

**KALAI GNAR KARUNANITHI GOVERNMENT ARTS COLLEGE  
FOR WOMEN(AUTONOMOUS)**

(Affiliated to Bharathidasan University & Reaccredited with B<sup>++</sup> by NAAC)

**Sathiyamoorthi Road,  
PUDUKKOTTAI - 622 001**



**BOARD OF STUDIES 2022**

**PG & RESEARCH DEPARTMENT OF ECONOMICS**

31/03/2021

**KALAIIGNAR KARUNANIDHI GOVERNMENT ARTS COLLEGE FOR  
WOMEN, (A) PUDUKKOTTAI.  
(RE-accredited with B++ By NAAC), Pudukkottai- 622 001  
PG & Research Department of Economics.**

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**Board of Studies Meeting**

Date: 30/05/2022

Venue: Economics Department

Time: 10.00 am.

**Agenda**

Item – 1: To Approve the choice based credit system syllabus for B.A Economics for the year 2022- 2023.

Item – 2: To approve the choice based credit syllabus for M.A Economics for the year 2022- 2023.

Item – 3: To approve the choice based credit syllabus for M. Phil Economics for the year 2022- 2023.

Chairperson

**KALAI GNAR KARUNANIDHI GOVERNMENT ARTS COLLEGE FOR  
WOMEN, (A) PUDUKKOTTAI.**

**(RE-accredited with B++ By NAAC), Pudukkottai- 622 001**

**PG & Research Department of Economics.**

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Submitted to the Principal.

SUB: Minutes of the meeting - Board of Studies – Placing at Academic Council – For Approval – Reg

Minutes of the meeting of Board of studies, Department of Economics, Kalaignar Karunanidhi Government Arts College for Women (Autonomous), Pudukkottai is held on 30<sup>th</sup> May 2022 at 10.00 am in the Department of Economics.

**Members Present:**

- |                         |    |                    |
|-------------------------|----|--------------------|
| • Mrs. N.S. Sumathi     | -- | Chairman           |
| • Dr. R. Rajendran      | -- | University Nominee |
| • Dr. S. Rajendran      | -- | Subject Expert     |
| • Dr. T. Indra          | -- | Subject Expert     |
| • Mrs.M. Raja Maheswari | -- | Industrialist      |
| • Dr. D. Pushpalatha    | -- | Member             |
| • Dr. R. Kunjammal      | -- | Member             |
| • Dr. J. Shyamaladevi   | -- | Alumini            |

The following resolutions are passed in the meeting

Item – 1:

To approve the choice based credit system, course pattern, syllabus and question paper pattern for B.A Economics for the year 2022- 2023.

Resolved to approve the choice based credit system, course pattern, syllabus and question paper pattern for B.A Economics for the year 2022- 2023.

Item – 2:

To approve the choice based credit system, course pattern, syllabus and question paper pattern for M.A Economics for the year 2022- 2023.

Resolved to approve the choice based credit system, course pattern, syllabus and question paper pattern for M.A Economics for the year 2022- 2023.

Item – 3:

To approve the choice based credit system, course pattern, syllabus and question paper pattern for M.Phil Economics for the year 2022- 2023.

Resolved to approve the choice based credit system, course pattern, syllabus and question paper pattern for M.Phil Economics for the year 2022- 2023.

Members Present:

- Mrs. N.S. Sumathi -- Chairman
- Dr. R. Rajendran -- University Nominee
- Dr. S. Rajendran -- Subject Expert
- Dr. T. Indra -- Subject Expert
- Mrs. M. Raja Maheswari -- Industrialist
- Dr. D. Pushpalatha -- Member
- Dr. R. Kunjammal -- Member
- Dr. J. Shyamaladevi -- Alumini

**KALAIIGNAR KARUNANITHI GOVERNMENT ARTS COLLEGE FOR WOMEN,(A)PUDUKKOTTAI  
(RE-accredited with B++ By NAAC), Pudukkottai- 622 001.**

**Department of Economics**

**Board of Studies meeting for UG on 30/05/2022 Time: 10: am  
2022-2023.**

**The Board resolved to approve the common course pattern recommended by  
Bharathidasan University. After thorough discussion the Board framed the syllabi for UG to be offered under CBCS  
from the Academic year 2022-23 on wards.**

**Mode of Evaluation for Part III and Part**

**The CIA Marks 25 and the Semester Examination Marks 75**

**Part – A ( No – Choice) 10x2=20**

**Part- B ( Either –or) 5x5=25**

**Part C ( Open – Choice ) 3x10=30**

**Submitted to the Principal:**

S.NO	Status	Name of the Experts	Signature
1	Chairman	Mrs. N.S. Sumathi Associate Professor & Head Kalaighnar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
2	University Nominee	Dr.R. Rajendran Principal, Government Arts College, Manalmedu Mayladuthurai. Cell: 9443396126	
3	Subject Experts	Dr. S. Rajendran Professor and Head Department of Economics, The Gandhi Gram Rural Institute, Gandhi Gram. 624 302. Dindugul District. Cell: 9894602551	
		Dr. T. Indra Assistant Professor Department of Mathematical Economics	

4	Subject Experts	Madurai Kamarajar University, Madurai. 625 021 Cell: 8838312214	
5	Industrialist	M. Raja Maheswari Jayem Industries No.121 part 3A, 3B,5C, Pudukkudi North, Thanjavur District. Cell: 8220260342	
6	Faculty Member	Mrs. D. Pushpalatha, Assistant Professor Kalaignar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
7	Faculty Member	Dr. R. Kunjammal Assistant Professor Kalaignar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
8	Alumini Member	Dr. J. Shyamaladevi M.A.M.Phil PGDCA.Ph.D MBA, Assistant Professor, Department of Commerce, J.J. College of Arts and Science (A), Pudukkottai. Cell: 6381244946	

**KALAIIGNAR KARUNANITHI GOVERNMENT ARTS COLLEGE FOR WOMEN,(A)PUDUKKOTTAI**  
**(RE-accredited with B++ By NAAC), Pudukkottai- 622 001.**

**Department of Economics**

**Board of Studies meeting for PG on 30/05/2022 Time: 10: am**  
**2022-2023.**

**The Board resolved to approve the common course pattern recommended by Bharathidasan University. After thorough discussion the Board framed the syllabi for PG to be offered under CBCS from the Academic year 2022-23 onwards.**

**Mode of Evaluation for Part III and Part**

**The CIA Marks 25 and the Semester Examination Marks 75**

**Part – A ( No – Choice) 10x2=20**

**Part- B ( Either –or) 5x5=25**

**Part C ( Open – Choice ) 3x10=30**

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1	Chairman	Mrs. N.S. Sumathi Associate Professor & Head Kalaighnar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
2	University Nominee	Dr.R. Rajendran Principal, Government Arts College, Manalmedu Mayladuthurai. Cell: 9443396126	
3	Subject Experts	Dr. S. Rajendran Professor and Head Department of Economics, The Gandhi Gram Rural Institute, Gandhi Gram. 624 302. Dindugul District. Cell: 9894602551	
4	Subject Experts	Dr. T. Indra Assistant Professor Department of Mathematical Economics Madurai Kamarajar University,	

		Madurai. 625 021 Cell: 994271088	
5	Industrialist	M. Raja Maheswari Jayem Industries No.121 part 3A, 3B,5C, Pudukkudi North, Thanjavur District. Cell: 8220260342	
6	Faculty Member	Mrs. D. Pushpalatha, Assistant Professor Kalaignar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
7	Faculty Member	Dr. R. Kunjammal Assistant Professor Kalaignar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
8	Alumini Member	Dr. J. Shyamaladevi M.A.M.Phil PGDCA.Ph.D MBA, Assistant Professor, Department of Commerce, J.J. College of Arts and Science (A), Pudukkottai. Cell: 6381244946	



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**Department of Economics**

**Board of Studies meeting for M. Phil on 30/05/2022 Time: 10: am**  
**2022-2023.**

**The Board resolved to approve the common course pattern recommended by Bharathidasan University. After thorough discussion the Board framed the syllabi for M. Phil to be offered under CBCS from the Academic year 2022-23 onwards.**

**Mode of Evaluation for Part III and Part**

**The CIA Marks 25 and the Semester Examination Marks 75**

**Part – A (No – Choice) 10x2=20**

**Part- B ( Either –or) 5x5=25**

**Part C ( Open – Choice ) 3x10=30**

S.NO	Status	Name of the Experts	Signature
1	Chairman	Mrs. N.S. Sumathi Associate Professor & Head Kalaighnar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
2	University Nominee	Dr.R. Rajendran Principal, Government Arts College, Manalmedu Mayladuthurai. Cell: 9443396126	
3	Subject Experts	Dr. S. Rajendran Professor and Head Department of Economics, The Gandhi Gram Rural Institute, Gandhi Gram. 624 302. Dindugul District. Cell: 9894602551	
4	Subject Experts	Dr. T. Indra Assistant Professor Department of Mathematical Economics Madurai Kamarajar University,	

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5	Industrialist	M. Raja Maheswari Jayem Industries No.121 part 3A, 3B,5C, Pudukkudi North, Thanjavur District. Cell: 8220260342	
6	Faculty Member	Mrs. D. Pushpalatha, Assistant Professor Kalaignar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
7	Faculty Member	Dr. R. Kunjammal Assistant Professor Kalaignar Karunanidhi Government Arts College for Women (A), Pudukkottai.	
8	Alumini Member	Dr. J. Shyamaladevi M.A.M.Phil PGDCA.Ph.D MBA, Assistant Professor, Department of Commerce, J.J. College of Arts and Science (A), Pudukkottai. Cell: 6381244946	

**PG AND RESEARCH DEPARTMENT OF ECONOMICS**

**UG- Course Pattern**

SEM	PART	S.NO	SUB.CODE	TITLE OF THE PAPER	I. Hrs	Credits	Exam .Hrs	CI A	SE	Total	
I	I	1	21UT1	Tamil	6	3	3	25	75	100	
	II	2	21UE1	English	6	3	3	25	75	100	
	III	3	21UEC01	Indian Economic Development	6	5	3	25	75	100	
	III	4	21UEC02	Tamil Nadu Economy	4	4	3	25	75	100	
	III	5	21UECFAC1	Statistics for Economics - I	6	3	3	25	75	100	
	IV	6	21UVB	Value education	2	2	3	25	75	100	
				<b>TOTAL</b>			<b>30</b>	<b>20</b>			<b>600</b>
II	I	7	21UT2	Tamil	6	3	3	25	75	100	
	II	8	21UE2	English	6	3	3	25	75	100	
	III	9	21UECO3	History of Economic Thought	5	5	3	25	75	100	
	III	10	21UECO4	Monetary Economics	4	4	3	25	75	100	
	III	11	21UECFAC2	Statistics for Economics - II	5	3	3	25	75	100	
	III	12	21UECFAC3	Statistics for Economics - III	4	3	3	25	75	100	
				<b>TOTAL</b>			<b>30</b>	<b>21</b>			<b>600</b>
III	I	13	21UT3	Tamil	6	3	3	25	75	100	
	II	14	21UE3	English	6	3	3	25	75	100	
	III	15	21UECO5	Micro Economics I	6	5	3	25	75	100	
	III	16	21UECO6	Managerial Economics	5	5	3	25	75	100	
	III	17	21UECSAC1	Basic Mathematics for Economics	5	3	3	25	75	100	
	IV	18	21UES	Environmental Studies	2	2	3	25	75	100	
				<b>TOTAL</b>			<b>30</b>	<b>21</b>			<b>600</b>
			<b>SS1</b>			<b>-</b>	<b>2</b>	<b>3</b>	<b>25</b>	<b>75</b>	<b>100</b>
	I	19	21UT4	Tamil	6	3	3	25	75	100	
	II	20	21UE4	English	6	3	3	25	75	100	
	III	21	21UECO7	Micro Economics II	4	4	3	25	75	100	
	III	22	21UECO8	Capital Market	3	3	3	25	75	100	

IV	III	23	21UECSAC2	Business Organization	5	3	3	25	75	100	
	III	24	21UECSAC3	Marketing	4	3	3	25	75	100	
	IV	25	21UECSEC1	Computer Application in Economics	2	2	3	25	75	100	
			<b>TOTAL</b>			<b>30</b>	<b>21</b>				<b>700</b>
			<b>SS2</b>			<b>-</b>	<b>2</b>	<b>3</b>	<b>25</b>	<b>75</b>	<b>100</b>
V		26	21UECO9	Macro Economics - I	5	5	3	25	75	100	
		27	21UEC10	Fiscal Economics -I	5	5	3	25	75	100	
		29	21UEC11	Entrepreneurship Development	5	4	3	25	75	100	
		28	21UEC12	Agricultural Economics	4	4	3	25	75	100	
		30	21UECME1	Environomics	4	4	3	25	75	100	
		31	21UECSEC2	Journalism	2	2	3	25	75	100	
		32	21USEC3	Soft Skill Development	2	2	3	25	75	100	
		33	21UECNME1	Economics for Competitive Examinations - I	2	2	3	25	75	100	
		34	21USB1	Yoga and Health	1	2	3	25	75	100	
			<b>Total</b>			<b>30</b>	<b>30</b>				<b>900</b>
VI		35	21UEC13	Macro Economics - li	5	5	3	25	75	100	
		36	21UEC14	Fiscal Economics -II	6	5	3	25	75	100	
		37	21UEC15	International Economics	6	5	3	25	75	100	
		38	21UECME2	Industrial Economics	5	4	3	25	75	100	
		39	21UECME3	Human Resource Management	5	4	3	25	75	100	
		40	21UECNME2	Economics for Competitive Examinations - II	2	2	3	25	75	100	
		41	21UGS	Gender Studies	1	1	3	25	75	100	
		42	21UEXA	Extension Activity	-	1	3	25	75	100	
		<b>Total</b>			<b>30</b>	<b>27</b>				<b>700</b>	

**Total Hours : 180**

**Part III Total Marks :2400**

**Total Credits : 140**

**Total Marks : 4100**

**Self Study Course: 2**

**Self study course Total Marks:200 Total Credit :4**

***B.A***  
***ECONOMICS***

## **B.A ECONOMICS**

In the present global scenario, Economics has emerged as one of the most important subjects of study among the group of social sciences as it immediately communicated with the changing societal priorities and needs. Many insights have been taken which are highly expedient in studying economics and the behaviour in the present context of highly volatile markets and asymmetric information. In the light of the expanding horizons of knowledge, constant endeavours have been made to review the curriculum in many of the institutions in the world to make economics a vibrant and meaningful subject. The curriculum merits better pondering so as to make it practically more competitive and student centered in the multidimensional environment.

