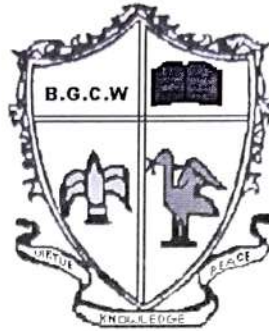


**BHARATHIDASAN GOVT. COLLEGE FOR WOMEN  
(AUTONOMOUS)**

**Affiliated to Pondicherry University**

**PUDUCHERRY-605003**



**Programme: B.A Economics**

**Curriculum & Syllabus  
(Choice Based Credit System)**

**EFFECTIVE FROM  
2016-17**

**GOVERNMENT OF PUDUCHERRY**  
**BHARATHIDASAN GOVERNMENT COLLEGE FOR WOMEN**  
**(AUTONOMOUS)**  
**PUDUCHERRY-605003**

**Minutes of the Meeting on Board of Studies of Department of Economics, BGCW, held on  
23.01.2018 at 11.00 AM in the Department of Economics.**

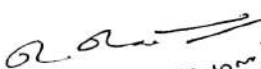
**Participants:**

- |  |                  |
|--|------------------|
| 1. Dr. P. Nadesan, Associate Professor & HoD of Economics, BGCW  | - Chairman       |
| 2. Dr. T. Ranganathan, Associate Professor, Economics, BGCW  | - Member         |
| 3. Smt. K. Marcelline Marie Christine, Asst. Professor, Economics, BGCW                                      | - Member         |
| 4. Dr. Gorakh Chawla, Asst. Professor, Economics, BGCW   | - Member         |
| 5. Smt. N. Umarani, Asst. Professor, Economics, BGCW   | - Member         |
| 6. Dr. R. Rajendran, Head & Professor of Economics<br>Govt. Arts College, Kumbakonam, Tamilnadu              | - Subject Expert |
| 7. Dr. Prasant Kumar Panda, Associate Professor of Economics<br>Central University of Tamilnadu, Thiruvavur. | - Subject Expert |
| 8. Dr. V. Nirmala, Head & Professor Economics<br>Pondicherry University, Puducherry.                         | - VC Nominee     |
| 9. Smt. A. Girija, G-Computers, Bharathi St, Puducherry  | - Industrialist  |
| 10. Smt. S. Vijayalakshmi, Asst. Professor<br>Idaya Arts & Science College for Women, Puducherry.            | - Alumna         |

The Chairman Welcomed the participants. Agenda were placed in front of the Composition of the Board of Studies and the following were decided:

- The new syllabi framed by all the members unanimously approved and recommended for implementation from the academic year 2016 retrospectively for the first three semester and prospectively for the last three semester and the detailed syllabi are given in the Annexure-I.
- Choice Based Credit System (CBCS) syllabus for all six semesters of UG with scheme of examination were approved.
- An optional paper which is going to be introduced during 5<sup>th</sup> semester was also approved.
- Generic Electives for 5<sup>th</sup> & 6<sup>th</sup> Semester offering to Other departments was also approved.
- **Internal marks (25 marks)** consisting of continuous internal assessment test (5 marks) assignment / seminar (5 marks), model exam (10 marks) attendance (5 marks) and question paper pattern were also discussed and approved.
- 3 Credits have been given to Languages and English subject in 1<sup>st</sup> & 2<sup>nd</sup> year with the duration of 6 teaching hours.

Meeting ended with vote of thanks.

  
(Dr. P. Nadesan)  
23/1/18

  
(Dr. Prasant Kumar Panda)  
23/1/18

  
(Dr. V. Nirmala)  
23/1/18

  
(S. VIJAYALAKSHMI)  
23/1/18

**BHARATHIDASAN GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)**

**DEPARTMENT OF ECONOMICS**

**Minutes of the Staff Council Meeting held on 09.01.2019.**

A meeting of faculty council of the Department of Economics was called to revise the credit rates in the light of the table given by the Controller of Examination.

The CBCS Syllabus restructured for the batch 2017-2020 has given 150 credits as per suggestion of the then Controller of Examination. Since it was found that for the B.A Programme, the credits need to be between 120 and 139, a detailed discussion was held and now the department allocates the credits as:

Sl.No.	Category	No.of Papers	Level	Credits
1	DSC	8	6	48
2	DSE	6	5	30
3	SEC	4	4	16
4	AECC	2	2	4
5	GE	2	3	6
6	Language	4	3	12
7	English (FC)	4	3	12
	<b>Total</b>	<b>30</b>		<b>128</b>

Earlier the total number of credits was 142 for the batch 2017-2020 and 2018-2021.

Sl.No.	Category	No.of Papers	Level	Credits
1	DSC	8	6	74
2	DSE	6	5	20
3	SEC	4	4	12
4	AECC	2	2	4
5	GE	2	3	8
6	Language	4	3	12
7	English (FC)	4	3	12
	<b>Total</b>	<b>30</b>		<b>142</b>

In the process of streamlining the implementation of CBCS, further modification are decided to carry out on the allocation of papers in appropriate position in accordance with the pattern of Pondicherry University. Since the instant implementation is not possible for the batches (2017-2020 and 2018-2021), it is decided to implement it for the batch 2019-2022 onwards. The modification done for the batch 2017-2020 and 2018-2021 is:

1. Semester II – AECC – Environmental Studies
2. Semester III – AECC – Introduction to Public Administration

The modifications done from the batch 2019-2022 are:

Monetary Economics paper is shifted from Semester II to Semester VI. Modification here refers only to the shifting of paper from one compartment to another without changing the content. Hence the structure of the syllabus from the batch 2019-2022 has been modified in accordance with the pattern of Pondicherry University.

Semester I	DSC – I, DSC – II, AECC – I (Introduction to Public Administration)
Semester II	DSC – III, DSC – IV, AECC – II (Environmental Studies)
Semester III	DSC – V, DSC – VI, SEC – I
Semester IV	DSC – VII, DSC – VIII, SEC – II
Semester V	DSE – I, DSE – II, DSE – III, GE – I, SEC – III
Semester VI	DSE – IV, DSE – V, DSE – VI, GE – II, SEC – IV

**Note:** DSC – Discipline Specific Course, DSE – Discipline Specific Elective, AECC – Ability Enhancement Compulsory Course, GE – Generic Elective, SEC – Skill Enhancement Course.

It is decided to submit the revised compartmentalization to the members of the Board for their approval.

1. Mrs. K. Marcelline Marie Christine, Head of the Department



2. Dr. Gorakh Chawla



3. Dr. N. Umarani



4. Ms. S. Selladouraitchy



5. Mr. Kajor Mal Meena



6. Dr. Joel Basumatary



7. Mr. Shivkumar Harishchandra Shinde



**BHARATHIDASAN GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)**

**DEPARTMENT OF ECONOMICS**

**Minutes**

The Faculty members of the Department who are also the members of Board of Studies are called to give concurrence to shift the paper Monetary Economics from Semester I to Semester VI in order to resolve some technical issues.

The members resolved it and gave their assent to shift the paper Monetary Economics from Semester I to Semester VI. This change will be implemented from 2019-2022 Batch.

1. Mrs. K. Marcelline Marie Christine, Head of the Department

*Marcelline*

2. Dr. Gorakh Chawla

*Gorakh*

3. Dr. N. Umarani

*N. Umarani*

4. Ms. S. Selladouraitchy

*S. Selladouraitchy*

5. Mr. Kajor Mal Meena

*Kajor Mal Meena*

6. Dr. Joel Basumatary

*Joel Basumatary*

7. Mr. Shivkumar Harishchandra Shinde

*Shivkumar*

## 1. Programme Outcome (200 words)

The Department of Economics is offering a B.A. Economics course. The department is working with a vision of developing critical thinking about economic conditions of the country as well as the entire world among its students so that they are equipped with the techniques to find solutions for the day-to-day economic activities in social and ethical manners.

