3	3	2	3	1	1	1	1	3	3
<b>306.2</b>	3	3	3	3	2	1	2	2	3	3
<b>306.3</b>	3	3	3	3	1	1	2	2	3	3
<b>306.4</b>	3	3	2	3	2	1	1	1	3	3
<b>Average</b>	3	3	2.5	3	1.5	1	1.5	1.5	3	3

**CO-PSO Mapping Matrix for course- 306**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
<b>306.1</b>	2	3	2	2	3	3	2	3	3	3
<b>306.2</b>	2	3	1	2	3	3	3	3	3	3
<b>306.3</b>	2	3	1	1	2	3	3	3	3	3
<b>306.4</b>	2	3	1	2	3	3	2	3	3	3
<b>Average</b>	2	3	1.25	1.75	2.75	3	2.75	3	3	3

**PAPER CODE 307-ECONOMIC DEVELOPMENT AND PLANNING SEMESTER-III**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each. .</p>
<p><b>Course Objective:</b> The objective of this course is to provide the students knowledge with regard to economic development, sustainable development, different theories of economic development and economic planning and policy.</p>	

**Course Outcome: At the end of this course, the student will be able to :**

307.1 Understand the concepts of economic development, Underdevelopment and sustainable development

307.2 Develop an understanding of theories of economic development Adam Smith, Mill, Marx and Schumpeter

307.3 Have knowledge about approaches to development-Lewis, Leibenstein, Vicious circle of poverty Balanced and unbalanced growth strategy

307.4 Understand the strategy and objectives of planning, mechanism of economic policy.

**CO-PO Mapping Matrix for course- 307**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
307.1	3	3	2	3	3	2	1	1	3	3
307.2	3	3	3	3	2	2	2	2	3	3
307.3	3	3	3	3	1	2	2	2	3	3
307.4	3	3	2	3	3	2	1	1	3	3
Average	3	3	2.5	3	2.25	2	1.5	1.5	3	3

**CO-PSO Mapping Matrix for course -307**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
307.1	3	3	2	3	2	3	2	3	3	3
307.2	2	2	1	2	2	3	3	3	3	2
307.3	2	3	1	2	2	3	3	2	3	2
307.4	3	3	1	2	2	3	3	3	3	3
Average	2.5	2.75	1.25	2.25	2	3	2.75	2.75	3	2.5

**PAPER- 408 : PUBLIC ECONOMICS SEMESTER-IV**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge with regard to the Public finance, Public Expenditure, Public Revenue as well as Budgetary policy framework and provide status of centre –state financial relationship.

**Course Outcomes:** At the end of this course, the student will be able to:

408.1 Have insight about the Public economics- nature&scope,market failure

408.2 Have understanding of Public revenue, Public debt: types,nature Effects, trends

408.3 Have knowledge about nature of public expenditure-types,nature Effects,trends

408.4 Have understanding about Budget,concepts of deficits,centre and states finances, financial relationship, Finance commission recommendations

**CO-PO Mapping Matrix for Course Code: Paper-408**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
408.1	3	3	2	3	3	3	3	3	3	3
408.2	3	2	2	3	3	3	3	2	3	2
408.3	3	3	3	3	2	3	3	3	2	3
408.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-408**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
408.1	3	3	2	3	3	3	3	3	3	3
408.2	3	2	2	3	3	3	3	2	3	2
408.3	3	3	3	3	2	3	3	3	2	3
408.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.75

**PAPER CODE: 409 SECTORAL DEVELOPMENT AND POLICIES IN INDIA**

**SEMESTER-IV**

<b>Type: Core Course (CC)</b> <b>Contact Hours: 40 minutes/day</b> <b>Examination Duration: 3 Hours</b> <b>Mode: Lecture</b> <b>External Maximum Marks: 80</b> <b>External Pass Marks: 32 (i.e., 40%)</b> <b>Internal Maximum Marks: 20</b> <b>Total Max. Marks: 100</b> <b>Total Pass Marks: 40 (i.e., 40%)</b>	<b>Instructions to Paper Setter: The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</b>
<b>Objective: The basic objective of the paper is to understand the development of different sectors of the Indian Economy.</b>	

**Course Outcome: At the end of this course, the student will be able to:**

**409.1 Have knowledge about infrastructure development and related problems and solutions.**

**409.2 Understanding of agriculture sector of India and about green revolution agricultural marketing and land reforms.**

**409.3 Have knowledge about industrial sector, its growth and industrial policies**

**409.4. have knowledge about different banks and their objective and functions.**

**CO-PO Mapping Matrix for course- 409**

<b>CO/PO</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>
<b>409.1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>409.2</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>409.3</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>409.4</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>
<b>Average</b>	<b>3</b>	<b>3</b>	<b>1.5</b>	<b>2.5</b>	<b>1</b>	<b>1</b>	<b>1.5</b>	<b>2</b>	<b>3</b>	<b>3</b>