### **Programme Objectives (POs)**

- Understand the basic concepts, principles and theories
- Gain sound knowledge on technical, analytical and creative skills of entrepreneurship
- Understand the allocation and utilization of resources
- Examine the policies for growth and sustained living
- Ability to work individually and as members in a team

## **Programme Specific Objectives (PSOs)**

- Students will develop their sharing of ideas and thoughts
- Understand the importance of economic variables and remedial measures for economic and social issues.
- Ready for working in the economic world like banking, industries, education etc.,
- Programme that allow the students to chose from a wide range of economic specialization
- Evaluate the values of ethics for economic and social upliftment

## **Programme Outcomes**

- Reinforce thinking skills by analyzing, synthesizing, and evaluating sources, original document, basic concepts, theories, and theoretical research based on primary and secondary documents.
- Develop an ability to verbally convey their understanding of important event based on politically, socially, economically, and culturally and literary touchstone of India and various countries.
- Mould integrated personalities in facing interview, competitive examinations and transform globally employable entrepreneur.
- Inculcate hard skills, journalistic skills in excavating histories facts and soft skills to enhance to empower them.
- Apply traditional, cultural, gender, and moral values learnt in the course for the holistic growth.

## **Programme Specific Outcomes**

- Understand the basic concept, theories, principles and functions of Micro and Macro Economic Systems and sharing the views and ideas of different economist.
- Analyse the economic variables and find solution to the real Economic Problems with the help of basic Mathematics and Statistical tools.
- 3. Identify the performances and problems in various sectors and market situations for better decision making process on investment ,Price ,Profit, Proper allocation and Utilization of resources and entrepreneurship.
- Demonstrate economic issues, plans, policies and give suitable remedial measures for rapid economic growth with environmental quality and sustained living.
- Develop moral ethics, personal and social values, technical skills, carrier development choices and pursue higher education .



<b>Course code</b>	<b>21UECO1</b>	<b>INDIAN ECONOMIC DEVELOPEMENT</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>CORE COURSE - 1</b>	<b>06</b>	<b>5</b>
<b>The main objectives of this course are to:</b>				
<ul style="list-style-type: none"> <li>➤ Understand the basic concepts of economic growth and economic development.</li> <li>➤ Evaluate the growth of population</li> <li>➤ Explain the various five year plans</li> <li>➤ It helps the students to identify the major Industries.</li> <li>➤ Explain the level of poverty and unemployment</li> </ul>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
<b>1</b>	Define the concept of economic growth and economic development			<b>K1</b>
<b>2</b>	Understand the growth of population			<b>K2</b>
<b>3</b>	Develop the objectives of five year plans			<b>K3</b>
<b>4</b>	Evaluate the rapid growth of Industrialization			<b>K4</b>
<b>5</b>	Assess the importance of unemployment and poverty			<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>				
<b>ECONOMIC DEVELOPEMENT</b>				
<b>Unit:1</b>	1.1 Meaning of Economic Development 1.2 Meaning of Economic Growth – Importance – Characteristics- Objectives- Role. 1.3 Difference between Economic Development - Economic Growth 1.4 Under- Development - Basic characteristics of under development-Causes- Results 1.5 Economic Factors and Non- Economic Factors in Economic Development 1.6 Impact of COVID – 19 in Indian Economy.			
<b>POPULATION</b>				
<b>Unit:2</b>	2.1 Meaning of Population - Population and economic growth 2.2 Size and Growth rate - Causes for the growth of population 2.3 Sex Ratio- Literacy level- Density of population and life expectancy 2.4 Effects of Population growth 2.5 Population policy			

<b>PLANNING</b>	
<b>Unit:3</b>	3.1 Planning, Meaning - Definition – Importance of planning - Process of Planning 3.2 Scope of planning- objectives of planning. 3.3 Five year planning - objectives and Strategies. 3.4 Eleventh and Twelfth Five year plans. 3.5 Objectives and Strategies
<b>INDUSTRIALIZATION</b>	
<b>Unit:4</b>	4.1 Industrialization - Meaning 4.2 Types- Effects of Industrialization. 4.3 Role of small scale industries in Economic Development. 4.4 Major industries - Cotton Textile industries - sugar industry - Iron & Steel - Industry. 4.5 Impact of New Economic Policy
<b>UNEMPLOYMENT AND POVERTY</b>	
<b>Unit:5</b>	5.1 Unemployment - Meaning of Unemployment 5.2 Kinds of Unemployment 5.3 Causes and Remedies of Unemployment. 5.4 Meaning of Poverty – Types. 5.5 Causes of Poverty and Anti-Poverty-Effects- Programmes.
<b>Unit:6</b>	Expert lectures, online seminars – webinars- Newspaper Reading
<b>Textbook(s)</b>	
<b>1</b>	Puri V.K. (2019) , “Indian Economic Development” Sultan Chand, Newb Delhi
<b>2</b>	Subhash dev(2021), “Indian Economic Development”, Shree Radhey Publications, Delhi
<b>Reference Books:</b>	
<b>1</b>	Dutt and Sundharam (2014), “Indian Economy”, S. Chand and Company, New Delhi.
<b>2</b>	Dhingra, S. (2010), “The Indian Economy, Environment and Policy”, S. Chand and Sons. New Delhi.
<b>3</b>	Dewett, K.K.; J.D. Varma and M.L. Sharma (2004), “Indian Economics”, S. Chand and Company, New Delhi.
<b>4</b>	Aggarwal, A.N. (2009), “Indian Economy”, New Age International, New Delhi.
<b>5</b>	General Studies Manual for the UPSC Civil Services Preliminary Examination (Latest edition).
	Indian Economy, Praitiyogita Darpan, (Latest edition).

6	Deepa Shree (2019), "Indian Economic Development", Saraswati House (India) Private Limited, New Delhi
7	Economic and Political Weekly.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
I	21UECO1	Indian Economic Development	6	5						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓		✓	✓	✓		✓
CO2	✓	✓	✓		✓	✓		✓	✓	
CO3	✓		✓	✓	✓	✓	✓	✓	✓	✓
CO4	✓	✓	✓	✓		✓	✓	✓		✓
CO5	✓	✓	✓		✓	✓	✓		✓	
Number of Matches - 39					Relationship – High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

course code	21UECO2	TAMILNADU ECONOMY	H	C
Core/Elective/Supportive		CORE COURSE - 2	04	04
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>➤ Understand the relevance of economy of the State</li> <li>➤ Improve the conditions of cropping pattern and irrigation practices.</li> <li>➤ It enable the Students to understand the growth of small scale industries in Tamil Nadu</li> <li>➤ Aims to achieve accelerated, innovative and inclusive growth in all sectors of the economy.</li> <li>➤ Students to know the level of Tamil Nadu State Finance.</li> </ul>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
1	Define the geographical features and natural resources of the Tamil Nadu Economy			K1
2	Classify the structure and growth of the agricultural and industrial sector			K2
3	Identify the role of industries in Tamil Nadu			K3
4	Analyse the Human Capital Development indicators and relevance to the economy			K4
5	Discuss the state income of Tamil Nadu			K6
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>				
<b>SALIENT FEATURES</b>				
<b>Unit:1</b>	1.1 Features of Tamil Nadu - Geographical boundaries-Area. 1.2 Population - Land use - Livestock. 1.3 Forests – Resource – Endowment- Education 1.4 Power- Transport- Communication 1.5 Energy - Meaning of Energy Resources			
<b>AGRICULTURE</b>				
<b>Unit:2</b>	2.1 Agriculture - land use 2.2 Cropping Pattern 2.3 Irrigation- Types - Sources			

	2.4 Green Revolution 2.5 Agricultural Marketing -Global marketing for agricultural goods.
<b>INDUSTRIES AND ECONOMIC CONCERN</b>	
<b>Unit:3</b>	3.1 Industries - Meaning. 3.2 Role of industries in Tamil Nadu Economy. 3.3 State plan for Industrial development - Major industries in Tamil Nadu 3.4 Industrial Estate- Industrial sickness-Causes - Remedial measures. 3.5 Urbanization- Housing - Public Distribution System- Food Security.
<b>HUMAN RESOURCES</b>	
<b>Unit:4</b>	4.1 Human Resources- Meaning. 4.2 Size and growth of population 4.3 Sex ratio- Density of population 4.4 Population Policy 4.5 Theory of demographic Transition.
<b>STATE INCOME AND FINANCE</b>	
<b>Unit:5</b>	5.1 State Income-Meaning - NSDP – Meaning 5.2 NSDP perception- Trends in NSDPs 5.3 State Finance-Meaning- Importance 5.4 Budget – Meaning and Importance of Budget- Types- objectives. 5.5 Disbursement and Receipts in Revenue Account.
<b>Unit:6</b>	Expert lectures, online seminars – webinars – News paper Reading
<b>Textbook(s)</b>	
<b>1</b>	Rajalakshmi, N. (1999), “Tamil Nadu Economy”, Business Publishers, Mumbai.
<b>2</b>	Perumalsamy, S. (1990), “Economic Development of Tamil Nadu”, S. Chand & Co. Ltd, New Delhi
<b>Reference Books</b>	
<b>1</b>	Perumalsamy, S. (1988), “Tamil Nadu Economy Performance and Issues”, Oxford and IBH.
<b>2</b>	Veeramani A.R. (2005), “Tamil Nadu Agricultural Economy”, Divyasre, Chennai.
<b>3</b>	Manickam, S. (2007), “Economic Development of Tamil Nadu in Perspective”, Uyirmmmai Publication, Chennai.
<b>4</b>	Leonard (2006), “Tamil Nadu Economy”, Mac Millian, New Delhi.

<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course					Hours	Credit				
I	21UECO2	Tamil Nadu Economy					4	4				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓	✓	✓	✓		✓	✓	✓		✓		
CO2	✓	✓	✓		✓	✓		✓	✓			
CO3	✓		✓	✓	✓	✓	✓	✓	✓	✓		
CO4	✓	✓	✓	✓		✓	✓	✓		✓		
CO5	✓	✓	✓		✓	✓	✓		✓			
Number of Matches - 39						Relationship – High						

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High



<b>Course code</b>	<b>21UECFAC1</b>	<b>STATISTICS FOR ECONOMICS - I</b>	<b>L</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>FIRST ALLIED COURSE - 1</b>	<b>06</b>	<b>03</b>
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>➤ Define the different types of Data.</li> <li>➤ Impart a basic knowledge on sampling and census.</li> <li>➤ Understand the classification of Diagrams.</li> <li>➤ Students should learn how to calculate the Mean, Median and Mode.</li> <li>➤ Helps the students to estimate the Measures of Dispersion.</li> </ul>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
<b>1</b>	Define the basic concepts of statistics, and methods of data collection.			<b>K1</b>
<b>2</b>	Explain the various types of sampling.			<b>K2</b>
<b>3</b>	Analyze the values of tabulation			<b>K3</b>
<b>4</b>	Calculate the values of Mean, Median and Mode.			<b>K4</b>

<b>5</b>	Estimate the Measures of dispersion	<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>		
<b>Unit:1</b>	<b>METHODS OF DATA COLLECTION</b>	
1.1 Meaning- Functions - Limitations of Statistics 1.2 Scope of Statistics - Types of data collection 1.3 Primary and Secondary Data 1.4 Methods of Collecting Primary Data 1.5 Sources of Secondary Data -Precautions in Use of Secondary Data.		
<b>Unit:2</b>	<b>CENSUS AND SAMPLING</b>	
2.1 Meaning-Census - Merits and demerits 2.2 Sample methods - Essentials of sampling 2.3 Different Types Of Sampling Techniques 2.4 Merits and demerits of Sampling 2.5 Statistical Error – Measurement of Error		
<b>Unit:3</b>	<b>CLASSIFICATION AND TABULATION</b>	
3.1 Classification -Meaning –Objectives-Rules –Types 3.2 Tables – Meaning- Parts -General Rules – Construction - Difference - Classification and Tables. 3.3 Meaning - Types of Diagrammatic- Graphical Representation 3.4 Diagrams-Simple Bar -Component Bar -Multiple Bar Diagram-Pie Diagram 3.5 Graph- Frequency Polygon-Frequency Curve- Ogive or Cumulative frequency curve.		
<b>Unit:4</b>	<b>MEASURES OF CENTRAL TENDENCY</b>	
4.1 Measures of Central Tendency-Objectives 4.2 Requisites For a Good Average 4.3 Mean- Median- Mode		

4.4 Arithmetic Mean -Geometric Mean- Harmonic Mean		
4.4 Merits And Demerits.		
<b>Unit:5</b>		
<b>MEASURES OF DISPERSION</b>		
5:1 Measures Of Dispersion-Range- Quartile Deviation- Mean Deviation,		
5:2 Standard Deviation- Merits And Demerits		
5:3 Coefficient of Variation- Skewness		
5:4 Karl Pearson’s Coefficient of Skewness		
5.5 Kurtosis - Definition & Concept Only		
<b>Unit:6</b>		
Expert lectures, online seminars – webinars		
<b>Textbook(s)</b>		
<b>1</b>	Arumugam & Isaac (2011) Statistics, New Gamma publishing House, Palayankottai.	
<b>2</b>	Pillai R.S.N and Bhagavathi , (2000) Statistics, Sultan Chand and Company ,New Delhi.	
<b>3</b>	Gurusamy Ma.Pa. and others, Pulliyiyal, Latest Edition, Thenmozhi Publications, Dindugal	
<b>Reference Books</b>		
<b>1</b>	Pillai R.S.N. and Bhagavathi, (1984)‘Statistics: Theory and Practice’, S.Chand and Company, New Delhi, Latest Edition	
<b>2</b>	Gupta.S.C. & Kapoor.V.K.(1993), Fundamentals of Applied Statistics,Sultan chand and Publishers, New Delhi.	
<b>3</b>	Gupta S.P.(2001) ‘Statistical Methods’ New Delhi: Sultan Chand & Company , New Delhi	
<b>4</b>	Aggarwal.B.L. (1998), Basic Statistics, Wiley Eastern Limited, New Delhi	
<b>5</b>	Arora.P.N.,(2007 ),Comprehensive Statistical Methods ,S,Chand & Company Limited, New Delhi.	
<b>6</b>	Pillai R.S.N and Bhagavathi , (2000) Statistics, Sultan Chand and Company,New Delhi.	