Economics inculcates learners to build up a professional career as Economists, Academicians, Financial advisors, Bankers, Economic planners, Researchers, Entrepreneurs and Policymakers after pursuing their higher studies in this subject.

## 2. Course Outcome

Semester-I			
Sl.No	Code	Paper Title and Code	Course Outcome
	D1101	Micro Economics -I	The outcome of the paper is to understand the economic behavior of individuals, firms and the market. The paper develops the basic understanding of demand analysis, consumer behavior, producer behavior, cost, revenue, traditional markets and equilibrium of firm and industry.
	D1102	Indian Economic Development- I	The outcome of the paper is to develop ideas of basic characteristics of Indian economy, impact of population growth, changing nature of the agriculture sector and achievements of planning among students.
	D9604	Public Administration	The outcome of this paper is to acquaint the students with the functioning of Indian administration at Central, State and Local levels and to make them understand the role of constitutional authorities in Indian administration.
Semester-II			

	D1104	Micro Economics II	The outcome of this paper is to equip the students with a comprehensive understanding of various aspects of consumer behavior, firm behavior, imperfect markets and economic welfare.
	D1105	Indian Economic Development-II	The outcome of the paper is to give a comprehensive understanding to students about economic reforms in India, problems of Indian economy and understanding of India with world economic order.
	D9701	Environmental Studies	The outcome of this paper is to familiarize the students with the environmental system, creating awareness about environmental programs and developing an attitude of concern for the environment and its protection.
<b>Semester-III</b>			
	D1108	Macro Economics I	The outcome of the paper is to discuss the functional relationships between aggregates, to provide basic theoretical foundation of the key issues and policies of the economy as a whole; it helps the students to understand the overall structure of the economy from a theoretical perspective.
	D1109	Mathematics for Economic Analysis	The outcome of the paper is to develop a mathematical approach in analysis of economic problems; it mainly focuses on mathematics techniques such as sets, matrices, derivatives, integration and their applications in economics.
	D1110	International Economics I	The course outcome of this paper is to familiarize the students with advantages of International Trade, basic theories of international trade, terms of trade, balance of payment problems and its adjustment.

<b>Semester-IV</b>			
	<b>D1111</b>	Macro Economics II	The course outcome of the paper is to provide a theoretical foundation of some advanced issues and policies of aggregates, national income, GDP, unemployment, problems of inflation and deflation, business cycles and the tradeoff between them.
	<b>D1112</b>	Statistics for Economic Analysis	The course outcome of the paper is to familiarize the students with basic statistical techniques such as averages, measures of dispersion, correlation, regression and probability with the main reference to data based economic problems.
	<b>D1113</b>	International Economics II	The course outcome of the paper is to familiarize the students with the working of the exchange rate system in worldly order, working of international economic institutions such as WTO, IMF, World Bank and its subsidiaries and the working of various economic integration such as custom union and common market.
<b>Semester-V</b>			
	<b>D1114</b>	Public Economics I	The course outcome of the paper is to highlight the increasing role of government in the present-day economy. This paper aims to generate basic theoretical understanding of students about various aspects of government activities and their rationality; it covers basic concepts of Government revenue, Government expenditure and public debt.
	<b>D1115</b>	Developmental Economics	The outcome of the paper is to familiarize the students with fundamentals of growth and development issues, approaches and models. This paper brings into insight the overall static and



			dynamics of the economy in a theoretical perspective.
	<b>D1116</b>	History of Economic Thought	The course outcome of the paper is to study a chronological understanding of the development of economic thought relating the growth of various schools of thought with their contemporary issues.
	<b>D 1117</b>	Basic Econometrics	The course outcome of the paper is to equip the students with the techniques of statistics and mathematics to estimate economic relationships. It is useful for understanding the interrelationships in the economic variables with greater precision results.
	<b>D9602</b>	Economics for Competitive Examinations I	The course outcome of the paper is to prepare students with various competitive level exams. The course is general elective and is offered to other UG degrees also. The content is a mix of basic concepts of Indian economy, micro macroeconomics, International Economics, financial and banking systems.
<b>Semester-VI</b>			
	<b>D1106</b>	Monetary Economics	The course outcome of the paper is to understand the various concepts of money and money substitutes. The paper also covers consequences of changes in money supply on economic variables such as interest rate, inflation and employment.
	<b>D1118</b>	Public Economics II	The course outcome of this paper is an extension of Public Economics I with advanced level understanding of analysis of public expenditure, taxation, budgetary provisions, stabilization and debt issues.
	<b>D1119</b>	Banking and Insurances	The outcome of the paper is to provide in-depth knowledge of banking, financial and insurance

			systems to the students with practical inputs. The paper prepares students to participate as a responsible citizen with relevant banking and insurance knowledge and skills.
	<b>D1120</b>	Women and Development	The course outcome of the paper is to educate the students about the need and the programs of women empowerment and development; National policies and constitutional protection for women empowerment. The paper highlights the role of women in society with insight into the process of protection of women health and environment.
	<b>D9608</b>	Economics for competitive Examinations II	The course outcome of the paper is an extension of Economics for competitive examinations I with the advanced level understanding of Indian economy, micro economics, macroeconomics, finance and banking system.

### 3. Course Guidelines

- Updating the course in the basis of new researches and discoveries.
- Covering the main currents of Economics which would give wide opening to the students to choose the area of study in Post Graduate or research level.
- Proving academic flexibility to the students by offering options.

•

#### 4.1. Course Distribution

The Choice-Based Credit System (CBCS) is being implemented in the college from the Academic year 2016-2017. The scheme was prepared on the model of the CBCS scheme proposed by UGC.

Category	No. of Papers	Credits	Total Credits
Part I (Language)	4	3	12
Part II (English)	4	3	12
DSC – (Discipline Specific Course)	8	6	48
DSE – (Discipline Specific Elective)	5	6	30
	1	4	4
SEC – (Skill Enhancement Course)	4	4	16

AECC – (Ability Enhancement Course)	2	2	04
GE – (Generic Elective)	2	3	06
<b>Total</b>	<b>30</b>	<b>-</b>	<b>132</b>

#### 4.2 Course distribution Semester wise - B.A./B.Sc./B.Com

Semester	PART I Language	PART II English	DSC	DSE	SEC	AECC	GE
I	01	01	2		-	01	-
II	01	01	2			01	-
III	01	01	2		01	-	-
IV	01	01	2		01	-	-
V	-	-	-	3	01	-	01
VI	-	-	-	3	01	-	01
<b>Total</b>	<b>04</b>	<b>04</b>	<b>8</b>	<b>6</b>	<b>04</b>	<b>02</b>	<b>02</b>

Total No. of Papers 30

#### 4.3 Credits for each Semester

Semester	
I	20
II	20
III	22
IV	22
V	25
VI	23
<b>Total</b>	<b>132</b>

#### 4.4. Course Structure

##### Semester I

Sl No	Course Code	Course Category	Course Title	Credits	Lecture/Tutorial Hours
1	D9201/D9301/D9501	Part I	Tamil/Hindi/ French- I	3	3+3
2	D9001	Part II	English- I	3	3+3
3	D1101	DSC- I	Micro Economics I	6	6+2
4	D1102	DSC- II	Indian Economic Development I	6	6+2
5	D9604	AECC-I	Introduction to Public Administration	2	2+2
<b>Total Credit</b>				<b>20</b>	<b>30</b>

##### Semester II

Sl No	Course Code	Course Category	Course Title	Credits	Lecture/Tutorial Hours
1	D9202/D9302/D9502	Part I	Tamil/Hindi/ French- II	3	3+3