**CO-PSO Mapping Matrix for course- 409**

<b>CO/PO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>	<b>PSO6</b>	<b>PSO7</b>	<b>PSO8</b>	<b>PSO9</b>	<b>PSO10</b>
<b>409.1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>409.2</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>409.3</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>409.4</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>Average</b>	<b>2</b>	<b>2.75</b>	<b>1.75</b>	<b>2.75</b>	<b>2.75</b>	<b>1.75</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>3</b>

**PAPER CODE: 410: MATHEMATICS FOR ECONOMICS**

**SEMESTER-IV**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b> The objectives of this course is to provide the students knowledge with regard to mathematics and economic applications of different concepts of mathematics.</p>	

**Course Outcomes:**

After the successful completion of the course, the students will be able to:

- 410.1 Have knowledge about the set theory, functions and functions in economics.
- 410.2 Have understanding of Matrices and Input-output analysis.
- 410.3 Have knowledge about simple derivatives, partial derivative and their economic applications.
- 410.4 Have understanding about maxima and minima, and Integration, and application of integration in economics.

**CO-PO Mapping Matrix for course 410**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
410.1	3	3	3	2	1	2	1	2	2	3
410.2	3	3	3	2	1	3	2	3	3	3
410.3	3	3	3	2	1	3	2	2	3	3
410.4	3	3	3	2	1	3	2	3	3	3
Average	3	3	3	2	1	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course 410**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
410.1	2	2	1	3	1	3	2	2	1	3
410.2	3	3	1	3	2	3	2	2	2	3
410.3	2	3	1	3	2	3	2	2	2	3
410.4	3	3	1	3	2	3	2	2	2	3
Average	2.5	2.75	1	3	1.75	3	2	2	1.75	3

**PAPER- 511 : HISTORY OF ECONOMIC THOUGHT SEMESTER-V**

Type: Core Course (CC)  
 Contact Hours: 45 minutes/day  
 Examination Duration: 3 Hours  
 Mode: Lecture  
 External Maximum Marks: 80  
 External Pass Marks: 32 (i.e. 40%)  
 Internal Maximum Marks: 20  
 Total Max. Marks: 100  
 Total Pass Marks: 40 (i.e. 40%)

**Instructions To Paper Setter:** Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.

**Course Objectives:** The aim of this course is to provide the students knowledge about history of different school of economic thought and give detailed outlook of economic ideas of economic thinkers.

**Course Outcomes:** At the end of this course, the student will be able to:

- 511.1 Have knowledge about the classical economic thought: A Smith D Ricardo, T Malthus
- 511.2 Have understanding of Neo-classical thought-Jevons, Menger, Walras, Marshall
- 511.3 Have knowledge about economic thought and concepts of J.M Keynes and Austrian school of thought
- 511.4 Have understanding about Indian thinkers about economics like Gandhi, Amartya sen and others.

**CO-PO Mapping Matrix for Course Code: Paper-511**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
511.1	3	3	2	3	3	3	3	1	3	3
511.2	3	2	2	3	3	3	3	1	3	2
511.3	3	3	3	3	2	3	3	1	2	3
511.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	1.25	2.5	2.75

**CO-PSO Mapping Matrix for Course Code: Paper-511**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
511.1	3	3	2	3	3	3	3	3	3	3
511.2	3	2	2	3	3	2	3	2	3	2
511.3	3	3	3	3	2	1	3	3	2	1
511.4	2	2	3	2	3	3	2	2	2	3
Average	2.75	2.5	2.5	2.75	2.75	2.25	2.75	2.5	2.5	2.25

**PAPER CODE: 512 INTERNATIONAL ECONOMICS- I SEMESTER-V**

<p><b>Type: Core Course (CC)</b>  <b>Contact Hours: 40 minutes/day</b>  <b>Examination Duration: 3 Hours</b>  <b>Mode: Lecture</b>  <b>External Maximum Marks: 80</b>  <b>External Pass Marks: 32 (i.e., 40%)</b>  <b>Internal Maximum Marks: 20</b>  <b>Total Max. Marks: 100</b>  <b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b>The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</p>
<p><b>Objective: The basic objective of the paper is to understand the international trade, determination of terms of trade and gains from trade.</b></p>	

**Course Outcome: At the end of this course, the student will be able to**

**512.1 Have an idea about the basis and rationale of domestic trade and international trade. Classical theory and opportunity cost theory of trade**

**512.2 Have understanding of role of reciprocal demand in trade and offer Curve approach, Heckscher-Ohlin approach, Factor price equalisation**