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course					Hours	Credit			
I	21UECFAC1	Statistics for Economics - I					6	3			
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	✓	✓	✓	✓		✓	✓		✓	✓	

CO2	✓	✓	✓	✓	✓	✓		✓	✓	✓
CO3	✓	✓	✓		✓	✓	✓	✓	✓	
CO4	✓	✓	✓	✓	✓	✓	✓		✓	✓
CO5	✓	✓	✓		✓	✓	✓	✓	✓	
Number of Matches -42					Relationship –Very High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

**Semester :I**

**2 Hrs  
2 Credit**

### **VALUE EDUCATION-- 21UVB**

Objectives

- To understand the meaning of value based education
- To learn the values of various religion
- To study and develop the values revealed in literatures

#### **UNIT I**

Meaning and definition of values – objectives of values education – Distinction between value, good and right – value education & ethics education

## **UNIT II**

Classification of values – sources of values – value propounded by religions like Hinduism – Buddhism – Christianity – Jainism – Islam

## **UNIT III**

Values – Indian culture – unity in diversity and national integration secularism – living values – peace – happiness – respect- honest – love – freedom – responsibility n- positive thinking tolerance humanity – simplicity – optimism

## **UNIT IV**

Role of literature – like -Thirukural – Nannool in life skills role of leaders in social reforms Raja Ram Mohan Roy – Mahatma Gandhi Swami Vivekanada – EVR Periyar – Mother Terasa – Abdul Kalam – Ten point for enlightened citizenship – social value duty love and compassion – gratitude – politeness and courtesy

## **UNIT V**

Value crisis – wealth – effort education without character – commerce without ethics – corruption in society religious fundamentalism and terrorism

<b>Course code</b>	<b>21UECO3</b>	<b>HISTORY OF ECONOMIC THOUGHT</b>	<b>H</b>	<b>C</b>
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Core/Elective/Supportive	CORE COURSE - 3	05	05
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>➤ know the course begins with the study of Ancient and Medieval economic thought.</li> <li>➤ Knowledge and understanding at an advanced undergraduate level of how economic thought has evolved over time, introducing students to the most advanced themes of analysis such as the critical comparison of the contributions of the main schools of economists.</li> <li>➤ Classical economists, marginality revolution and its application to the theories of general and partial equilibrium, the current macroeconomic debate between the neo-classical and Keynesian schools.</li> <li>➤ promote the learning ability so as to be develop and consolidate competence in the field of economic thought</li> <li>➤ Elaborating own critical valuations on the economic reality of historical events, mostly those reverent at an international level, in a self- organized autonomous way.</li> </ul>			
<b>Expected Course Outcomes:</b>			
<b>On the successful completion of the course, the students will be able to:</b>			
1	Define the main schools of Economic Thought		<b>K1</b>
2	Compare the difference schools of Economic thought		<b>K2</b>
3	Identify the different schools of Economic thought		<b>K3</b>
4	Assume the modern views on Keynesian revolution		<b>K4</b>
5	Evaluate the contributions of Indian Economist to economic thought Economics		<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>			
<b>ANCIENT ECONOMIC THOUGHT</b>			
<b>Unit:1</b>	1.1 Introduction -Nature and Importance of Economic Thoughts 1.2 Economic thoughts of Hebrews ,Plato, Aristotle 1.3 The Roman Thought 1.4 The Islamic Thought 1.5 The Caste system		
<b>PRE - CLASSICAL ECONOMIC THOUGHT</b>			
<b>Unit:2</b>	2.1 Mercantilism 2.2 Factors Give rise to Mercantilism		

	2.3 Neo- Mercantilism 2.4 Physiocracy 2.5 Factors Gives Rise to Physiocracy, Natural orders 2.6 Circulation of Wealth
<b>CLASSICAL ECONOMIC THOUGHT</b>	
<b>Unit:3</b>	3.1 Adam Smith 3.2 Robert Malthus 3.3 J B.Say 3.4 J.S Mill 3.5 David Ricardo
<b>HISTORICAL, KEYNESIAN AND WELFARE SCHOOL</b>	
<b>Unit:4</b>	4.1 Historical School- Roscher- Hilderbrand - Schomoler 4.2 Keynesian School- J.M. Keynesian Welfare School 4.3 A. C. Pigou 4.4 Hobson 4.5 Pareto
<b>INDIAN ECONOMIC THOUGHT</b>	
<b>Unit:5</b>	5.1 Thiruvalluvar 5.2 Gokale 5.3 Naoroji 5.4 Ranade 5.5 Mahatma Gandhi-Jawaharlal Nehru
<b>Unit:6</b>	Expert lectures, online seminars – webinars
<b>Textbook(s)</b>	
<b>1</b>	Sundaram.K.V. (1985) A Textbook of Economic Thought,KVS, Trichy.



2	Sankaran.S. (1987) History of Economic Thought, Margham Publications, Madras.
<b>Reference Books</b>	
1	Hajela T.N. (2008) Hiatory of Economic Thought , Ane Books India , New Delhi.
2	Srivastava S.K. (1983) History of Economic Thought, S,Chand & Compay Ltd. New Delhi.
3	Paul.R.R. (2000) History of Economic Thought, Kalyani Publishers, New Delhi.
4	Madan G.R. , Dhoorria H.S. (1978) The History and development of Economic Thought, Sultan Chand & Company Ltd, Delhi.
5	Hagela (2000)- History of Economy thought- konark publication, New Delhi
6	Sankaran K.(2000) History of Economy thought ,Sultan chand & Sons
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit

I	21UECO3	History of Economic Thought				5	5				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	✓	✓	✓		✓	✓	✓		✓	✓	
CO2	✓	✓	✓	✓		✓	✓	✓	✓		
CO3	✓	✓		✓	✓	✓		✓		✓	
CO4	✓		✓	✓	✓		✓	✓	✓		
CO5	✓	✓	✓		✓	✓		✓		✓	
Number of Matches - 37					Relationship – High						

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UEC04</b>	<b>MONETARY ECONOMICS</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>CORE COURSE- 4</b>		<b>04</b>	<b>04</b>
<b>The main objectives of this course are to:</b>				
<ul style="list-style-type: none"> <li>➤ Understand the economic value of one place to another.</li> <li>➤ Evaluate currency exchange value of different international trading system.</li> <li>➤ The analysis quantity theory on money state that the general price level of goods and services.</li> <li>➤ Discusses the causes and consequence of inflation and deflation</li> <li>➤ Naturally of money and exchange stability</li> </ul>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
<b>1</b>	Find the various concepts of money and money substitutes –			<b>K1</b>
<b>2</b>	Explain the transaction approach and case balance approach of quantity theory of money.			<b>K2</b>
<b>3</b>	Identify the process credit creation of commercial bank			<b>K3</b>
<b>4</b>	Evaluate the functions of commercial bank			<b>K4</b>
<b>5</b>	Discuss the various functions of central bank			<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>				
<b>MONEY</b>				
<b>Unit:1</b>	1.1 Definition-Function-Kinds of Money 1.2 Qualities of good money, significance of money. 1.3 The demand for money, classical view-Keynesian and modern approach.			

	<p>1.4. Supply of Money-changes in Money supply.</p> <p>1.5 velocity of circulation.</p>
<b>QUANTITY THEORT OF MONEY</b>	
<b>Unit:2</b>	<p>2.1 Fishers Transaction Approach</p> <p>2.2 Friedman quantity theory money.</p> <p>2.3 Cash Balance Approach</p> <p>2.4 Keynes Theory of Money and price</p> <p>2.5 Superiority of Keynes Theory of Money.</p>
<b>INFLATION</b>	
<b>Unit:3</b>	<p>3.1 Meaning and Kinds of inflation</p> <p>3.2 Causes of inflation-Inflationary Gap</p> <p>3.3 Effects of inflation-Control of Inflation</p> <p>3.4 Meaning of Deflation, Effects of Deflation</p> <p>3.5 Methods of Control of Deflation.</p>
<b>THEORY OF BANKING</b>	
<b>Unit:4</b>	<p>4.1 Meaning of Commercial Bank</p> <p>4.2 commercial bank</p> <p>4.3 Methods of credit creation in central banking.</p> <p>4.4 Function of Central Banking.</p> <p>4.5 Methods of Credit control</p>
<b>MONETARY POLICY</b>	
<b>Unit:5</b>	<p>5.1 Meaning of Monetary Policy,</p> <p>5.2 Objectives-Limitations</p> <p>5.3 Role of Monetary Policy in India</p>

	5.4 Meaning of Money Market, Importance of Money Market 5.5 Weakness of Money Market.
<b>Unit:6</b>	Expert lectures, online seminars – webinars
<b>Textbook(s)</b>	
<b>1</b>	Mishkin, F. (2008), “The Economics of Money, Banking, and Financial Markets”, Pearson Addition Wesley, New York.
<b>2</b>	Pierce D.G. and P.J. Tysome (1985), “Monetary Economics: Theories, Evidence and Policy”, Butter worth’s, London.
<b>Reference Books</b>	
<b>1</b>	Jhingan M.L. (2004) Monetary,Economics ,Virunda (p) ltd, DelhiPublications
<b>2</b>	Vaish MC(2006),.- Monetary Theory-Vikas PublicationsNew Delhi
<b>3</b>	Sinha V.C.,Zacharia.E(1986)-Monetary Economics-Allied Publications, New Delhi
<b>4</b>	Suraj.B.,(1998), Monetary Economics-S.Chand & company(p) limited,New Delhi
<b>5</b>	Sankaran S. (1993) - Money Economics- Margham Publications, Madras
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
II	21UECO4	Monetary Economics	4	4						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO2	✓	✓	✓	✓	✓		✓	✓		✓
CO3	✓	✓		✓	✓		✓		✓	✓
CO4	✓	✓	✓	✓		✓	✓	✓		✓
CO05	✓	✓		✓	✓	✓	✓	✓	✓	
Number of Matches-40					Relationship -High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECFAC2</b>	<b>STATISTICS FOR ECONOMICS-II</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>FIRST ALLIED COURSE – 2</b>		<b>5</b>		<b>3</b>
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>➤ Identify the direction and strength of correlation</li> <li>➤ Interpret the data's in regression analysis</li> <li>➤ Explain the relationship between association and attributes</li> <li>➤ Estimate the components of time series</li> <li>➤ Helps us to calculate the various problems of index numbers.</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Define the basic concepts of correlation				<b>K1</b>
<b>2</b>	Demonstrate the use of regression analysis and properties of coefficient.				<b>K2</b>
<b>3</b>	Identify the difference between association and attributes				<b>K3</b>
<b>4</b>	Examine the time series models				<b>K4</b>
<b>5</b>	Evaluating the techniques of Laspeyre's and paasche's index numbers				<b>K5</b>

**K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create**

**Unit:1**

**CORRELATION ANALYSIS**

- 1:1 Correlation-Meaning
- 1.2 Types of Correlation
- 1:3 Methods of Studying Correlation Scatter Diagram
- 1:4 Karl Pearson's Coefficient of Correlation
- 1.5 Spearman's Rank Correlation.