2	D9002	Part II	English- II	3	6+2
3	D1104	DSC- III	Micro Economics II	6	6+2
4	D1105	DSC- IV	Indian Economic Development II	6	2+2
5	D9701	AECC- II	Environmental Studies	2	20
<b>Total Credit</b>				20	30

### Semester III

Sl. No	Course Code	Course Category	Course Title	Credits	Lecture/Tutorial Hours
1	D9203/D9303	Part I	Tamil/Hindi/ French- III	3	3+3
2	D9003	Part II	English- III	3	3+3
3	D1108	DSC- V	Macro Economics I	6	6+1
4	D1109	DSC- VI	Mathematics for Economic Analysis	6	6+1
5	D1110	SEC-I	International Economics I	4	4+2
<b>Total Credit</b>				22	30

### Semester IV

Sl. No	Course Code	Course Category	Course Title	Credits	Lecture/Tutorial Hours
1	D9204/D9304/D9504	Part I	Tamil/Hindi/ French- IV	3	3+3
2	D9004	Part II	English- IV	3	3+3
3	D1111	DSC- VII	Macro Economics II	6	6
4	D1112	DSC- VIII	Statistics for Economic Analysis	6	6
5	D1113	SEC-II	International Economics II	4	4+2
<b>Total Credit</b>				22	30

### Semester V

Sl. No	Course Code	Course Category	Course Title	Credits	Lecture/Tutorial Hours
1	D1114	DSE- I	Public Economics I	6	6
2	D1115	DSE- II	Developmental Economics	6	6
3	D1116	DSE- III	History of Economic Thought	6	6
4	D 9602	GE (Generic Elective)- I	Economics for Competitive Examinations I <i>(For Other Discipline also)</i>	3	3+3
5	D1117	SEC- III	Basic Econometrics	4	4+2
<b>Total Credit</b>				25	30

### Semester VI

Sl. No	Course Code	Course Category	Course Title	Credits	Lecture/Tutorial Hours
1	D1106	DSE- IV	Monetary Economics	4	4+2
2	D1118	DSE- V	Public Economics II	6	6
3	D1119	DSE- VI	Banking and insurances	6	6

4	D9608	GE (Generic Elective)- II	Economics for Competitive Examinations II <i>(For Other Discipline also)</i>	3	3+3
5	D1120	SEC- IV	Women and Development	4	4+2
<b>Total Credit</b>				<b>25</b>	<b>30</b>

## 5. Regulations

### 5.1. Eligibility for Admission

H.Sc, (+2) or its equivalents.

### 5.2. Duration of the course

The course duration is Three Academic Years, containing of Six Semester.

### 5.3. Medium of Instruction

The Medium of Instruction is in English.

### 5.4. Scheme of Examination

The End-Semesters Examination for each course carry the Maximum of 75 marks and continuous Internal Assessment for 25 marks.

### 5.5. Components of internal Assessments

(Announced/Unannounced Test)- 5 Marks

Assignment - 5 Marks

Attendance - 5 Marks

Model Examinations - 10 Marks

**Total = 25 Marks**

### 5.6. Attendances Scales

96% to 100% - 5

91% to 95% - 4

86% to 90% - 3

81% to 85% - 2

76% to 80% - 1

Below 75% - Admissible for the Examination with Condonation fee.

Below 60% - Not admissible to appear for the Examination.

### 5.7 Criteria for 'Pass Mark'

Minimum Pass Mark - 40

No Minimum Pass Mark for Internal Assessment

Minimum Pass Mark for ESE - 30

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Course : B.A. ECONOMICS

Semester : I Economics Core Course (ECC) Paper – I

**MICRO ECONOMICS – I**

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

**UNIT - I Introduction**

Nature and Scope of Micro economics - Importance and limitations of micro economics - Micro statics - Micro dynamics - Comparative Statics - Concept of equilibrium- Partial Vs General equilibrium- Price mechanism.

**UNIT - II Consumer Behaviour**

Utility analysis- Cardinal Approach- Demand and Law of demand – Derivation of demand curve- Ordinal Approach- Indifference curve - Consumer equilibrium- Price, Income and Substitution Effect (Hicks and Slutsky) - Comparison of cardinal and ordinal – Elasticity of demand - Types- Measurement of Elasticity of demand- Consumer's Surplus- Engle's curve.

**UNIT -III Elasticity and Supply**

Elasticity of demand - Types- Measurement of Elasticity of demand- Consumer's surplus – Engle's curve- Supply and Law of Supply – Elasticity of supply.

**.UNIT -IV Production Function**

Basic ideas relating to production functions- Factors of production - Land and Capital- Capital Formation - Labour and organization- Division of Labour and specialization- functions of entrepreneurs.

**UNIT -V Theories of Production**

Laws of Production- Law of Variable Proportions- Returns to scale- Economics of scale - Isoquants and producers equilibrium - Cobb-Douglas Production function- factor substitution and elasticity of factors substitution.

**References:**

1. Koutsoyianous. A (2010), Modern Micro Economics, Tata Mcgraw Hill.
2. Ahuja. H.L. (2012) Principles of Micro Economics- Chand and Company Ltd, New Delhi.
3. Jhingan. M.L., ( 2010) Micro Economic Theory, Vrinda Publications (P) Ltd., Delhi.
4. Stonier A.W., and Hague D.C.,- A text Book of Economic Theory, ELBS & Long Man group, London.
5. Trivedi D.N., Micro economic theory and policies, (3<sup>rd</sup> edition) Tata Mcgraw Hill Education Private Ltd., New Delhi.

Course : B.A. ECONOMICS

Semester : I Economics Core Course (ECC) Paper – II

### INDIAN ECONOMIC DEVELOPMENT – I

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Introduction:

Sectoral Components of An Economy - Characteristics of Indian Economy –Growth Indicators of Indian Economy - Meaning of a Growth model - Issues, Meaning and Role of National Income and GDP in measuring Economic growth.-Capital Formation and Economic Development

#### UNIT II - Demography and Development

Population Trends in India – Meaning of I M R, Death Rate , Life Expectancy Rate , Fecundity Rate- Population Problems and prospects in India- Population Control Measures in India since 1951-Population Projection – Young India in 1930 - Population Pyramid-Meaning of Work force- Organized and Un organized Labour force in India - Meaning and components of HRD – Meaning and Components of Human Development Index ( UNDP-2001)

#### UNIT III - Agriculture and Development

Agriculture in Indian Economy – Problems faced by Indian Agriculture -New strategy in Agriculture (Green Revolution-I, II, and introduction of GMS (Genetically Modified Seeds) - Problems in Introducing GMS in India.- Problems of Agriculture - Marketing - Problems in the Agricultural Growth Rate in India-Rural Indebtedness - NABARD and Agriculture - Finance structure in India – Meaning and necessity of Agro – based Industries

#### UNIT IV - Industry and Development

Importance of Industrial Development in India – Classification of Indian Industries - Problems faced by Industrial sector - Role of MNC in Indian Economy - Issues and Necessity of Industrial Finance - IDBI and PSU - Meaning and role of Foreign Direct Investment in Indian Economy - FDI in Retail - Industrial Policy Since 1991 - Objectives of Industrial Estates, Economic Zones, IT Corridors - Make in India - Private sector Vs Public Sector - Industrial Development scenario after Economic Reforms of 1991.

## **UNIT V - Social Infra structure and Development**

Role of Education, Public Health Care Delivery System in Indian Economic Development - Issues in the Indian Educational System - Meaning and Importance of Public Health Care and Corporate Health Care in India - Objectives of Right to Education Act- Objectives and role of NRHM in Rural Health Care – Importance of Road and Transport in Economic Development - Role of Communication in Economic Development – IT revolution and Economic Development.