**512.3 Have knowledge about nature of trade as a stimulant for economic Growth, gains from trade and hypothesis of secular deterioration of Terms of trade for less developed countries.**

**512.4 Have understanding about interventions with free trade-quotas and tariffs, effects on balance of payments, terms of trade, income and distribution of trade gains**

**CO-PO Mapping Matrix for course -512**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
512.1	3	2	2	2	3	2	3	3	3	3
512.2	3	2	2	2	3	3	3	2	3	3
512.3	3	3	1	3	3	3	3	3	3	3
512.4	3	3	2	3	3	2	3	3	3	3
Average	3	2.5	1.75	2.5	3	2.5	3	2.75	3	3

**CO-PSO Mapping Matrix for course -512**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
512.1	3	3	3	2	2	2	2	3	3	1
512.2	3	3	3	2	2	2	3	3	3	2
512.3	3	3	3	3	3	3	3	3	3	2
512.4	3	3	3	2	3	2	2	3	3	2
Average	3	3	3	2.75	2.5	2.25	2.5	3	3	1.75

**PAPER CODE 513 :ENVIRONMENTAL ECONOMICS SEMESTER-V**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives:</b>                  The objective of this course is to provide the students knowledge with regard to Environmental Economics. Also aims to develop understanding in students about environment degradation causes, consequences and control.</p>	

**Course Outcomes: After the successful completion of the course, the students will be able to:**

**513.1 Have insight into nature, scope & subject-matter of Environmental Economics, Environment-economy and population linkages.**

**513.2 Have understanding of market failures, Environment as public good, asymmetry of information.**

**513.3 Have knowledge about sustainable development.**

**513.4 Have understanding about environment legislation Environmental issues, climate change.**

**CO-PO Mapping Matrix for Course- 513**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
513.1	3	3	3	2	2	2	1	2	2	3
513.2	3	3	3	3	2	3	2	3	3	3
513.3	3	3	3	3	2	3	2	2	3	3
513.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	2	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for Course- 513**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
513.1	2	3	3	2	2	3	2	3	1	3
513.2	3	3	3	2	2	3	2	2	2	3
513.3	2	3	3	2	1	3	2	2	2	3
513.4	3	3	3	2	2	3	2	3	2	3
Average	2.5	2.75	3	2	1.75	3	2	2.5	1.75	3



**PAPER CODE:614 STATISTICS FOR ECONOMISTS**

**SEMESTER-VI**

<p><b>Type: Core Course (CC)</b></p> <p><b>Contact Hours: 40 minutes/day</b></p> <p><b>Examination Duration: 3 Hours</b></p> <p><b>Mode: Lecture</b></p> <p><b>External Maximum Marks: 80</b></p> <p><b>External Pass Marks: 32 (i.e., 40%)</b></p> <p><b>Internal Maximum Marks: 20</b></p> <p><b>Total Max. Marks: 100</b></p> <p><b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b>The Question paper will have Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number ONE will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.</p>
<p><b>Objective:</b> This paper has the objective of introducing students with elaborate view of meaning, nature and scope of statistics and understanding and computation of Central Tendencies, Dispersion, Skewness, Kurtosis, Correlation &amp; regression etc.</p>	

**Course Outcome:** At the end of this course, the student will be able to

**614.1** Have understanding about the nature and subject matter of Statistics, measures of central tendency-mean, mode and median.

**614.2** Have understanding of measures of dispersion, elementary idea about concepts of skewness and kurtosis, and measurement

**614.3** Have knowledge about correlation and regression. Working Theoretical and computations skills in measurement of correlation Regression.

**614.4** Have understanding about time series and Index numbers- theoretical and practical knowledge about computational problems

**CO-PO Mapping Matrix for course 614**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
614.1	3	2	3	1	1	2	1	2	3	2
614.2	3	3	3	1	1	3	2	2	3	2
614.3	3	3	3	1	1	3	1	3	3	2
614.4	3	3	3	1	1	3	1	2	3	2
Average	3	2.75	3	1	1	2.75	1.25	2.25	3	2

**CO-PSO Mapping Matrix for course 614**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
614.1	2	3	1	1	1	2	2	3	3	3
614.2	2	3	2	1	2	3	2	3	3	3
614.3	2	3	2	1	1	3	2	3	3	3
614.4	2	3	2	1	2	3	2	3	3	3
Average	2	3	1.75	1	1.5	2.75	2	3	3	3

**PAPER- 615 : INTERNATIONAL ECONOMICS-II SEMESTER-VI**

Type: Core Course (CC) Contact Hours: 45 minutes/day Examination Duration: 3 Hours Mode: Lecture External Maximum Marks: 80 External Pass Marks: 32 (i.e. 40%) Internal Maximum Marks: 20 Total Max. Marks: 100 Total Pass Marks: 40 (i.e. 40%)	<b>Instructions To Paper Setter:</b> Examiner will be required to set Nine questions, including two questions from each unit. The candidate will be required to attempt Five questions in all. Question number one will be compulsory and it will have ten objective type questions (each carrying 2 marks) uniformly spread over entire syllabus. Out of the remaining eight questions (each carrying 15 marks), the candidate will be required to attempt four questions selecting one from each unit.
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**Course Objectives:** The aim of this course is to provide the students knowledge about international trade scenario in general and in Indian context.