**Unit:2**

**REGRESSION ANALYSIS**

- 2:1 Regression Analysis
- 2:2 Difference Between Correlation And Regression
- 2:3 Analysis Regression
- 2.4 Regression Line of X On Y And Y On X
- 2:5 Properties of Regression Coefficient

**Unit:3**

**ASSOCIATION OF ATTRIBUTES**

- 3.1 . Association of Attributes-Meaning
- 3:2 Difference Between Association and Correction
- 3;3 Correlation Contingency Table
- 3.4 Consistency of Data
- 3:5 Method of Studying Association (Two Attributes Only)
- 3.6 Yule's Coefficient of Association, Coefficient of Colligation, of Contingency

**Unit:4**

**TIME SERIES ANALYSIS**

- 4:1 Time Series-Components of Time Series
- 4:2 Measurement of Trend by Graphic Method



4.3	Semi Average method
4:4	Moving Averages
4. 5	Least Square Method.
<b>Unit:5</b>	
<b>INDEX NUMBERS</b>	
5:1	Index Numbers-Meaning -uses-Problems in the Construction of an Index Number
5:2	Laspeyr's- Paasche's, Fisher's - Bowley's Index Number,
5:3	Time Reversal Test
5.4	Factor Reversal Test
5.5	Cost of Living Index Number.
<b>Unit:6</b>	Expert lectures, online seminars – webinars
<b>Textbook(s)</b>	
<b>1</b>	1. Gupta. S.P. 'Elementary Statistical Methods', Sultan Chand and Company, New Delhi, Latest Edition.
<b>2</b>	Varma & Agarwal ,1993 ,Statistics (Theory Practice),Forward Book Depot Educational Publication
<b>Reference Books</b>	
<b>1</b>	R.S.N.Pillai and Bhagavathi, 'Statistics: Theory and Practice', S.Chand and Company, New Delhi, Latest Edition
<b>2</b>	Kapoor. V.K. 'Fundamentals of Statistics for Business and Economics' Sultan Chand and Company, New Delhi, Latest Edition
<b>3</b>	Gupta S.P., 'Statistical Methods' New Delhi: Sultan Chand, 2001.
<b>4</b>	Ma.Pa. Gurusamy and others, Pulliyiyal, Latest Edition, Theymozhi Publications, Dindugal.
<b>5</b>	Arora.P.N.,2007 ,Comprehensive Statistical Methods ,S,Chand & Company LTD, New Delhi.
<b>6</b>	.Pillai R.S.N and Bhagavathi , 2000"Statistics, Chand and Company,New Delhi.
<b>7</b>	Gupta S.P., 2001 'Statistical Methods' , Sultan Chand, .& Company,New Delhi.

**Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]**

**1** <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
II	21UECFAC2	Satistics for Economics -II	4	3						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓		✓	✓	✓	✓	
CO2	✓	✓		✓	✓	✓	✓		✓	✓
CO3	✓	✓	✓	✓	✓		✓	✓		✓
CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
C005	✓		✓	✓		✓	✓	✓		✓

Number of Matches -41	Relationship –Very High
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Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECFAC3</b>	<b>STATISTICS FOR ECONOMICS- III</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>FIRST ALLIED COURSE - 3</b>	<b>04</b>	<b>03</b>
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>➤ Identify the basic concepts of probability and its types.</li> <li>➤ Define the theoretical distribution and its types.</li> <li>➤ It builds a knowledge to test the hypothesis</li> <li>➤ Develop the skill in the “T” test and “F” test.</li> </ul>				

- Know the official sources of vital statistics.

**Expected Course Outcomes:**

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

<b>1</b>	Find probability and theorems of probability	<b>K1</b>
<b>2</b>	Classify the problems in theoretical distributions	<b>K2</b>
<b>3</b>	Identify the type I and Type II errors through testing of hypothesis	<b>K3</b>
<b>4</b>	Compare the values of “T” and “F” test.	<b>K4</b>
<b>5</b>	Explain the importance of vital statistics.	<b>K5</b>

**K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create**

<b>Unit:1</b>	<b>PROBABILITY</b>	
1:1 Probability-Definition- Basic concepts 1.2 Theorem of Probability 1.3 Types of Probability 1:4 Addition Theorem of Probability 1:5 Multiplication theorem with proof (without problems)		
<b>Unit:2</b>	<b>THEORITICAL DISTRIBUTION</b>	
2:1 Theoretical Distribution Meaning and Types 2.2. Binomial Distribution-Properties 2.3 Poisson distribution – Properties 2:4 Normal distribution - Properties 2.5 Continuous Distribution - Properties(Without problems)		
<b>Unit:3</b>	<b>TESTING OF HYPOTHESIS</b>	

3:1	Test of Hypothesis-Procedure for testing	
3:2	Formation of null and alternative hypothesis	
3:3	Type I and Type –II error- One tail and two tail tests-small test of proportion.	
3:4	Test of difference between proportions-Test of significance for samples.	
3:5	Mean and difference between two mean (simple problems)	
<b>Unit:4</b>	<b>TESTING OF HYPOTHESIS</b>	
4:1	Test of significance for large sample	
4:2	Mean- difference between Two means	
4:3	“t” test & for independence of attributes (simple Problems)	
4:4	X test for Independence of attributes	
4:5	Properties of “T” test.	
<b>Unit:5</b>	<b>VITAL STATISTICS</b>	
5:1	Official sources of vital statistics-Fertility and Reproduction rates	
5:2	Crude Birth Rate, General-Fertility rate	
5:3	Specific fertility rate- Gross- Net reproduction rate	
5:3	Mortality rate-Crude specific and standardize death rate (Definition & concepts only)	
5:4	Life Table and its uses.	
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
<b>Textbook(s)</b>		
<b>1</b>	Gupta, S.P. (1993), “Introduction to Statistical Methods”, Sultan Chand and Company, New Delhi.	
<b>2</b>	Gupta, S.P. (1993), “Fundamentals of Applied Statistics”, S Chand and Company, New Delhi	

Reference Books	
1	R.S.N.Pillai and Bhagavathi, 'Statistics: Theory and Practice', Sultan .Chand and Company, New Delhi, Latest Edition
2	Kapoor. V.K. 'Fundamentals of Statistics for Business and Economics' Sulthan Chand and Company, New Delhi, Latest Edition
3	Gupta S.P., (2001)Statistical Methods' New Delhi: Sultan Chand,
4	Ma.Pa. Gurusamy and others, Pulliyiyal, Latest Edition, Theymozhi Publications, Dindugal.
5	Arora.P.N.(,2007) ,Comprehensive Statistical Methods ,S,Chand & Company LTD, New Delhi.
6	Pillai R.S.N and Bhagavathi , ( 2000) Statistics, Sultan Chand and Company ,New Delhi.
Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the	Hours	Credit

		Course								
II	21UECFAC3	Statistics for Economics-III				4			3	
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓		✓	✓	✓		✓
CO2	✓	✓	✓		✓	✓		✓	✓	✓
CO3	✓	✓	✓	✓	✓	✓	✓	✓		✓
CO4	✓	✓	✓		✓		✓	✓	✓	
CO5	✓	✓	✓		✓	✓	✓		✓	
Number of Matches-39					Relationship -High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

Course Code	21UEC05	<b>MICRO ECONOMICS - I</b>	H	C
<b>Core/Elective/Supportive</b>		<b>CORE COURSE - 5</b>	6	5
<b>Course Objectives :</b>				
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>➤ Define the basic concept of Micro Economics.</li> <li>➤ Demonstrate micro economic theories with graphical illustrations</li> <li>➤ Experiment with the gained knowledge in basic economic theories, concepts and models</li> <li>➤ Categorize the concepts, methodology and the behavior of the economic agents as a consumer and a producer.</li> <li>➤ Estimate the theory of production</li> </ul>				
<b>Course Outcomes :</b>				
1	Define the fundamental concepts and principles to understand the Economic motives and behaviour patterns of an individual Consumer			K1
2	Demonstrate the scope and methodology of Micro Economics			K2
3	Apply the idea of how Micro economics is different from Macro Economics			K3
4	Classify the difference between Cardinal Utility analysis and Ordinal Utility analysis			K4



5	Compare the idea of different Cost curves and Revenue curves	K5
K1 – Remember, K2 – Understand, K3- Apply, K4- Analysing, K5- Evaluating K6- Creating		
Unit: I	<b>DEFINITION AND SCOPE OF MICRO ECONOMICS</b>	
<p>1.1 Definition of Economics – Wealth – Welfare- Scarcity - Growth</p> <p>1.2. Micro and Macro Economics</p> <p>1.3 Inductive and Deductive methods</p> <p>1.4 Positive vs Normative study</p> <p>1.5 Static and Dynamic analysis</p> <p>1.6 Partial and general equilibrium</p>		
Unit: II	<b>CARDINAL UTILITY ANALYSIS</b>	
<p>2.1 Utility – Meaning -Types</p> <p>2.2 Law of diminishing marginal utility</p> <p>2.3 Law of equi marginal utility</p> <p>2.4 Demand -- Law of demand - Elasticity of demand</p> <p>2.5 Consumer’s surplus</p>		
Unit :III	<b>ORDINAL UTILITY ANALYSIS</b>	
<p>3.1 Hicksian analysis</p> <p>3.2 Indifference curve analysis- Properties</p> <p>3.3 Income Effects - Price Effect- Substitution Effect</p> <p>3.4 Consumer’s equilibrium</p> <p>3.5 Revealed preference theory.</p>		

Unit: V	<b>THEORY OF PRODUCTION</b>
<p>4.1 Factors of production Land, Labour, Capital and Organisation</p> <p>4.2 Laws of returns</p> <p>4.3 Law of variable proportions</p> <p>4.4 Production function</p> <p>4.5 Cobb Douglas production function.</p>	
Unit: V	<b>COST AND REVENUE</b>
<p>5.1 Concept of Cost – Meaning-Types of Costs</p> <p>5.2 Short-run -Long-run - Total -Marginal-Average-Fixed -Variable - Opportunity</p> <p>5.3 Relationship between Average and Marginal Cost Curves</p> <p>5.4 Concept of Revenue-Total – Marginal-Average</p> <p>5.5 Relationship between Average and Marginal Revenues.</p>	
Textbooks	
1	Sankaran S. (2007) “ Micro Economics”, Margham Publications, Madras
2	Jhingan M.L, (2016) “Micro Economic Theory”, Vrinda publications , New Delhi
Reference Books	
1	Ahuja H.L. (2006) - Modern Micro Economics, S.Chand & Company Ltd, New Delhi.
2	Agarwal ,H.S. (2008), Micro Economic Theory , Shyam Lal Charitable Trust New Delhi.
3	Dewett K.K - Micro Economics, S.Chand, New Delhi, 2009.
4	Koutsoyiannis. (1979) A Modern Micro Economics, Macmillan Press, London.
5	Da Costa., G.C., (1980) Production, Prices and Distribution. New Delhi: Tata McGraw Hill.
6	Hirshlefe, J and A. Glazer., (1997) Price Theory and Applications. Prentice Hall of India, New Delhi.

7	Kennedy, Maria John M., (1999) Advanced Micro Economic Theory.(Second Edition) Himalaya, Publishing House, New Delhi.
Related Online Contents ( MOOC, SWAYAM, NPTEL, Website, etc.)	
1.	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> >

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
III	21UECO5	Micro Economics-I	6	5						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CO2	✓	✓	✓	✓	✓	✓		✓	✓	✓
CO3	✓	✓	✓	✓		✓	✓	✓	✓	✓
CO4	✓	✓	✓	✓	✓	✓		✓	✓	
CO5	✓	✓	✓		✓	✓	✓	✓	✓	✓
Number of Matches -45					Relationship – Very High					

Relationship matrix for Cos, and POSs,

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECO6</b>	<b>MANAGERIAL ECONOMICS</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>CORE COURS - 6</b>		<b>05</b>	<b>05</b>
<b>The main objectives of this course are to:</b>				
<ul style="list-style-type: none"> <li>➤ Understand the basic concepts of managerial economics</li> <li>➤ Apply Economic concepts for demand forecasting</li> <li>➤ Analysis the cost analysis in short run and long run.</li> <li>➤ Gain knowledge about the capital budgeting.</li> <li>➤ known us the various types of pricing</li> </ul>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				

<b>1</b>	Understand the basic economic principles, forecast demand and supply.	<b>K1</b>
<b>2</b>	Estimate cost and understand market structure, pricing practices	<b>K2</b>
<b>3</b>	Interpret the financial results of the organization.	<b>K3</b>
<b>4</b>	Apply capital budgeting, financial analysis techniques in evaluating various investment opportunities	<b>K4</b>
<b>5</b>	Enhance their capabilities in the interpretation of balance sheets are followed in industries, organizations & institutes.	<b>K5</b>

**K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create**

**INTRODUCTION**

<b>Unit:1</b>	1:1 Meaning-Characteristics 1.2 Importance of Managerial Economics 1.3 Nature and Scope 1:4 Significance of Managerial Economics 1:5 Difference Between Managerial And Traditional Economics.
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**DEMAND FORECASTING**

<b>Unit:2</b>	2:1 Demand Forecasting-Meaning-Types 2.2 Level of Demand Forecasting 2:3 Demand Forecasting For New Product 2:4 Forecasting Techniques 2:5 Criteria For Good Forecasting Methods
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**COST ANALYSIS**

<b>Unit:3</b>	3:1 Cost-Meaning-Types 3:2 Short run-Long Run Cost 3:3 Output Relationship 3:4 Break Even Analysis 3.5 Cost Control- (Concept only)
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<b>CAPITAL BUDGETING</b>	
<b>Unit:4</b>	4:1 Meaning-Need For Capital Budgeting 4:2 Forms Of Capital Budgeting 4:3 Nature-Capital Budgeting 4.4 Techniques of Capital budgeting 4:5 Capital Budgeting Problems
<b>PRICING METHODS</b>	
<b>Unit:5</b>	5:1 Meaning-Full Cost Pricing-Advantages and Disadvantages 5:2 Types o Pricing-Marginal Pricing-Advantages-Limitations 5:3 Growth Rate Price 5:4 Customer Pricing-Penetrating Pricing - Difference 5.5 Administrating Pricing-Skimming Pricing.
<b>Unit:6</b>	Expert lectures, online seminars – webinars
	<b>Total Lecture hours</b>
<b>Textbook(s)</b>	
<b>1</b>	Sankaran.S.(2010), managerial Economics, Margham Publications, Madras.
<b>3</b>	Cauvery.R .Sudhanayak..U.K .Girija.M. Meenakshi R. (2005) Managerial Economics. Sultan Chand & Company Private. Limited., New Delhi.
<b>Reference Books</b>	
<b>1</b>	Dr. Verma. M.M. & Aggarwal.R.K.(1987), Managerial Economics, Forward Book Depot, New Delhi.
<b>2</b>	Jhingan.M.L.Stephen.J.K.(2004) Managerial Economics, Vrinda Publications private Limited, New Delhi
<b>3</b>	Dr. Mustafa.A.(1995), Managerial Economics, Margham Publications, Madras
<b>4</b>	Dwivedi. D.N.(1980), Managerial Economics, Vikas Publishing House Private Limited, New Delhi.
<b>Related Online Contents ( MOOC, SWAYAM, NPTEL, Website, etc.)</b>	
	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> > Select Subject And module.