### **References:**

1. Sen A. N. (2005) ' Human Rights and Capabilities,' Journal of Human Development
2. Dhingra I.S. (2008), Indian Economy, Asian publications, New Delhi.
3. Zachirah K. and Irudaya Rajan (2005), Unemployment in Kerala, The turn of the centenary insights from migration studies, Working paper No. 374, CDS, Thiruvananthapuram.
4. Agarwal, H.S., (2000) Principles of Economics, Shiva Lal Agarwala Company, Agra, India.
5. Economic survey of India, (2004, 2006, 2010, 2015), Planning commission, Govt of India, New Delhi.
6. UNDP 2007/08; Human Development Report, New York.
7. Dreze, Jean and Amartya Sen (1989) Hunger and Public Action, Oxford; Clarendon press.
8. Tilak B.G.J Jandhyala (2002) Development and change, January – June 2002, MIDS, Chennai.
9. Ramesh Singh (2015) Indian Economy for Civil Service Examination VI edition e-book

### **Questions paper pattern**

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Section C - 3 questions out of 5 questions carrying 10 marks(3x10=30)



ENVIRONMENTAL STUDIES (AECC-II)

CIA - 25

ESE - 75

Total - 100

**Unit I Introduction to environmental studies and Ecosystems**

Multidisciplinary nature of environmental studies; • Scope and importance; Concept of sustainability and sustainable development. Ecosystem-Structure and function of ecosystem. Food chains, food webs and ecological succession: Forest ecosystem, Grassland ecosystem, Desert ecosystem, Aquatic ecosystems.

**Unit-II Natural Resources**

Land resources- Land degradation- soil erosion and desertification-Causes and impacts due to mining, dam building on environment-, Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water. Energy resources: Renewable and non renewable energy sources, use of alternate energy sources, growing energy needs.

**Unit-III Biodiversity and Conservation**

Genetic, species and ecosystem diversity; Biodiversity patterns and global biodiversity hot spots- India as a mega-biodiversity nation-Endangered and endemic species of India- Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions-Conservation of biodiversity- nature reserve, tribal population and rights.

**Unit- IV Environmental Pollution**

Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution- Nuclear hazards and human health risks • Solid waste management : Control measures of urban and industrial waste.

**Unit-V: Environmental Policies**

Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture-Environment Protection Act; Wildlife Protection Act; Forest Conservation Act. Montreal and Kyoto protocols and Convention on Biological Diversity.

**Text Books:**

- Environmental Studies: Erach Bharuch, 1<sup>st</sup> Ed. Universities Press, 2005.
- Environmental and Ecology, Anil K.Dey & Anab K.De, 1<sup>st</sup> Ed., New Age International, 2009.
- Environmental Science and Engineering, Anubha Kaushik, 5<sup>th</sup> Ed, New Age International, 2016.
- Essential; of Ecology and Environmental Science, Rana, 5<sup>th</sup> Ed., PHI, 2013.

**Books for reference:**

- Fundamentals of Ecology, Eugene P. Odum and W.B.Saunders, 1<sup>st</sup> Ed, London, 1971.
- Environmental Science, Tyler Miller, 14<sup>th</sup> Ed., Cengage, 2014.
- Environmental Science, Botkin and Keller, 8<sup>th</sup> Ed., Wiley India, 2009.
- Environmental Studies, From Crisis to Cure, Rajgopalan, 3<sup>rd</sup> Ed., Oxford University Press, 2015.

Course : B.A. ECONOMICS

Semester : II Economics Core Course (ECC) Paper – III

### MICRO ECONOMICS - II

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Cost and Revenue

Types of Costs- Short run and Long run Cost curves – Revenues - Average and Marginal revenues - Relation between AR and MR curves- AR, MR and Elasticity- Condition of equilibrium of a firm.

#### UNIT II - Market Structure and Equilibrium

Perfect Competition- Characteristics- Time Element Theory- Equilibrium of a firm- Short run and Long run- Imperfect Competition- Price and output determination under Monopoly- Price discrimination and measure of monopoly power- Control and regulation of Monopoly. Monopolistic Competition- features of monopolistic Competition- Price and Non price competition- group equilibrium- Oligopoly- features- collusive Oligopoly- Price leadership- Kinked demand curve

#### UNIT III- Methods of Practical Pricing

Markup pricing- break even pricing- Rate of return Pricing- Peak Load Pricing- Variable Cost Pricing- Going rate pricing – Administered Pricing- Minimum Support Price.

#### UNIT IV - Theory of Distribution

Marginal Productivity theory- Wages- Types of Wages- Theories of Wages- Euler's theorem- Rent- Ricardian and Modern theory of Rent- Quasi-rent- Interest- Lovable fund theory and Keynes liquidity preference theory- Profit- Gross and Net Profit-Innovation risk and uncertainty theories.

#### UNIT V - Welfare economics and Walrasian Equilibrium

Definition- Pareto's Marginal Conditions of Efficiency- Walra's General equilibrium.

#### References:

1. Koutsoyianous. A (2010), Modern Micro Economics, Tata Mcgraw Hill.
2. Ahuja. H.L. (2012) Principles of Micro Economics- Chand and Company Ltd, New Delhi.
3. Jhingan. M.L., ( 2010) Micro Economic Theory, Vrinda Publications (P) Ltd., Delhi.
4. Stonier A.W., and Hague D.C.,- A text Book of Economic Theory, ELBS & Long Man group, London.
5. Trivedi D.N., Micro economic theory and policies, (3<sup>rd</sup> edition) Tata Mcgraw Hill Education Private Ltd., New Delhi.

(B.A. Economics)

Course : B.A. ECONOMICS

Semester : II Economics Core Course (ECC) Paper – IV

### INDIAN ECONOMIC DEVELOPMENT -II

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Issues in Development

Women issues and Economic Development- Women empowerment- Urbanisation- Meaning- Economic Consequences- Migration- Meaning and reasons-Unemployment- Meaning and Types.

#### UNIT II - Income Inequality and Development

Poverty- Meaning- Causes and Types of poverty- Vicious circle of Poverty- Meaning and Problems of Income inequality.

#### UNIT III - Planning and Development

Importance- Meaning- Types and Objectives of Five-Year Plans in India- Meaning of Plan Holidays – objectives of National Development Council (NDC) - Economic Survey – Meaning and objectives- Recent Development in Indian Planning.

#### UNIT IV - Economic Reforms and Development

Structural change and Economic Reforms of 1991- Impact of Economic Reforms on Indian Agriculture Sector- Meaning and Objectives of Tax Reforms in India- Objectives of GST- Millennium Development Goals (2000-2015) and its objectives- Meaning and necessity for sustainable Development Goals Agenda (2015).

#### UNIT V - Social Security Measures and Development

Objectives and necessity for Social Security Measures in India- Right Based Programmes - Meaning and objectives of Right to Information Act- Right to Education Act- Right to Employment Act (MNREG)- Right to Health (NRHM) and Food Security Bill-

#### References:

1. Sen A. N. (2005) ' Human Rights and Capabilities,' Journal of Human Development
2. Dhingra I.S. (2008), Indian Economy, Asian publications, New Delhi.
3. Zachirah K. and Irudaya Rajan (2005), Unemployment in Kerala, The turn of the centenary insights from migration studies, Working paper No. 374, CDS, Thiruvananthapuram.
4. Agarwal, H.S., (2000) Principles of Economics, Shiva Lal Agarwala Company, Agra, India.

Course : B.A. ECONOMICS

Semester : II Ability Enhancement Compulsory Course (AECC) Paper – II

Paper Code:

### MONETARY ECONOMICS

Hours of instruction / Week :

Theory : 6 Hours

Credits : 4

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Money

Money- Evolution of money- Kinds of money- Money and Near money- Functions of money- Monetary standards and Gresham's law – Money in a modern economy.

#### UNIT II - Theory of Money and its Variants

Meaning and value of money – Fisher's quantity Theory of money – Cash Transactions approach – The Cambridge equation – The Cash Balance Approach.