**Course Outcomes:** At the end of this course, the student will be able to:

- 615.1 Have knowledge about balance of payment, balance of trade and disequilibrium in BOP –causes and effects as well as BOP adjustments theories
- 615.2 Have understanding of role of IMF, World bank and working of Multinational corporations in India.
- 615.3 Have knowledge about working of regional blocs like EU, ASEAN, and Custom Union in international regime.
- 615.4 Have understanding about foreign trade of India and its BOP disequilibrium and trade reforms as well as corrective measures for improving BOP of India.

**CO-PO Mapping Matrix for Course Code: Paper-615**

COs#	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	
615.1	3	3	2	3	3	3	3	3	3	1	
615.2	3	2	2	3	3	3	3	2	3	2	
615.3	3	3	3	3	2	3	3	3	2	3	
615.4	2	2	3	2	3	3	2	2	2	3	
Average	2.75	2.5	2.5	2.75	2.75	3	2.75	2.5	2.5	2.25	

**CO-PSO Mapping Matrix for Course Code: Paper-615**

COs#	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10	
615.1	3	3	2	3	3	1	3	3	3	3	
615.2	3	2	2	3	3	2	3	2	3	2	
615.3	3	3	3	3	2	1	3	3	2	3	
615.4	2	2	3	2	3	1	2	2	2	3	
Average	2.75	2.5	2.5	2.75	2.75	1.25	2.75	2.5	2.5	2.75	

**PAPER CODE 616: COMPARATIVE ECONOMIC DEVELOPMENT**

**SEMESTER-VI**

<p><b>Type: Core Course (CC)</b>  <b>Contact Hours: 40 minutes/day</b>  <b>Examination Duration: 3 Hours</b>  <b>Mode: Lecture</b>  <b>External Maximum Marks: 80</b>  <b>External Pass Marks: 32 (i.e., 40%)</b>  <b>Internal Maximum Marks: 20</b>  <b>Total Max. Marks: 100</b>  <b>Total Pass Marks: 40 (i.e., 40%)</b></p>	<p><b>Instructions to Paper Setter:</b> Examiner will be required to set NINE questions in all. Student will be required to attempt FIVE questions in all. Question No.1 will be compulsory. It covers the entire syllabus. In addition to the compulsory question, student is required to attempt FOUR questions from the remaining eight questions, selecting one from each unit carrying 15 marks each.</p>
<p><b>Course Objectives: The objective of this course is to make students acquainted with comparative Economic development of Britain, US, Japan, China, USSR and newly industrialized countries and lessons learnt by India from these developed economies.</b></p>	

**Course Outcomes:**

After the successful completion of the course, the students will be able to:

**616.1 Have insight into the economic development of Britain & US.**

**616.2 Have understanding of economic development of Japan & China.**

**616.3 Have knowledge about economic development of Russia (in the time of USSR), disintegration of USSR, and growth of Newly industrialized countries.**

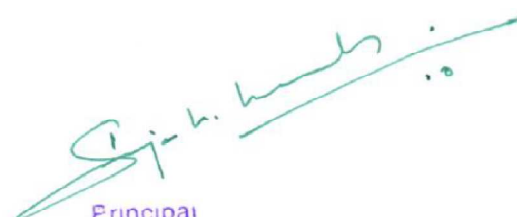
**616.4 Have understanding about role of state in economic development of Britain, Russia, and Japan. Lessons for India from growth experience of these countries and EU.**

**CO-PO Mapping Matrix for course- 616**

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
616.1	3	3	3	2	2	2	1	2	2	3
616.2	3	3	3	3	2	3	2	3	3	3
616.3	3	3	3	3	2	3	2	2	3	3
616.4	3	3	3	3	2	3	2	3	3	3
Average	3	3	3	2.75	2	2.75	1.75	2.5	2.75	3

**CO-PSO Mapping Matrix for course- 616**

CO/PO	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
616.1	2	3	3	3	2	3	2	3	1	3
616.2	2	3	2	3	3	3	2	2	2	3
616.3	2	3	2	3	3	3	2	2	2	3
616.4	3	3	3	3	3	3	2	3	2	3
Average	2.25	2.75	2.5	3	2.75	3	2	2.5	1.75	3

  
 Principal  
 Dyal Singh College  
 KARNAL