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course				Hours	Credit				
I	21UEC06	Managerial Economics				5	5				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	✓		✓	✓	✓	✓		✓		✓	

CO2	✓	✓		✓		✓		✓	✓	
CO3		✓	✓	✓		✓	✓	✓	✓	✓
CO4	✓		✓	✓	✓	✓		✓	✓	✓
CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Number of Matches - 38					Relationship - High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECSA1</b>	<b>BASIC MATHEMATICS FOR ECONOMICS</b>	<b>H</b>	<b>C</b>
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<b>Core/Elective/Supportive</b>	<b>SECOND ALLIED COURSE - 1</b>	<b>05</b>	<b>03</b>
<b>The main objectives of this course are to:</b>			
<ul style="list-style-type: none"> <li>➤ Impart knowledge of basic mathematical concept</li> <li>➤ Know about the concept of function and number systems</li> <li>➤ Solve the set theory differential calculus</li> <li>➤ Train the students to calculate the producer and consumer surplus</li> <li>➤ Calculate the matrices and determinants with their application in Economics</li> </ul>			
<b>Expected Course Outcomes:</b>			
<b>On the successful completion of the course, the students will be able to:</b>			
<b>1</b>	Define the mathematical tools and number system		<b>K1</b>
<b>2</b>	Illustrate how to draw the venn diagrams		<b>K2</b>
<b>3</b>	Make use of the basic rules of differentiation		<b>K3</b>
<b>4</b>	Analyse the application on mathematical methods in economics		<b>K4</b>
<b>5</b>	Assess to find the values of Matrices		<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>			
<b>Unit:1</b>	<b>BASIC CONCEPT AND NUMBER SYSTEM</b>		
1.1 Relationship between mathematics and economics 1.2 Number system - Natural Numbers – Integers 1.3 Rational and Irrational Number- 1.4 Complex and Prime Number 1.5 Real Numbers and imaginary numbers			
<b>Unit:2</b>	<b>SET THEORY</b>		
2.1 Meaning of Set Theory 2.2 Forms of Set 2.3 Set operations 2.4 Venn Diagrams 2.5 Cartesian Product			
<b>Unit:3</b>	<b>DIFFERENTIAL CALCULUS</b>		
3.1 Meaning			

<p>3.2 Rules of Differentiation</p> <p>3.3 Maxima and Minima of one Independent Variable</p> <p>3.4 Partial Differentiation</p> <p>3.5 Maxima and Minima of two Independent Variable</p>		
<b>Unit:4</b>	<b>THEORY OF CONSUMER AND PRODUCER</b>	
<p>4.1 Demand – Elasticity of Demand function</p> <p>4.2 Consumer and producer Equilibrium- Legerasian Method</p> <p>4.3 Cost Functions</p> <p>4.4 Revenue Functions</p> <p>4.5 Profit function</p>		
<b>Unit:5</b>	<b>MATRICES AND DETERMINANTS</b>	
<p>5.1 Meaning of Matrix – Types of Matrices</p> <p>5.2 Rank of a Matrix</p> <p>5.3 Minor – Co-factor – Adjoint</p> <p>5.4 Inverse of a square matrix</p> <p>5.5 Solving Simultaneous Linear equations</p>		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Bose.D.(2000). Introduction to Mathematics, Himalaya Publishing house, Mumbai	
<b>2</b>	Malcolm Pemberton, Nicholas Rau(2017),Mathematics for Economics. An Introductory Textbook, Vikas books Mumbai.	
<b>Reference Books</b>		
<b>1</b>	Taro Yamane(1988), Mathematics for Economics. An Elementary Survey. Prentice hall of Private	

	Limited, New Delhi
2	Thomas.R.L.(1989) Using Mathematics in Economics, Longman House, British Library Cataloguing in Publications. England
3	Alpha.Chiang .Kevin.C .Wainwright.(2013)Fundamental Methods of Mathematical Economics. McGraw Hill Education Private Limited. New Delhi
4	Allen.R.G.D.(1998). Mathematical Analysis for Economics.AITBS publishers and Distributors. New Delhi
5	Akihito Asanto (2013), An Introduction to mathematics for Economics, Cambridge university press, New Delhi
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> >select Subject and Module

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
III	21UECSACI	Basic Mathematics for Economics-1	5	3						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓			✓	✓	✓	✓		✓

CO2	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO3	✓	✓		✓	✓	✓	✓	✓	✓	✓
CO4	✓		✓	✓	✓	✓	✓	✓		
CO05	✓	✓	✓	✓	✓		✓		✓	✓
Number of Matches : 40					Relationship : High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

**Semester : III**

**2 Hrs  
2 Credit**

### **Environmental Studies-- 21UES**

#### **UNIT I Introduction and Resources**

Environmental studies and Definition – Scope and importance – (2 lectures) - Need for public awareness natural resources – Renewable – and Non- renewable resources – Forest resources use and over – exploitation – deforestation – timber extraction – dams and their effects on forest and tribal people – Water resources – use and over utilization of surface and ground water – floods – drought – Energy resources – growing energy needs renewable and non renewable energy sources – use of alternate energy sources – Land resources – land as a resources – land degradation – man induced landslides- soil erosion and desertification – Role of an individual in conservation of natural resources.

#### **UNIT II Eco System**

Concept of an ecosystem – structure and functions of an eco system – producers – consumers and decomposers – Energy flow in the eco system – Food chain – food webs and ecological pyramids – characteristics – features – structure and functions of the following eco system – forest eco system – grassland eco system – desert eco system – aquatic eco system (Ponds).

### **UNIT III Environmental pollution**

Definition- causes – effects and control measures of air pollution – water – soil – noise – radiation pollution – climate change – global warming – acid rain – ozone layer depletion – role of an individual in prevention of pollution – pollution case studies.

### **UNIT IV Bio Diversity and Social Issues**

Definition – Value of bio diversity – consumptive use – productive use – social ethical – aesthetic and option values – threats to bio diversity – habitats loss – coaching of wild life – man wild life conflicts- Water conservation rain water harvesting – watershed management – Resettlement and rehabilitation of people- solid waste management – Causes – effects and control measures of urban and industrial waste – Disaster management - floods – earthquake – cyclone and land slides.

### **UNIT V Human Population**

Human Population and the Environment Population growth – population explosion – Family welfare programmers – Women and child welfare – Environment and human health – Human rights – value education – Role of Information technology in environment and human health.

Course Code	21UEC07	<b>MICRO ECONOMICS - II</b>	H	C
Core/Elective /Supportive		<b>CORE COURSE : 7</b>	4	4
<b>Course Objectives :</b>				

**The main objectives of this course are to**

1. To Imparting knowledge about the consumer behaviour and its application in economics
2. To make the students to understand the types of markets and determining the output and prices under different market situation
3. To create aptitude in the minds of the students the theories of different factors and determining their prices.
4. To know various forms of market structure, Competitive market and imperfectly competitive markets
5. To enable the students to understand the Distribution Theories

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

CO1	Find the conceptual clarity of the theories of Microeconomics	K1
CO2	Explain the principle of constrained optimization to firms and consumers	K2
CO3	Develop the application of theory of production and cost structure	K3
CO4	Compare the various market structure and its real world application	K4
CO5	Evaluate the micro economics principles to factor markets	K5

K1 – Remember, K2 – Understand, K3- Apply, K4- Analysing, K5- Evaluating K6- Creating

Unit: 1	<b>MARKET STRUCTURE</b>	12 Hours
1.1 Theory of Product Pricing 1.2 Market - Meaning - Types of Market 1.3 Time Element Theory 1.4 Equilibrium of Firm and Industry 1.5 Price and Output Determination 1.6 Perfect Competition - Monopoly - Price Discrimination		
Unit: II	<b>PRODUCT PRICING</b>	
2.1 Monopolistic Competition		

2.2 Selling Cost		
2.3 Oligopoly – Meaning- Features - Collusive Oligopoly		
2.4 Price Leadership -Kinked Demand Curve		
2.5 Duopoly - Cournot Model		
2.6 Edgeworth Model.		
Unit: III	<b>THEORY OF DISTRIBUTION</b>	
3.1 Distribution - Marginal Productivity Theory of Distribution		
3.2 Modern Theory of Distribution.		
3.3 Ricardian Theory		
3.4 Quasi Rent		
3.5 Modern Theory of Rent		
Unit: IV	<b>FACTOR PRICING</b>	
4.1 Theories of Wages -Subsistence Theory Collective Bargaining - Wage Differentials.		
4.2 Theories of Interest- Classical –		
4.3 Neo-Classical -Loanable Fund theory		
4.4 Keynes Liquidity Preference theory		
4.5 Keynes and Modern Theories of Interest.		
Unit: V	<b>THEORIES OF PROFIT</b>	
5.1 Profit - Meaning		
5.2 Theories of Profit		
5.3 Risk and Uncertainty Bearing theory		
5.4 Dynamic and Innovation Theory		
Unit: VI	Expert lectures, online seminars – webinars	
Textbook(s)		
1 Sankaran S. (2007) “ Micro Economics”, Margham Publications, Madras		
2Jhingan M.L, (2016) “Micro Economic Theory”, Vrinda publications , New Delhi		
Reference Books		
1.Ahuja H.L. (2006) - Modern Micro Economics, S.Chand & Company Ltd, New Delhi.		
2.Agarwal ,H.S. (2008), Micro Economic Theory , Shyam Lal Charitable Trust , New Delhi.		

3 Dewett K.K - Micro Economics, S.Chand, New Delhi, 2009.
4. Koutsoyiannis. (1979) A Modern Micro Economics, Macmillan Press, London.
5. Da Costa., G.C., (1980) Production, Prices and Distribution. New Delhi: Tata McGraw Hill.
6. Hirshlefe, J and A. Glazer., (1997) Price Theory and Applications. Prentice Hall of India, New Delhi.
7. Kennedy, Maria John M., (1999) Advanced Micro Economic Theory. (Second Edition) Himalaya, Publishing House, New Delhi.
8. Stigler, G., (1996) Theory of Price. (Fourth Edition) Prentice Hall of India, New Delhi.
9. Lokanathan, V (2003) Principal of Economics, Economic analysis , S.Chand & Co., New Delhi.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>
1 . <a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> >select Subject and Module

Relationship matrix for Cos, and POSs,

Semester	Code					Title of the Course	Hours	Credit				
IV	21UECO7					Micro Economics-II	4	4				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CO2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CO3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CO4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
CO5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Number of Matches					Relationship							



Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>22UEC08</b>	<b>CAPITAL MARKET</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>CORE COURSE: I</b>		<b>03</b>	<b>03</b>
<b>Pre-requisite</b>			<b>Syllabus Version</b>	
<p><b>The main objectives of this course are to:</b></p> <ol style="list-style-type: none"> <li>1. To know the structure and growth of capital market</li> <li>2. To gain knowledge about the institutional financing for various industries</li> <li>3. To explain the corporate securities, shares and Debentures</li> <li>4. To enable the students to acquaint knowledge about the stock exchanges</li> <li>5. To impart knowledge about the guidelines and functions of SEBI</li> </ol>				
<p><b>Expected Course Outcomes:</b></p>				
<p><b>On the successful completion of the course, the students will be able to:</b></p>				
<b>1</b>	Relate the basic concepts about capital market.			<b>K1</b>
<b>2</b>	Show the various instrument of money market			<b>K2</b>
<b>3</b>	Select the problems of capital market			<b>K3</b>
<b>4</b>	Analysee the bank and other financial company activities			<b>K4</b>
<b>5</b>	Interpret the knowledge of capital market institutions			<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>				
<b>INTRODUCTION TO CAPITAL MARKET</b>				
<b>Unit:1</b>	1.1 Capital Market –Money Market- — Meaning - Role			

	<p>1.2 Constituents of Money Market – Features of Money Market - Importance</p> <p>1.3 Growth of Capital Market in India -</p> <p>1.4 Financial Structure of Capital Market</p> <p>1.5 Recent Trends in Capital Market</p>	
<b>FINANCIAL INSTITUTIONS</b>		
<b>Unit:2</b>	<p>2.1 Industrial Financial Corporation of India</p> <p>2.2 Industrial Development bank of India</p> <p>2.3 Industrial Credit and Investment Corporation of India</p> <p>2.4 Unit Trust of India – Life Insurance Companies</p> <p>2.5 State Financial Corporation</p>	
<b>SHARES AND DEBENTURES</b>		
<b>Unit:3</b>	<p>3.1 Shares - Meaning – Types of Shares</p> <p>3.2 Importance of Shares</p> <p>3.3 Equity Shares – Meaning and Types</p> <p>3.4 Preference Shares – Meaning and Types</p> <p>3.5 Debentures and Bonds - Types</p>	
<b>STOCK EXCHANGES</b>		
<b>Unit:4</b>	<p>4.1 Stock Exchanges Meaning</p> <p>4.2 Functions and services of stock exchange</p> <p>4.3 Stock Exchange Traders</p>	