#### UNIT III - Demand and Supply of money

Demand for money – Classical – Keynes and Friedman's approach

Supply for money – Components and determinants – H-theory of money supply

Money multiplier – Concepts and determinants.

#### UNIT IV - Inflation and Unemployment

Inflation – Causes – Consequences and Remedial measures - Inflation and Unemployment Trade off – Philips curve – NAIRU – Stagflation - Business Cycle – Phases – Causes and control.

#### UNIT V - Central banking and monetary policy

Central bank – Functions - Monetary policy – Goals – Targets –Indicators and Instruments of Monetary control – Current monetary policy of India.

#### References:

1. LEWIS, M.K. & MIZAN, P.D., Monetary Economics, Oxford University Press
2. M.C. Vaish, Monetary Theory, Vikas Publishing House.
3. Gupta, S.P.. (1994), monetary Economics, S Chand and Company, New Delhi
4. Jhingan M.L.(2015). Monetary Economics, S.Chand and Company, New Delhi..

#### Questions Paper pattern

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Sections C - 3 questions out of 5 questions carrying 10 marks (3x10=30)

Course : B.A. ECONOMICS

Semester : III Economics Core Course (ECC) Paper – V

Paper Code:

### MACRO ECONOMICS - I

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Introduction

Nature and scope of Macro Economics- Micro economics Vs Macro economics –Importance of Macro economics- Economic models – Variables – Relationships – Statics - Comparative Statics and Dynamics- Stock and Flow.

#### UNIT II - National Income

Meaning – concepts of national income – GNP-GDP- NNP- NI- PI-DPI- PCI – Methods – Difficulties – Significance – Circular flow of income in Two and Four sector model - National income and Economic welfare .

#### UNIT III - Classical Theory

Classical Theory of Output and Employment – Say’s Law – Pigou’s effect – criticisms of Classical model – Classical dichotomy

#### UNIT IV - Keynesian theory

Principle of effective demand – Aggregate demand function – Aggregate supply function – Determination of under employment equilibrium – Determinants of aggregate demand – Government and aggregate demand.

#### UNIT V - Consumption Function

Psychological law of consumption - APC - MPC - determinants of consumption – Theories of Consumptions - Absolute Income Hypothesis - Relative Income Hypothesis – Life Cycle Hypothesis – Permanent Income Hypotheses.

#### References:

1. M. L. Jingan, Macro Economic Theory, Vrinda Publications
2. D.N. Dwivedi, Macro Economics: Theory and Policy, Tata McGraw-Hill Publications
3. Gregory Mankiw, Principles of Macro Economics, Cengage Learning India Pvt. Ltd

#### Questions Paper pattern

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Sections C - 3 questions out of 5 questions carrying 10 marks (3x10=30)

**Course : B.A. ECONOMICS**

**Semester : III Economics Core Course (ECC) Paper – VI**

**Paper Code:**

**MATHEMATICS FOR ECONOMIC ANALYSIS**

**Hours of instruction / Week :**

**Theory : 6 Hours**

**Credits : 6**

**Max. Marks : 100**

**CIA : 25**

**ESE : 75**

**UNIT I – Preliminaries**

Sets and set operations - functions and graphical representations - slope and intercept - straight line and its applications.

**UNIT II - Matrices and determinants**

Matrices - Concepts - types - matrix algebra – transpose - determinants and its properties and inverse - Solution to a system of equations by using matrix inversion method and crammer's rule - Input - output model - basic concepts and solution for equilibrium output in a two industry model.

**UNIT III - Derivative of a function**

Rate of change and derivative - Rules of differentiation for a function of one variable- Applications in total, average and marginal functions - Higher order differentiation- Differential calculus of two variables - partial differentiation and total differentiation

**UNIT IV - Optimisation**

Maxima and Minima of one variable-point of inflexion - Maxima and Minima of two variables- consumer's equilibrium – cardinal utility approach and indifference curve approach- Producer's equilibrium – necessary and sufficient conditions  
Elasticity of demand – relationship between TR, AR, MR and elasticity

**UNIT V - Integration**

Rules of integration - definite integration - application of integration in economics – cost functions and revenue functions – present value of a continuous stream of income - consumer's surplus and producer's surplus.

**References:**

1. Knut Sydsaeter, Peter J. Hammond, Mathematics for Economic Analysis, Prentice Hall
2. D. Bose, An introduction to mathematical economics, Himalaya Publishing House, Mumbai
3. Geoff Renshaw, Maths for economics, Oxford University Press

Course : B.A. ECONOMICS  
Semester : III Skill Enhancement Course (SEC) Paper – III  
Paper Code:

### INTERNATIONAL ECONOMICS - I

Hours of instruction / Week :	Max. Marks : 100
Theory : 6 Hours	CIA : 25
Credits : 4	ESE : 75

#### UNIT I - Introduction to international economics

Importance and subject matter of International economics - Globalization of the world economy - Implication and impact- Analytical tools - Production Possibility Curve - Community indifference curve - Price ratio curve and offer curve.

#### UNIT II - International trade theories

Absolute advantage - comparative advantage - opportunity cost and Heckscher – Ohlin theories

#### UNIT III - Terms of trade

Different measures of terms of trade - Factors affecting the terms of trade - Secular deterioration of terms of trade - Singer- Prebisch theory - Effects of growth on terms of trade - Immiserizing growth.

#### UNIT IV - Balance of payments

Balance of trade and balance of payments - Balance of Payments on Current and Capital account - Meaning and components – Overall balance of Payments- Balance of Payments accounting Principle.

#### UNIT V - Balance of Payments Adjustments

Equilibrium and Disequilibrium of Balance of Payments- Factors and Correction mechanism- Devaluation- Elasticity and Income Absorption Approach.

#### References

1. M. L. Jingan, International Economics, Vrinda Publications
2. Francis Cherunilam, International Economics, Tata McGraw-Hill Publications
3. Dominic Salvator, International Economics, Wiley India
4. Mannur, H.G.,(2012), International Economics
5. Paul Krugman and Maurice Obstfeld (2010) International Economics:Theory and policy,Pearson Education low-price edition,distributed in Indiaby Addison Wesley Longman.

#### Questions Paper pattern

Section A - 10 questions out of 12 questions carrying 2 marks	(10x2=20)
Section B - 5 questions out of 8 questions carrying 5 marks	(5x5=25)
Sections C - 3 questions out of 5 questions carrying 10 marks	(3x10=30)

Course : B.A. ECONOMICS

Semester : IV Economics Core Course (ECC) Paper – VII

Paper Code:

**MACRO ECONOMICS - II**

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

**UNIT I - Investment function**

Meaning- Types- Autonomous and Induced- Determinants of investment – Marginal efficiency of capital and rate of investment – Factors influencing MEC- criticism.

**UNIT II - Multiplier**

Meaning- working – leakages – importance –types- Employment multiplier- Foreign trade multiplier- Balanced Budget Multiplier.,

**UNIT III - Super multiplier**

Simpler accelerator- Working of accelerator – Leakages effect.

**UNIT IV- ISLM Model**

Goods market equilibrium – IS Curve – Shift in IS curve – Money market equilibrium – LM curve – Shifts in LM curve- Simultaneous equilibrium of goods and money market equilibrium- criticism.

**UNIT V - Keynesian Economics and Under Developed Economics**

Causes and nature of unemployment in under developed countries- Unrealistic assumptions made in Keynesian theory- Keynesian multiplier and under developed countries – Relevance of Keynesian theory of growth in under-developed countries.