	4.4 Bombay Stock Exchange (BSE) 4.5 National Stock Exchange(NSE)	
<b>STOCK EXCHANGE BOARD OF INDIA</b>		
<b>Unit:5</b>	5.1 Security Exchange Board of India 5.2 SEBI-objectives 5.3 Functions of (SEBI) 5.4 Regulatory Role 5.5 Powers and Guidelines of (SEBI)	
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Dr.Gurusamy .S.(2008) Capital Market, Vijay Nicole Imprints private limited, Chennai	
<b>2</b>	Deepak Raste.R.(2011), Capital Market in India, New Century Publications, New Delhi	
<b>Reference Books</b>		
<b>1</b>	Ramesh Babu.G.(2013) Capital Market in India,, Concept Publishing Private Limited. New Delhi	
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>		
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> >select Subject and Module	

Semester	Code	Title of the Course					Hours	Credit				
IV	21UECO8	Capital Market					3	3				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		

CO1	✓		✓	✓	✓	✓	✓	✓	✓	✓
CO2	✓	✓	✓		✓	✓		✓	✓	✓
CO3		✓	✓	✓	✓		✓	✓	✓	✓
CO4	✓		✓	✓	✓	✓	✓	✓	✓	✓
CO5	✓	✓	✓		✓	✓	✓	✓	✓	✓

Number of Matches - 43                      Relationship - Very High

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECSAC2</b>	<b>BUSINESS ORGANISATION</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>Second Allied Course - 2</b>	<b>05</b>	<b>03</b>
<b>The main objectives of this course are to:</b>				
<ol style="list-style-type: none"> <li>1. The course aims to provide basic knowledge to the students about the organization management of a business enterprise.</li> <li>2. To make the students aware about various activities of business, business practices and recent trends.</li> <li>3. To study the challenges before the Businesses and setting up of a business enterprise.</li> <li>4. To development the spirit of entrepreneur among the Students.</li> <li>5. Give the knowledge to students about the scientific management in business.</li> </ol>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
<b>1</b>	Define the basic concepts in business organization.			<b>K1</b>
<b>2</b>	Demonstrate to how functional information is utilized in business organization .			<b>K2</b>
<b>3</b>	Outline the concepts of Human Resource Development.			<b>K3</b>
<b>4</b>	Analyse the process of planning.			<b>K4</b>
<b>5</b>	Choose the training in business organization.			<b>K5</b>
<b>6</b>				<b>K6</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>				
<b>Unit:1</b>	<b>INTRODUCTION TO BUSINESS</b>			
1.1 Business organization– meaning – Nature and scope of business organization 1.2 Forms of business organization 1.3 Objectives of business- Knowledge of Trade , Industry and Commerce 1.4 Factors influencing the selection of business 1.5 Essentials of successful business				

<b>Unit:2</b>	<b>OFFICE MANAGEMENT</b>	
<p>2.1. Meaning of office management</p> <p>2.2. Function of office management</p> <p>2.3. Principles of office management</p> <p>2.4. Importance of office management</p> <p>2.5. Centralization and Decentralization Advantages and Disadvantages</p>		
<b>Unit:3</b>	<b>FORMS OF BUSINESS ORGANIZATION</b>	
<p>3.1 .Sole proprietorship – Merits and Demerits</p> <p>3.2 Partnership – benefits of partnership</p> <p>3.3 Joint stock company Advantages and disadvantages</p> <p>3.4 Business Environment – components</p> <p>3.5 Importance of business environment</p>		
<b>Unit:4</b>	<b>FOREIGN TRADE</b>	
<p>4.1 Foreign Trade – Meaning- Advantages and Disadvantages</p> <p>4.2 Importance of foreign Trade</p> <p>4.3 Difference between foreign trade and Home trade</p> <p>4.4 Advertisement- Meaning – Objectives of Advertisement</p> <p>4.5 Insurance – Benefits and Kinds</p>		
<b>Unit:5</b>	<b>SCIENTIFIC MANAGEMENT</b>	
<p>5.1. 5.1 Meaning of Scientific Management</p> <p>5.2 Principles of Scientific Management</p> <p>5.3 Staffing and Control Organization</p>		

5.4 Planning and its objectives -	
5.5 Direction and co-ordination	
<b>Unit:6</b>	Expert lectures, online seminars – webinars
<b>Textbook(s)</b>	
<b>1</b>	Bhushan.Y.K. (2016) Fundamental of Business Organisation and Management, SultanChand and Company and limited. New Delhi
<b>2</b>	Gupta.C.B. (2004) Business Organisation and Management ,SultanChand and Company and limited. New Delhi
<b>Reference Books</b>	
<b>1</b>	Gupta.C.B. (1992) Business Organisation and Management,SultanChand and Company and limited. New Delhi
<b>2</b>	Oommen Nair. Business Organisation and Management, Lions Publications, Madurai
<b>3</b>	Gupta.R.N. (2006) Business Organisation and Management,SultanChand and Company and limited. New Delhi
<b>4</b>	Nair, Nanerjee, Agarwal(2001), Business Administration and management , Pragati Prakasam, Meerut.
<b>5</b>	Sankaran.S.(1993), Business Economics, Margham Publications, Madras
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a> >select Subject and Module

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit
IV	21UECSAC2	Business Organization	5	3
Course	Programme Outcomes (POs)		Programme Specific Outcomes (PSOs)	



Outcomes (Cos)	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓	✓		✓
CO2	✓	✓		✓		✓	✓	✓	✓	✓
CO3	✓	✓	✓		✓	✓	✓	✓		✓
CO4	✓	✓		✓	✓	✓		✓	✓	✓
C005	✓		✓	✓	✓	✓		✓	✓	✓
Number of Matches - 40					Relationship -High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECSAC3</b>	<b>MARKETING</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>Second Allied Course - 3</b>		<b>04</b>	<b>03</b>
<b>The main objectives of this course are to:</b>				
<ol style="list-style-type: none"> <li>1. Students will explore careers in sales and marketing preparing them for the school – to – work transition.</li> <li>2. Global marketing and multicultural awareness will be integrated into lesson.</li> <li>3. Students will learn to work cooperatively.</li> </ol>				

4. Students will be critical thinking skills co projects.
5. Marketing research related skills will be taught and assessed throughout the class.

**Expected Course Outcomes:**

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

<b>1</b>	Lable the marketing functions and foundation and how they relate to one another	<b>K1</b>
<b>2</b>	Infer the knowledge about economics, human resources and marketing and business foundations	<b>K2</b>
<b>3</b>	Make use of experience situations in selling promotion, distribution, risk management, pricing, purchasing, marketing information management, product service planning and financing	<b>K3</b>
<b>4</b>	Conclusion will be prepared for future study of marketing in higher education.	<b>K4</b>
<b>5</b>	Evaluating the marketing based research	<b>K5</b>

**K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create**

<b>Unit:1</b>	<b>INTRODUCTION</b>
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- 1.1 Marketing – Definition – meaning – marketing and economic development.
- 1.2 Scope of marketing- importance of marketing.
- 1.3 Objectives of marketing – Relavance of marketing in a developing economy.
- 1.4 Types of marketing.
- 1.5 Difference between marketing and selling.

<b>Unit:2</b>	<b>FUNCTIONS OF MARKETING</b>
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- 2.1. Functions of marketing
- 2.2. Concentration – Dispersion – Buying
- 2.3. Assembling – Selling Transpiration- Storage
- 2.4. Standardization and grading
- 2.5. AGMARK – ISO ISI – Financing and risk bearing.

<b>Unit:3</b>	<b>MARKETING MANAGEMENT</b>
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- 3.1. Marketing management – Meaning, Evolution of marketing
- 3.2. Department of marketing unit – Functions of marketing management

3.3 Organization of marketing unit		
3.4 Functions of marketing executives		
3.5 problems of marketing management		
<b>Unit:4</b>	<b>MARKETING INFORMATION SYSTEM</b>	
4.1. Marketing information system – meaning Definition- Characteristics.		
4.2. Need for marketing information system.		
4.3. Uses and Components of marketing information system.		
4.4. E- Marketing – meaning – Importance of e- marketing.		
4.5. Problems of E- marketing.		
<b>Unit:5</b>	<b>MARKETING RESEARCH</b>	
1.1 Concept and components of a marketing information system		
1.2 Marketing research- Meaning and scope- process		
1.3 Marketing research procedure- Types and techniques of marketing research		
1.4 Need for marketing research		
1.5 Management of marketing research		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
<b>Textbook(s)</b>		
<b>1</b>	Jayashankar.J(2003), Marketing, Margham Publication, Madras	
<b>2</b>	Dr. Rajannair N. & Sanjith R.Nair(1987), Markeing, Sultan Chand. & Company ,New Delhi	
<b>Reference Books</b>		
<b>1</b>	Piilai .RS.N.,& Bagavathi (1987) Modern Marketing Sultan Chand. & Company ,New Delhi	
<b>2</b>	Panda.R.N. (2013)International Markieting , Advance Learner Press, New Delhi	
<b>3</b>	Chunawalla,Reddy,Appannaiah(2000), Advertising and marketing Research, Himalaya Publishing House, Mumbai	
<b>4</b>	Piilai .RS.N.,& Bagavathi (1997) Modern Marketing Sultan Chand. & Company ,New Delhi	

5	Dr. Rajan Nair N. & Sanjith R.Nair(1993), Markeing, Sultan Chand. & Company ,New Delhi
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

	Code	Title of the Course	Hours	Credit

IV	21UECSAC3	Marketing			4	3				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓	✓		✓
CO2	✓	✓	✓	✓		✓		✓	✓	✓
CO3	✓	✓	✓		✓	✓		✓	✓	✓
CO4		✓	✓	✓	✓	✓		✓	✓	✓
CO5	✓		✓	✓	✓	✓		✓	✓	✓
Number of Matches - 40					Relationship - High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECSEC1</b>	<b>COMPUTER APPLICATION IN ECONOMICS</b>	<b>H</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>Second Elective Course - 1</b>	<b>02</b>	<b>02</b>
<b>The main objectives of this course are to:</b>				
<ol style="list-style-type: none"> <li>1. To make the students to gain knowledge in computers</li> <li>2. To create the students formatting text and slides and unloading file.</li> <li>3. To enable the students to understand the fundamentals of computer</li> <li>4. To Motivate the students to learn MS Power point .</li> <li>5. To understand the downloading and uploading files, email.</li> </ol>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
<b>1</b>	Define the basic computing skills that are, necessary for success.			<b>K1</b>
<b>2</b>	Outline the students with the knowledge of fundamentals of computer.			<b>K2</b>
<b>3</b>	Identify the use of computers for skill development in future .			<b>K3</b>
<b>4</b>	Discover the better opportunities for students in various techniques			<b>K4</b>
<b>5</b>	Create knowledge about use of online resources			<b>K5</b>

**K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate**

**MS WORD**

**Unit:1**

- 1:1 Computers-Operating systems
- 1:2 MS-Word, creating word documents, and editing word documents
- 1:3 Inserting objects, formatting documents, spelling and grammar check
- 1:4 word count, working with tables, saving, opening and closing documents
- 1:5 Mail merge.

**MS - EXCEL**

**Unit:2**

- 2:1 Introduction to spread sheets, application of MS Excel, features
- 2:2 Building and entering
- 2:3 Editing and formatting work sheets
- 2:4 Create and formatting different types of charts
- 2:5 Statistical functions, Table handling

**MS POWER POINT**

**Unit:3**

- 3:1 Creating a new slide, Formatting text and slide
- 3:2 Working with slide show, Insert files, Pictures, Textbox sounds.
- 3:3 Chart and object
- 3:4 Different slide views
- 3:5 Using auto correct, Auto format and Macros.

**INTERNET**

**Unit:4**

- 4:1 Introduction to internet
- 4:2 WWW ,Web pages, Web server
- 4:3 Web sites, modern search engine
- 4:4 Browser
- 4:5 Downloading and uploading files, email and access of Economic Data

**SPSS**

**Unit:5**

- 5:1 Introduction to SPSS
- 5:2 Navigating in SPSS

	5:3 Getting data in and out of SPSS 5:4 Application in Economics 5.5 ANOVA
<b>Unit:6</b>	Expert lectures, online seminars – webinars
<b>Textbook(s)</b>	
<b>1</b>	Pradeep K.Sinha, Priti Sinha,(2011), Computer Fundamentals, BPB Publications, New Delhi.
<b>2</b>	Alexis Leon & Mathews Leon() Computers for Everyone, Vikas Publishign House, New Delhi
<b>Reference Books</b>	
<b>1</b>	Ramesh Bangia(2001), fundamental of Programming Languages, Cybertech Publications, New Delhi
<b>2</b>	Rajaraman. V. 1996. Fundamentals of Computers ( Prentice Hall of India, New Delhi)
<b>3</b>	Darren George & Paul Mallery (2011), SPSS for Windows Step by Step., Dorling Kindersley(India), Private limited, South Asia.
<b>4</b>	Dhamdhere.D.M. (2001)SystemProgramming and Operating System.Tata McGraw Hill publications, New Delhi
<b>5</b>	Lipschultz M.M and S. Lipschultz (1982) Theory and problems and Data Processing. Schaum Outline Series, McGraw Hill, New Delhi.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://www/computerhope.com/issues/ch000505.htm">https://www/computerhope.com/issues/ch000505.htm</a>



Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
IV	21UECSEC1	Computer Application in Economics	2	2						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓	✓	✓	✓	✓	✓	✓
CO2	✓	✓	✓	✓	✓		✓	✓		
CO3			✓	✓	✓	✓	✓	✓	✓	✓
CO4	✓	✓		✓		✓	✓		✓	
C005	✓	✓	✓	✓	✓	✓		✓		✓
Number of Matches - 39					Relationship - High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UEC09</b>	<b>Macro Economics I</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>CORE COURSE - 9</b>		<b>5</b>	<b>5</b>
<p><b>The main objectives of this course are to:</b></p> <ol style="list-style-type: none"> <li>1. To understand the basic concepts of macroeconomics</li> <li>2. To illustrate the concepts of National Income and National Income Accounting</li> <li>3. To examine the Classical theory of output and employment</li> <li>4. To analyse the Keynesian theory</li> <li>5. To discuss the consumption function and General Equilibrium Analysis</li> </ol>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Define the basic concepts of macroeconomics				<b>K1</b>
<b>2</b>	Outline the concepts of National Income and National Income accounting				<b>K2</b>
<b>3</b>	Identify the Classical theory of output and employment				<b>K3</b>
<b>4</b>	Analyse the Keynesian macro analysis				<b>K4</b>
<b>5</b>	Discuss the consumption function and General Equilibrium Analysis				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>Unit:1</b>	<b>BASIC CONCEPTS</b>				
1.1 Meaning and Definition of Macro Economics					

1.2 Nature and scope of Macro Economics 1.3 Macro Statics: Meaning and Nature 1.4 Macro Dynamics: Meaning and Nature 1.5 Comparative Statistics: Meaning 1.6 Difference between Micro Economics and Macro Economics 1.7 Importance and Limitations of Macro Economics		
<b>Unit:2</b>	<b>NATIONAL INCOME</b>	
2.1 Meaning and definitions 2.2 Basic concepts of National Income 2.3 Methods of National Income estimates 2.4 Difficulties in National Income Accounting 2.5 Uses of calculation of National Income 2.6 Social Accounting		
<b>Unit:3</b>	<b>CLASSICAL THEORY OF OUTPUT AND EMPLOYMENT</b>	
3.1 J.B.Say's Law of Markets 3.2 Pigou's reformulation 3.3 Unemployment and Full employment 3.4 Types of Unemployment 3.5 Methods to measure Unemployment 3.6 Reasons for Unemployment, Remedial Measures		
<b>Unit:4</b>	<b>KEYNESIAN MACRO ANALYSIS</b>	
4.1 An outline of the economic ideas of J M Keynes 4.2 Employment: Income- Production – Methods 4.3 Equilibrium - Aggregate Demand and Aggregate Supply 4.4 Saving – Investment equality 4.5 Paradox of Thrift		
<b>Unit:5</b>	<b>CONSUMPTION FUNCTION AND GENERAL EQUILIBRIUM ANALYSIS</b>	
5.1 Meaning of consumption Function 5.2 Average Propensity to Consume and Marginal Propensity to consume 5.3 Factors determining consumption function 5.4 Keynes Psychological law of consumption 5.5 Determinants of Consumption 5.6 General Equilibrium – IS and LM Frame work		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
<b>Textbook(s)</b>		
<b>1</b>	Bright Singh.D. (1983) Macro Economics, Emerald Publishers , Madras	
<b>2</b>	Sankaran.S.(2006), Macro Economics,Margham Publications ,Madras	
<b>Reference Books</b>		

1	Jhingan.M.L. (2010), Macro Economic Theory, Vrinda Publications, New Delhi
2	Hajela.T.N. (1982), Macro Economics, Shiva Lal Agarwala Company, New Delhi.
3	Sankaran.S.(1984), Macro Economics, Shree Karthikeyan Publications , Madras
4	Dwivedi.D.N. (2009), Marco Economics, Tata McGraw Hill Publishing Company Limited. New Delhi.
5	Vaish.M.C. (1987) Macro Economic Theory Allied Publishers Private Limited, New Delhi.
6	Vaish.M.C. (2014) Macro Economic Theory, Vikas Puhlishing House, New Delhi.
7	Ahuja.H.L.(2013), Macro Economics Theory and Policy, Sultan chand & Company Private limited. New Delhi
8	Deepashree & Vanitha Aggarwal(2012), Macro Economics, Ane Books Private limited, New Delhi
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
V	21UEC09	Macro Economics- I	5	5						
Course Outcomes	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5

(Cos)										
CO1	✓	✓			✓	✓	✓	✓		✓
CO2	✓	✓	✓		✓	✓	✓	✓	✓	✓
CO3	✓	✓		✓		✓		✓	✓	✓
CO4	✓	✓		✓	✓	✓	✓	✓		✓
CO5	✓	✓	✓	✓	✓	✓	✓		✓	✓
Number of Matches -40					Relationship-Very High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UEC10</b>	<b>FISCAL ECONOMICS I</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>CORE COURSE-10</b>	<b>05</b>		<b>05</b>
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>• To understand the economics of government expenditure and taxation.</li> <li>• To use economic analysis to predict and verify the effects of government intervention on behaviour of individuals, households, and firms</li> <li>• To discuss the implications of policy for efficiency and equity.</li> <li>• To analyze public goods, externalities, and information asymmetries; market failures resulting</li> <li>• From these conditions and policies to address those market failures; taxes; and expenditures.</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Find the conceptual clarity of public expenditure and revenue theories				<b>K1</b>
<b>2</b>	Classify the principle of optimal taxation in analyzing various governments tax policies				<b>K2</b>
<b>3</b>	Apply the application of public economics in analyzing various energy policies				<b>K3</b>
<b>4</b>	Take part in various types of public goods and its real world application				<b>K4</b>
<b>5</b>	Evaluate and integrate Equity and Efficiency Economics principles to analyse Energy consumption. Catalog Description				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>Unit:1</b>	<b>INTRODUCTION</b>				
1.1.Meaning of fiscal economics – Nature and scope of fiscal economics 1.2.Public finance meaning- Difference between public finance and private finance 1.3.Principle of taxation – benefit principle – Cost of service 1.4.Principle of maximum social advantage 1.5.Progressive regressive and Proportional Taxation.					
<b>Unit:2</b>	<b>PUBLIC REVENUE</b>				
2.1. Tax Revenue- Direct and indirect taxes- Taxable capacity. 2.2. Incidence- Impact of taxation 2.3. Shifting of tax – shifting tax burden- Non tax revenue					

<p>2.4. Excise duty and custom duty.</p> <p>2.5. Value added tax- General sales tax</p>		
<b>Unit:3</b>	<b>PUBLIC EXPENDITURE</b>	
<p>3.1 Meaning of Public Expenditure – Growth of Public Expenditure- Control of Public Expenditure</p> <p>3.2 Wagner’s Theorem of Public Expenditure</p> <p>3.3 Public Debt – Meaning – Types of Public Debt- Causes of Public Debt</p> <p>3.4 Effect of Public Debt - Burden of Public Debt – Redemption of Public Debt</p> <p>3.5 Public Budget- Concept of Public Budget – Types of Public Budget</p>		
<b>Unit:4</b>	<b>FEDERAL FINANCE</b>	
<p>4.1 Meaning of Federal Finance - Principles of Federal Finance</p> <p>4.2 Problems of Federal Finance</p> <p>4.3 Central and State financial relations - Finance Commissions</p> <p>4.4 14<sup>th</sup> Finance Commission Report- Local Finance</p> <p>4.5 Budgetary Policy</p>		
<b>Unit:5</b>	<b>FISCAL POLICY</b>	
<p>5.1 Meaning of Fiscal Policy - Objectives of Fiscal Policy - Importance of Fiscal policy</p> <p>5.2 Instruments and Tools of Fiscal Policy</p> <p>5.3 Difference between Fiscal Policy and Monetary Policy</p> <p>5.4 Measures of fiscal policy</p>		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
<b>Textbook(s)</b>		
<b>1</b>	Sankaran.S. (2006), Fiscal Economics, Margham Publications, Madras	

2	Vaish.M.C.& Agarwal.H.S.(1989), Public Finance, Wiley Eastern limited, New Delhi.
<b>Reference Books</b>	
1	Tyagi.B.P.(1990) Public Finance , Jai Prakash Nath Publications, Meerut.
2	Sundharam.K.P.M. (1986) Public Finance Sultan Chand & Company Limited New Delhi
3	Prest.A.R.(1970)Public Finance in Theory and Practice, The English Language Book Society.London
4	Maduri Srivastava (1981) Fiscal Policy and Economic Development in India, Chugh Publications , Alagabad
5	Alan peacock & Shaw.G.K. (1979)The Economic Theory of Fiscal Policy, Sultan Chand & Company Limited New Delhi
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,



Semester	Code	Title of the Course	Hours	Credit						
V	21UEC10	Fiscal Economics	5	5						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓	✓		✓	✓
CO2		✓	✓	✓	✓		✓	✓	✓	✓
CO3	✓	✓		✓	✓	✓	✓	✓	✓	✓
CO4		✓	✓	✓	✓		✓	✓		✓
CO5	✓	✓	✓		✓	✓	✓	✓	✓	
Number of Matches -39					Relationship - High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course					Hours	Credit				
V	21UEC11	Entrepreneuership Development					4	4				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓	✓	✓	✓		✓	✓	✓	✓			
CO2	✓		✓	✓	✓		✓	✓		✓		
CO3	✓	✓		✓	✓	✓		✓	✓	✓		
CO4	✓		✓	✓		✓	✓	✓		✓		
C005		✓	✓	✓	✓	✓	✓	✓	✓			
Number of Matches - 38						Relationship –High						

Mapping	1-20	21-40	41-60	61-80	81-100

Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UEC11</b>	<b>ENTREPRENEURSHIP DEVELOPMENT</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>CORE COURSE-11</b>		<b>4</b>	<b>4</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• State the Meaning of entrepreneurship and Functions of entrepreneur</li> <li>• Describe the importance of entrepreneurship</li> <li>• Explain the issues and problems faced by entrepreneurs</li> <li>• To identify various sources of project finance</li> <li>• Explain the issues and problems of women entrepreneur</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	List out the expected students learning for the entrepreneurship development				<b>K1</b>
<b>2</b>	Understanding the entrepreneurial problems				<b>K2</b>
<b>3</b>	Make use of design creative strategies for pursuing exploiting and further developing new opportunities				<b>K3</b>
<b>4</b>	Analyse the institutions assignment of entrepreneur				<b>K4</b>
<b>5</b>	Evaluate the way of women entrepreneurship				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>BASIC CONCEPTS</b>					

<b>Unit:1</b>	<p>1.1 Meaning and Concept of Entrepreneurship</p> <p>1.2 Classification of Entrepreneurs</p> <p>1.3 Type of Entrepreneurs</p> <p>1.4Qualities of a successful Entrepreneur</p> <p>1.5Functions-Role of Entrepreneurs in Economic Development.</p>
<b>PROJECT FORMULATION</b>	
<b>Unit:2</b>	<p>2.1 Search for business idea</p> <p>2.2 Steps to start a small scale industry</p> <p>2.3 Project-Meaning-Objectives</p> <p>2.4Classification Formulation of a project</p> <p>2.5Need and Significance Training for skill development</p>
<b>PROJECT FINANCE</b>	
<b>Unit:3</b>	<p>3.1 Meaning of Project Finance</p> <p>3.2 Sources of project finance</p> <p>3.3SIPCOT Meaning and Functions</p> <p>3.4 SIDBI-NSIC-MSME-Self Help Groups</p> <p>3.5 Functions of Canara Bank-CANBASAR-All national banks.</p>
<b>INSTITUTION ASSISTING ENTREPRENEUR</b>	
<b>Unit:4</b>	<p>4.1 Institutional Infrastructure</p> <p>4.2 Functions of DIC-NIESBUD</p> <p>4.3NAYE-SIE TI-ITCOT</p> <p>4.4 KVIC in India</p>

	4.5 SIDCO-Trade centre-Distribution-Need.
<b>WOMEN ENTREPRENEURS</b>	
<b>Unit:5</b>	<p>5.1 Women Entrepreneurship-Meaning</p> <p>5.2 Problems-Steps to encourage women Entrepreneurs</p> <p>5.3 Rural Entrepreneurship,Trade Centre-District wise</p> <p>5.4 Need-Steps to promote Rural Entrepreneurship</p> <p>5.5. Women Entrepreneur in India</p>
<b>Unit:6</b>	Expert lectures, online seminars – webinars
	<b>Total Lecture hours</b>
<b>Textbook(s)</b>	
<b>1</b>	Balu.V. (1996) Entrepreneurial Development, Sri Venkateswara publications, Madras
<b>2</b>	Jayashree Suresh(2013), Entrepreneurial Development, Margham Publications, Madras.
<b>Reference Books</b>	
<b>1</b>	Gupta, Srinivasan.N.P.(1999), Entrepreneurial Development, Sultan Chand & Company Limited New Delhi.
<b>2</b>	Ramachandrasn.K.(2009) Entrepreneurship Development, Tata McGraw Hill Educational Private limited, New Delhi
<b>3</b>	Chhikara.M.S. (2007) Entrepreneurial Challenges and Opportunities, Anurag Jain for Excel Books, New Delhi
<b>4</b>	Khanka.S.S.(2007),Entrepreneurial Development. Sultan Chand & Company Limited New Delhi.
<b>5</b>	Vasant Desai(2009),Dynamics of Entrepreneurship Management, Himalaya Publishing House Mumbai.
<b>6</b>	Dayanandhan.R Nilasco Arputharaj.(2012) Entrepreneurship Development and Small Business Management, Deep & Deep Publications private limited, New Delhi.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course					Hours	Credit				
V	21UEC12	Agricultural Economics					5	5				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓		✓	✓	✓	✓	✓	✓		✓		
CO2	✓	✓		✓	✓	✓	✓	✓	✓			
CO3	✓	✓	✓	✓	✓		✓	✓	✓			
CO4	✓		✓	✓	✓	✓		✓		✓		
C005	✓	✓	✓		✓	✓		✓	✓			
Number of Matches - 38					Relationship - High							
Mapping	1-20		21-40		41-60		61-80		81-100			
Matches	1-10		11-20		21-30		31-40		41-50			
Relationship	Very poor		Poor		Moderate		High		Very High			