**References:**

1. M.L. Jhingan, Macro Economic Theory, Virnda Publications
2. D.N. Dwivedi , Macro Economics: Theory and Policy, Tata McGraw-Hill Publications
3. Gregory Mankiw, Principles of Macro Economics, Cengage Learning India Pvt Ltd.
4. Vaish, M.C. (2000), Macro Economic Theory, Wiley Eastern Ltd., New Delhi.
5. Mithani, D.M., (1981), Macro Economic Analysis and Policy Oxford & IBH, New Delhi.

**Questions Paper pattern**

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Sections C - 3 questions out of 5 questions carrying 10 marks (3x10=30)



**Course : B.A. ECONOMICS**

**Semester : IV Economics Core Course (ECC) Paper – VIII**

**Paper Code:**

### STATISTICS FOR ECONOMIC ANALYSIS

**Hours of instruction / Week :**

**Theory : 6 Hours**

**Credits : 6**

**Max. Marks : 100**

**CIA : 25**

**ESE : 75**

#### **UNIT I - Introduction**

Definition- scope and limitations of Statistics- Data- Quantitative and Qualitative – Nature of data- Time series – Cross Section and Panel data –

Sources of Data- Primary and Secondary data – Methods of collecting data- Census and Sampling – Diagrammatic and graphical representation of data. .

#### **UNIT II - Measures of Central Tendency and Dispersion**

Measures of central tendency- Mean- Median – Mode- Geometric mean- Harmonic mean- merits and demerits. Measures of dispersion- Range – Quartile Deviation- Mean Deviation and Standard Deviation- Meaning of Relative Dispersion- Co-efficient of variation- Lorenz Curve.

#### **UNIT III - Correlation and Regression**

Concept of correlation – Types of correlation – Scatter Diagram- Coefficient of Simple Correlation- Properties – Karl Pearson's correlation coefficient-Spearman's Rank Correlation. Regression analysis – Regression Lines – Regression equation X on Y and Y on X.

#### **UNIT IV - Time Series Analysis**

Definition and components of Time Series – Measurement of Trend by Moving Average and the Method of Least Squares.

#### **UNIT V - Index Numbers**

Index Numbers- Meaning- Uses and Types – Weighted Index Numbers- Laspeyre's –Passche's – Fisher's Methods – Problems in constructing Index Numbers – Special Purpose Indices- Wholesale Price Index- Consumer price index.

Course : B.A. ECONOMICS

Semester : IV Skill Enhancement Course (SEC) Paper – IV

Paper Code:

**INTERNATIONAL ECONOMICS - II**

Hours of instruction / Week :

Theory : 6 Hours

Credits : 4

Max. Marks : 100

CIA : 25

ESE : 75

**UNIT I - Exchange rate**

Concept- NER and RER – Exchange Rate Systems -Fixed- Flexible and managed floating – Foreign exchange transactions Spot rate and forward rate – futures –options -arbitrage. Determination of exchange rate- Mint parity- Purchasing Power Parity and Balance of payments theory.

**UNIT II - Trade policies and Issues**

Free trade Vs protection- Trade barriers- Tariff and Non tariff barriers- Effects of tariff and quota – Effective rate of protection- International capital flows- Classification- Significance and role of foreign capital- Firms in a globalised world- Outsourcing and Multinational enterprises.

**UNIT III - International monetary system**

Gold standard – Bretton woods system and its breakdown- International liquidity- International monetary institutions- IMF, IBRD and WTO.

**UNIT IV - International Economic Co-operation.**

Economic integration- benefits and forms- Economic integration of developing countries- Rational and issues- Theory of Customs union- Static and dynamic effects.

**UNIT V-** Recent trends and composition of India's Foreign Trade – Export promotion and substitution.

**References:**

- 1.Francis Cherunilam, International Economics, Tata McGraw-Hill Publications.
- 2.M.L.Jhingan, International Economics, Vrinda Publications.
- 3.Dominic Salvator, International Economics, Wiley India.
4. J.M. Mithani (2014), International Economics, Himalaya Publishing House, Mumbai.

**Questions Paper pattern**

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Sections C - 3 questions out of 5 questions carrying 10 marks (3x10=30)

(B.A. Economics)

Course : B.A. ECONOMICS  
Semester : V Economics Core Course (ECC) Paper – IX  
Paper Code:

### PUBLIC ECONOMICS– I

Hours of instruction / Week :  
Theory : 6 Hours  
Credits : 6

Max. Marks : 100  
CIA : 25  
ESE : 75

#### UNIT I

Nature and Scope of public Finance- Role of the Government in Economic activity- Musgrave's Three functions of Government: Allocation- Distribution and Stabilization – Market Failure - Private, Public and Merit goods.

#### UNIT II

Cannons of Taxation - Theories of Taxation-Ability to Pay Approach and Benefit principles of taxation (Lindhal)- Principles of Maximum Social Advantage -Types of Taxes – Characteristics of good tax system.

#### UNIT III

Taxable Capacity – Absolute and Relative Taxable Capacity –Importance and Significance – Factors Determining Taxable Capacity-Limit of Taxable Capacity –Measurement of Taxable Capacity – Methods of Estimating Taxable capacity – Causes of Low Level of Taxation in India – Shifting and Incidence of taxation.

#### UNIT IV

Theories of Public expenditure – Wager's law of State Activities – Peacock-Wiseman hypothesis- Samuelson theory of public good -Basics of Cost- Benefit Analysis- Effects on Savings- Investment and Growth.

#### UNIT V

Deficit Financing – Concepts of deficits – Need and Impact of deficit financing - Monetarist versus Keynesian views- Pattern of Deficit financing- Public debt management and implication for growth – inflation and interest rate.

#### References:

1. Musgrave, R.V. and P.B. Musgrave ; Public finance in underdeveloped countries , Mc GrawHill Ltd., New Delhi.
2. B.P. Tyagi,2017-18, Public Finance, Jai Prakash Publications.Meerut.
3. Lekhi, R.K,. Public Finance,Kalyani Publishers, New Delhi.
4. Jha. R. (1998), Modern Public Economics,Routledge, London.

(B.A. Economics)

Course : B.A. ECONOMICS

Semester : V Economics Core Course (ECC) Paper – X

Paper Code:

**DEVELOPMENTAL ECONOMICS**

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

**Objectives**

To make understand the basic issues relating to the theories and policies of development Economics.

**UNIT I**

Economic Growth and Development- Obstacles to Economic growth- Growth indicators in Indian context- National Income- Per capita Income- GDP- Its relevance in measuring of Economic Growth.

**UNIT II**

Capital Formation – Human development Index- Demographic features and Economic Growth- Theories of Techniques and Economic growth- Agriculture Vs Industrial growth and Economic growth.

**UNIT III**

Growth Theories and its relevance- Karl Marx – Schumpeter Theory of Innovation – Balance Vs Unbalanced Growth Theories- Lewis Unlimited Supply of Labour Theory of growth.

**UNIT IV**

Harrod Domar model- Rosentain Rodan's Big Push Theory – Rostow's stages of economic growth- Inclusive growth model of economic growth.

**UNIT V**

Indian Development Experience- Critical evolution of growth – inequality and competitiveness – Monetary and Fiscal reforms and economic growth.

**References:**

1. Karnati Lingaiah – Economic Growth and Development.
2. Michael P. Todaro and Stephen Smith- Economic Development
3. M.I. Jhinghan – Indian Economy.

**Questions Paper pattern**

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Section C - 3 questions out of 5 questions carrying 10 marks (3x10=30)

Course : B.A. ECONOMICS

Semester : V Economics Core Course (ECC) Paper – XI

Paper Code:

### HISTORY OF ECONOMIC THOUGHT

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I

Early Period Nature and importance of History of economic thought – ancient economic thought – Aristotle, Plato-Medieval economic thought –Mercantilism- Main characteristics – Physiocracy- Main characteristics .

#### UNIT II

Classical Period Adam Smith – David Ricardo – Thomas R. Malthus – German Romantics and Socialists – Sismondi, Karl Marx – Economic ideas of J.B.Say – J.S.Mill – Historical School: Senior, List.

#### UNIT III

Marginalists - The precursors of marginalism – Cournot, Thunen, Gossen – the marginalist revolution – Jevons, Walras and Menger-Bohm-Bawerk, Wicksell and Fisher – the rate of interest – Wicksteed and Weiser – Distribution-Marshall as a great synthesizer – Pigou:welfare economics – Schumpeter- role of entrepreneur and innovations.

#### UNIT IV

J M Keynes and his Contributions A Treatise on Money – The General Theory of Employment-Interest and Money.

#### UNIT V

Indian Economic Thought Early economic ideas: Kautilya- Valluvar – Modern economic ideas: Naoroji- Ranade- R.C.Dutt- Gokhale- J.K.Metha and M.N.Roy – Economic ideas of Gandhi: Village, Swadesi, Place of machine and Labor, Cottage industries, Trusteeship – Early approaches to planning – Cooperation as a strategy – Contributions of Vakil, Gadgil and VKRV Rao – Economic thought of Dr.Ambedkar.

#### References:

1. Bhatia H.L (1994), History of Economic Thought, Vikas Publishing House, New Delhi.
2. Ganguli,B.N(1977), Indian Economic Thought: A Nineteenth Century Perspective, TMH, New Delhi.
3. Roll,Eric - History of Economic Thought.
4. Seshari,G.B (1997), Economic Doctrines,B.R.Publishing Corporation, New Delhi.

Course : B.A. ECONOMICS

Semester : V Economics Core Course (ECC) Paper – XII

Paper Code:

### BASIC ECONOMETRICS

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Introduction

Definition and scope of econometrics - the methodology of econometric research - Statistical relationship vs deterministic relationship – causality and the notion of ceteris paribus in econometric analysis

#### UNIT II - Estimation theory

Theory of Estimation - Parameter and Statistic- Desirable properties of estimators- Unbiasedness- efficiency, consistency and sufficiency- point and Interval Estimates - confidence interval – estimation of a population mean – determining the sample size for the estimation of mean

#### UNIT III - Testing of hypothesis

Testing of Hypothesis- Null Vs Alternative hypotheses- Simple and Composite Hypothesis Procedure for Testing of Hypothesis- Type I and Type II errors- One tailed and Two tailed Tests - level of significance- Degrees of freedom- and power of a Test.- Test based on Z, t, Chi-square and F statistics

#### UNIT IV - Regression Models

Assumptions- Gauss- Markov theorem – testing of regression coefficient – test for regression as a whole – goodness of fit –  $R^2$  and adjusted  $R^2$  - interpreting regression coefficients- estimation of demand and supply functions.

#### UNIT V - Violations of Classical Assumptions

Problems of Multicollinearity- Heteroscedasticity and Autocorrelation – Nature- Consequences- Detection and Remedial Measures.

#### References:

1. D. N. Gujarati Basic Econometrics, McGraw Hill, New Delhi
2. Christopher Dougherty, Introduction to Econometrics, Oxford University Press, Indian edition
3. J. M. Wooldridge, Introductory Econometrics A Modern Approach, Cengage Learning India Private Limited
4. Prem S.Mann, Introductory Statistics, Wiley India (P.) Ltd.

(B.A. Economics)

**Course : B.A. ECONOMICS**

**Semester : V Generic Elective – (GE) Paper – I**

**Paper Code:**

**ECONOMICS FOR COMPETITIVE EXAMINATIONS - I**  
**Offered to Other Department Students**

**Hours of instruction / Week :**

**Theory : 6 Hours**

**Credits : 4**

**Max. Marks : 100**

**CIA : 25**

**ESE : 75**

**Objectives of the Paper:**

1. The basic objective of this paper is to introduce various economic concepts to the students of Other disciplines.
2. Due to lack of knowledge for the preparation of competitive examination, this paper aims to enable the students to have preliminary ideas in economics to face competitive examination with confidence.
3. With the subject focus, the various model question paper of many competitive examination conducted by the different agencies may be considered as the base for this paper.

**UNIT I – Micro Economics**

Consumer Behaviour – Utility Analysis – Cardinal and Ordinal – Demand - Elasticity of Demand and Supply – Cost and Revenue – Market – Perfect – Imperfect – Monopoly – Oligopoly - Monopsony – Bilateral monopoly – Welfare economics.

**UNIT II – Macro Economics and Policies**

National Income – Concepts – Methods – difficulties – Importance - Fiscal Policy – Inflation – types – Effects – Controlling measures – Deflation – Stagflation.

**UNIT III – Inflation and Deflation**

Inflation – Types – effects – measures – Deflation - Stagflation

**UNIT IV – Public Finance**

Tax revenue – Direct tax – Indirect tax – Non tax revenue – Capital Receipts – Revenue Receipts – Expenditure – Revenue expenditure – Capital expenditure – plan expenditure – Non-plan expenditure – Development expenditure – Non development expenditure – Budget – Revenue Deficit – Fiscal Deficit – Types of Budget – Debt – Internal – external.

**UNIT V – International Trade and Institutions**

Balance of Payments – Current A/C – Capital A/C and financial A/C – Trade deficit crisis and policy measures – Foreign Direct Investment – WTO – BRICS Nation – SAARC - IMF – IBRD..

## INTRODUCTION TO PUBLIC ADMINISTRATION

(Compulsory Course designed as per the directions issued by Government of India, MHRD, Department of Higher Education (Central University Bureau) P.No.19-6.2014-Desk U Dated 19-05-2014)

Instruction Method: Lectures and seminars  
Evaluation Method : Written Tests .  
Course duration : One Semester (Two Credits)  
Contact Hours : 2 per week

### Course Rationale

This Course introduces the students to the elements of public administration. This would help them obtain a suitable conceptual perspective on Public Administration. In addition, the course introduces to students, the growth of such institution devices as to meet the need of changing times. The course also aims to instill and emphasize the need of ethical seriousness in contemporary Indian public administration within the Constitutional framework.

#### 1. Introduction:

Meaning, nature and Scope of Public Administration and its relationship with other disciplines- Evolution of Public Administration as a discipline - Woodrow Wilson, Henry Fayol , Max Weber and others - Evolution of Public Administration in India - Arthashastra - Colonial Administration upto 1947

#### 2. Public Administration in India

Enactment of Indian Constitution - Union Government - The Cabinet - Central Secretariat - All India Services - Training of Civil Servants - UPSC - Niti Ayog - Statutory Bodies: The Central Vigilance Commission - CBI - National Human Rights Commission - National Women's Commission - CAG

#### 3. State and Union Territory Administration

Differential Administrative systems in Union Territories compared to States  
Organization of Secretariat: -Position of Chief Secretary, Functions and Structure of Departments, Directorates - Ministry of Home Affairs supervision of Union Territory Administration - Position of Lt.Governor in UT - Government of Union Territories Act 1963 - Changing trend in UT Administration in Puducherry and Andaman and Nicobar Island

#### 4. Emerging Issues in Indian Public Administration

Changing Role of District Collector - Civil Servants - Politicians relationship - Citizens Charter - Public Grievance Reddressal mechanisms - The RTI Act 2005 - Social Auditing and Decentralization - Public Private partnership -

### References:

1. A. R. Tyagi, Public Administration, Atma ram sons, New Delhi, 1983.
2. Appleby P.H, Policy and Administration, The University of Alabama Press, Alabama, 1949.
3. Avasthi and Maheswari, Public Administration in India, Agra: Lakshmi Narain Agarwal, 2013
4. Gerald.E. Caden. Public Administration. Pablidas Publishers, California, 1982.



Course : B.A. ECONOMICS

Semester : VI Economics Core Course (ECC) Paper – XIV

Paper Code:

**PUBLIC ECONOMICS - II**

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

**UNIT I**

Trend and Pattern of Public Revenues - India's public revenue – Taxes of Union, State and Local Governments – Trends in tax revenue – GDP – Tax and distributive justice – Direct Vs Indirect taxes – Tax reforms -Rate and procedure rationalization – VAT in Union and State taxes.

**UNIT II**

Trend and Pattern of Public Expenditure - India's public expenditure – Trend in Union, State and Local Government's public expenditure – public expenditure - GDP – change in the composition of public expenditure – developmental versus non developmental expenditure – plan versus non plan expenditure – revenue account versus capital account – economic and functional classification of public expenditure – Implications.

**UNIT III**

Basics of Budgeting- Constitutional basis for budgeting – process of passing finance and Appropriation Bills in the Parliament - Assembly – CAG and PAC – FRBM – Deficit, Public debt and Monetary management.

**UNIT IV**

Centre - State Financial Relationships - Role of Finance Commission in filling vertical and horizontal fiscal imbalance – Plan transfers and Discretionary transfers – Latest Finance Commission Report of the Union and State Governments.

**UNIT V**

Recent Fiscal Reforms -Latest commentary on India's fiscal policy – Tax reforms- Expenditure pruning- Constitutional Constraints on deficit - Fiscal and Monetary Policy Nexus.

**References:**

1. Goode, R. (1986), Government Finance in Developing Countries, TMH, New Delhi
2. Jha. R. (1998), Modern Public Economics, Routledge, London.
3. Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo
4. Atkinson, A.B. and J.E. Stiglitz (1980), Lectures on Public Economics, TMH, New York.
5. Herber, B.P. (1967), Modern Public Finance, Richard D. Irwin, Homewood.

**Questions Paper pattern**

Section A - 10 questions out of 12 questions carrying 2 marks (10x2=20)

Section B - 5 questions out of 8 questions carrying 5 marks (5x5=25)

Sections C - 3 questions out of 5 questions carrying 10 marks (3x10=30)

Course : B.A. ECONOMICS

Semester : VI Economics Core Course (ECC) Paper – XVI

Paper Code:

### BANKING AND INSURANCES

Hours of instruction / Week :

Theory : 6 Hours

Credits : 6

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Introduction:

Origin of banking- Definition- Banker and customer relationships- General and specific types of customers- Types of deposits- Origin and growth of commercial banks in India- Financial services offered by banks changing role of commercial banks.

#### UNIT II - Global financial crisis and India's banking sector

Banking lending and paying banker- principles of sound lending- secured Vs unsecured advances- types of advances,- advance against – various securities- crossing and endorsement – meaning- definition- types and rules of crossing- collecting bankers, duties, statutory protection for holders is due course -concept of negligence.

#### UNIT III - Interact Banking

Meaning - benefits - home banking mobile bankin,- virtual banking- e- payments- ATM card) Bio metric card,- debit -credit card- smart card,- NEFT- RTGS- ECS ( credit/debit) e-money, electronic purse- digital cash.

#### UNIT IV - Risk

Basic concepts of risk- types of business risk- assessment and transfer- basic principles of utmost good faith- insurable interest – identity- economic function- proximate cause- subrogation and contribution.

#### UNIT V- Insurance

Types of Insurance- life and non life- re insurance,- risk and return relationship power and functions of IRDA- IRDA Act 1999- Banc assurance.

#### References:

- 1.Agarwal, O.P., Banking and Insurance, Himalaya Publishing House
- 2.Satyadevi,C., Financial Services Banking and Insurance, S.Chand
- 3.Suneja, H.R., Practical and Law of Banking, Himalaya Publishing House

Course : B.A. ECONOMICS

Semester : VI Economics Core Course (ECC) Paper – XVII

Paper Code:

### WOMEN AND DEVELOPMENT

Hours of instruction / Week :

Theory : 6 Hours

Credits : 4

Max. Marks : 100

CIA : 25

ESE : 75

#### UNIT I - Introduction

Gender Concepts- Gender and sex- Gender Equity and Gender Equality - Gender Development index-Gender Disparity Index- Nature and Types of Gender discrimination – Gender budgeting - Invisibility of Women's Work in Budgeting

#### UNIT II - Women in India

Demography of female population- Age structure- Education- Fertility rate- Mortality rates and Sex ratio- Concept of Missing Women- Women and work- Invisibility - Unpaid- Productive and unproductive work- - Economic Reforms and changing work pattern- Increasing informalisation and casualisation of women's labor – Programmes central and state government, IRDP – DWACRA – SGSY- shreeshakti - MGNREGA.

#### UNIT III - Gender Discrimination

Gender Discrimination in Labour Force Participation- Occupational Segregation and Wage Differences- Gender Discrimination in Education- Health- Employment- Political Participation and Decision Making.

#### UNIT IV - Gender Issues in Contemporary World

Women and Globalisation- Concept of women empowerment – Women development and empowerment - Social and Economic Empowerment of Women- Technology and Gender- ICT and women – Changing working conditions - Gender digital divide

#### UNIT V - Women Development in Puducherry

Women status in Puducherry – Understanding Demographic indicators related to gender in Puducherry and Global comparison – Sex Ratio, Literacy, Life Expectancy, Maternal Mortality Rate, Infant Mortality Rate, Work Participation Rate – Role of child and women development Department in Puducherry.

#### References:

1. Gita Sen and Canen Crown; Gender and Class in Development Experience
2. Lourdes Beneria and Savithri Biswanath; Gender and Development: Theoretical, Empirical and practical Approaches.
3. Meier, G.M. and J.E. Rauch (2007), Leading Issues in Economic Development, Oxford University Press, New Delhi.

(B.A. Economics)

Course : B.A. ECONOMICS  
Semester : VI Generic Elective – (GE) Paper – II  
Paper Code:

**ECONOMICS FOR COMPETITIVE EXAMINATIONS - II**  
Offered to Other Department Students

Hours of instruction / Week :	Max. Marks : 100
Theory : 6 Hours	CIA : 25
Credits : 4	ESE : 75

**UNIT I – Introduction**

Economic Growth and Development – Indian Economy – Characteristics and Problems – Indian Economy trend in terms of GDP – International Economic crisis and Indian Economy.

**UNIT II – Agriculture**

Agricultural growth Rate, Agri Crisis – Green Revolutions I,II and III generalization – commercialization of Indian Agriculture issues – Indian Rural Economic issues – Programmes and Policy measures for Rural Development.

**UNIT III – Industrial Sector**

Classification of Industries – Rural Industries – Agro-Based Industries – Corporate and MNC in India – growth and contribution to the Indian Economy – Industrial estates – Economic / Industrial zones – IT corridors – Industrial Policy.

**UNIT IV – Issues in Indian Economy**

Indian Economy and MDG / SDG women issues and problems – Government Policy oil pricing and Infrastructure Development communication revolution in India – Income Inequality – issues and measures – corruption Vs Black money in India – Impact of Demonitisation and GST in Indian Economy.

**References:**

1. I.S. Dhingra, Indian Economy
2. Sen Amartya, Freedom for Development, Oxford publications, London
3. Government of India, Economic Survey 2011 & recent
4. M.L. Jhingan, Indian Economy
5. Ram L. Chugh, J.S. Uppal, Black economy in India, Tata Mcgraw, Hill, Publishing company Ltd, New Delhi.
6. Rao S.R.K., BookHive's objective type self review, Economics (inclusive Indian Economy with latest statistical data), Cosmos Book Hive (P) Ltd., New Delhi.

**Question Paper Pattern:**

Section A- 15 questions of objective type each carrying 1 mark	(15x1=15)
Section B- 5 questions out of 8 questions each carrying 6 marks	( 5 x 6=30)
Section C- 3 questions out of 5 questions each carrying 10 marks	(3 x10=30)