<b>Course code</b>	<b>21UEC12</b>	<b>AGRICULTURAL ECONOMICS</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>CORE COURSE - 12</b>		<b>5</b>	<b>5</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• To build a strong foundation in Agricultural Economics</li> <li>• To develop knowledge about the irrigation practices</li> <li>• To understand the agricultural marketing and warehousing utilization.</li> <li>• To know about the sources of Agricultural finance</li> <li>• To impart the knowledge about the Bhoodan movement and agricultural Labour.</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Define the students with basic concepts in Agriculture				<b>K1</b>
<b>2</b>	Explain the use of fertilizer production, cattle feeds and land reclamation				<b>K2</b>
<b>3</b>	Make use of knowledge in addressing the issues of agricultural marketing-				<b>K3</b>
<b>4</b>	Categorize the knowledge about the various sources of agricultural finance-				<b>K4</b>
<b>5</b>	CO5 Evaluate the problems of Agricultural labour and level of unemployment				<b>K5</b>
<b>6</b>					<b>K6</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					

<b>Unit:1</b>	<b>NATURE AND SCOPE OF AGRICULTURAL ECONOMICS</b>	
<p>1.1 Agriculture Economics- Meaning</p> <p>1.2 Role of Agriculture- Productivity of Agriculture – Causes for low Productivity - Problems</p> <p>1.3 Agriculture Development under five year plans</p> <p>1.4 Land Reforms – Need – System of land Reforms</p> <p>1.5 Ryotwari system – Mahalwari system – Green Revolution – White - Yellow revolution.</p>		
<b>Unit:2</b>	<b>AGRICULTURAL INPUTS AND METHODS</b>	
<p>2.1 Seeds – fertilizer production</p> <p>2.2 Problems of fertilizer industry</p> <p>2.3 Irrigation and its types</p> <p>2.4 Cattle feeds and fodder – Soil Conservation, Dry Farming</p> <p>2.5 Land Reclamation and Development</p>		
<b>Unit:3</b>	<b>AGRICULTURAL MARKETING AND WAREHOUSING</b>	
<p>3.1 Meaning – Features of Agricultural Marketing</p> <p>3.2 Defects of Agricultural Marketing</p> <p>3.3 Regulated Markets – Grading- Standardisation</p> <p>3.4 Warehousing –Meaning and Types of warehousing</p> <p>3.5 Utilization of warehousing</p>		
<b>Unit:4</b>	<b>AGRICULTURAL FINANCE</b>	
<p>4.1 Meaning and Sources of Agricultural Finance</p> <p>4.2 Rural indebtedness</p> <p>4.3 SACP AND Agricultural Refinance Development Corporation</p> <p>4.4 RIDF AND NABARD</p> <p>4.5 Role of Credit Institutions</p>		



<b>Unit:5</b>	<b>AGRICUTURAL LABOUR</b>	
<p>5.1 Meaning of Agriculture labour</p> <p>5.2 Problems of Agriculture Labour</p> <p>5.3 Causes for poor conditions of labour</p> <p>5.4 Bhoodan movement</p> <p>5.5 Unemployment and underemployment</p>		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Sankaran.S. (1999). Agricultural Economy of India. Margham Publications. Chennai.	
<b>2</b>	Mamoria.C.B(1985). Agricultral Problems in India.Kitab Mahal, Allahabad	
<b>Reference Books</b>		
<b>1</b>	Ajay Kumar Tomar, Indu Varshney, Shobha Jain, (2014), Indian Agriculture, Asian Offset Press , New Delhi	
<b>2</b>	Chandankede.T.R(2014)Agriculture and Water Management, Sathyam Publishers and Distributors, Jaipur	
<b>3</b>	Arora.R.C. (1972) Development of Agriculture, Sultan Chand & Company limited, New Delhi	
<b>4</b>	Hanjabam Isworchandra Sharma (2012),Agricultural Economics, Harmain Offset press, New Delhi.	
<b>5</b>	Benjamin.R.E. Hariharan.S.V. & Karunakaran.M. (1989)Economics of Agriculture, Sultan Chand & Company limited, New Delhi	
<b>6</b>	Dr. Smitha.S. Patel(2012)Agriculture and Rural Development in India , Paradise publishers, Jaipur	
<b>7</b>	Somu Giriappa & Vivekanada .M.. (1984)Agricultural Development in India.,Ashish	

Publishing House, New Delhi.					
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>					
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>				
<b>Course code</b>	<b>21UECME1</b>	<b>ENVIRONOMICS</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>Major Elective Course - 1</b>	<b>04</b>		<b>04</b>
<ul style="list-style-type: none"> <li>To Provide a comprehensive introduction to the economic analysis of issues arising from the interactions between the natural environment and the human economy.</li> <li>Underscores the role of entropy laws in the process of in traction.</li> <li>It focuses on ecosystem – services and discusses comprehensively the challenges arising due to externalities, public- good character and non – tradability of such services.</li> <li>In particular, it highlights the resulting nature of market failure along with issues for social welfare and distribute implications in demining human well – being.</li> <li>The course adapts both micro – and macroeconomic perspective to the environmental issues</li> </ul>					
<b>Expected Course Outcomes:</b>					
1	Find the environmental issues in relation to the theory of externalities, public goods. And welfare.				<b>K1</b>
2	Illustrate and examine economic principles concerning the choice of instruments controlling pollution and relative strength and weaknesses of environmental policies based on command- and control via- a via – market – based instruments.				<b>K2</b>
3	Take part in contemporary environmental issues from and economist’s point of view.				<b>K3</b>
4	Identify the various approaches and methods developed for valuing environmental goods and services.				<b>K4</b>
5	Discuss the process of sustainable development and cost benefit analysis.				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>Unit:1</b>	<b>ECONOMY AND THE NATURAL ENVIRONMENT</b>				

1.1 The human economy –Natural environment interaction- Biophysical foundations of production and consumption of human economy sources and sink functions of the ecosystem.

1.2 Environment and Elements of ecology

1.3 Material balance approaches - concept and conditions of sustainability - human economy.

1.4 Classification --cauterization for resources pollution as a public good. Role of Externalities fundamental determinants.

1.5 Property Rights, market Spatial – temporal dimensions of externality.

**Unit:2**

**THEORY OF ENVIRONMENTAL REGULATION AND  
POLICY**

2.1. The socially optimal level of pollution and pareto optima allocation of resources- How to ensure the attainment optimal pollution.

2.2. Assignment of property Rights: Coase theorem and its limitation

2.3. Government interventions-Command and control: standard setting, market based instrument

2.4. Pigouvian taxes – emission charges, ambient charges, product charges, subsidies, noncompliance fees, Tradable pollution permits.

2.5. Uncertainty and choice of regulatory instrument.

**Unit:3**

**TRADE AND ENVIRONEMTNT**

3.1. Environmental standard as a determinants of (a) Pattern of trade and its welfare implications

3.2 The vocational distribution of polluting industries across the developed and developing countries

3.3 The directions of flow of foreign direct investment

3.4. WTO and global convergence of environmental standard

3.5. Analysis of three cases in GATT - WTO

<b>Unit:4</b>	<b>ENVIRONMENTAL BROBLEMS AND ITS SOLLUTIONS</b>	
<p>4.1 Conventional Policy- Environment standards</p> <p>4.2 Efficiency of environmental Standards – Command and control approach</p> <p>4.3 Market based policy- Pollution charges and environment subsidies</p> <p>4.4 Deposited refund system- Pollution permit trading systems</p> <p>4.5 Environment Regulations in India.</p>		
<b>Unit:5</b>	<b>SUSTAINABLE AND ECONOMIC DEVELOPMENT</b>	
<p>5.1 Sustainable development- Concept and measurement</p> <p>5.2 Capital theoretic basis of the notion of sustainable development- Sustainable development as non – declining in temporal utility or that of the value of the wealth.</p> <p>5.2 The relation between development environmental qualities.</p> <p>5.3 Development vs conservation of environmental resources.</p> <p>5.4 Environmental Cost Benefit Analysis under strong and weak conditions of sustainability.</p>		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
<b>1</b>	Karpagam. M(2021),“ <b>Environmental Economics</b> ”, Sterling Publishers Private limited , New Delhi.	
<b>2</b>	S.Sankaran.(2004) Environmental Economics, Margham Publications .Madras	

<b>Reference Books</b>	
<b>1</b>	Kolstad, C.D. (2007), “ <b>Environmental Economics</b> ”, Oxford University Press, New Delhi.
<b>2</b>	Sankaran.S.(2001), Business Environment. Margham Publications. Madras
<b>3</b>	Steve Baker. (2003), Environmental Economics. Dominant publishers and Distributors. New Delhi.
<b>4</b>	Rai.R.K.,Mohapatra.A.C. Goel.N.P. Environmental Management, Rawat Publications. New Delhi.
<b>5</b>	Pushpam Kumar(2005), Economics of Environment and Development , Ane Books New Delhi.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the	Hours	Credit

		Course									
V	21UECME1	Environomics					4			4	
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	✓		✓	✓	✓		✓	✓	✓	✓	
CO2	✓	✓		✓	✓	✓		✓	✓	✓	
CO3	✓	✓	✓	✓		✓	✓	✓		✓	
CO4	✓	✓		✓	✓	✓	✓	✓	✓		
C005		✓	✓	✓	✓	✓		✓	✓		
Number of Matches - 39					Relationship - High						

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

**SEMESTER – V**

**Soft Skill for Professionals – 21USEC3  
Skill Enhanced Course – 3**

**2 Hrs  
2 Credit**

## **OBJECTIVES**

Today's world is all about relationship, Communication and Presenting one self, one's ideas and the company in the most positive and impactful way. This course intends to enable students to achieve excellence in both personal and professional life.

### **UNIT:I**

Know Thyself-Understanding-Self –introduction to Soft Skills-Self discovery

Developing positive attitude-Improving –Perceptions-Forming values

### **UNIT –II**

Interpersonal skills/Understanding others- Developing interpersonal relationship

Team building-group dynamics- Net working - Improved work relationship

### **UNIT-III**

Communication skills /Communication with others-Art of listening ,reading writing, speaking-Art of e-mail-e-mail etiquette

### **UNIT –IV**

Corporate skills/Working others -Developing body language- Protecting - etiquette and mannerism-Time management- Stress management

### **UNIT – V**

Selling self/Job hunting- Writing Resume /CV interview skills- Group discussion

Mock interview-Mock GD-Goal setting- Career planning

<b>Course code</b>	<b>21UECNME1</b>	<b>ECONOMICS FOR COMPETITIVE EXAMINATION I</b>	<b>L</b>	<b>P</b>	<b>C</b>
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<b>Core/Elective/Supportive</b>	<b>Non Major Elective- I</b>		<b>2</b>	<b>2</b>
<b>The main objectives of this course are to:</b>				
<ul style="list-style-type: none"> <li>• To acquire the knowledge about the basic concepts in Economics</li> <li>• To know the significance of demand analysis.</li> <li>• To estimate the importance of National Income</li> <li>• To realize the problems of inflation</li> <li>• To improve knowledge about the money and banking</li> </ul>				
<b>Expected Course Outcomes:</b>				
<b>On the successful completion of the course, the students will be able to:</b>				
<b>1</b>	Define the knowledge about the basic concept in Economics			<b>K1</b>
<b>2</b>	Compare the demand analysis in future			<b>K2</b>
<b>3</b>	Identify the uses of calculating the National Income			<b>K3</b>
<b>4</b>	Compare the rate of inflation and its causes in economy			<b>K4</b>
<b>5</b>	Evaluate the value of Money and Banking			<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>				
<b>Unit:1</b>	<b>INTRODUCTION TO ECONOMICS</b>			
1.1 Definition of Economics – Micro Economics, Meaning 1.2 Macro Economics – Definition 1.3 Utility- Objectives of Utility 1.4 Meaning of Total , Average , and Marginal Utility. 1.5 Law of Diminishing Marginal Utility.				
<b>Unit:2</b>	<b>CONSUMER BEHAVIOUR</b>			
2.1 Demand Analysis- Meaning 2.2 Law of Demand and Types of Demand 2.3 Significance of Demand 2.4 Factors Influencing Elasticity of Demand 2.5 Income and Cross elasticity of demand				



<b>Unit:3</b>	<b>NATIONAL INCOME</b>	
3.1 National income – Meaning 3.2 Importance of National Income - Types 3.3 GNP – NNP- GDP 3.4 Personal Income – Disposable Income Importance 3.5 Methods and Difficulties		
<b>Unit:4</b>	<b>INFLATION</b>	
4.1 Meaning of Inflation 4.2 Types of Inflation 4.3 Causes of Inflation 4.4 Remedies of Inflation 4.5 Deflation		
<b>Unit:5</b>	<b>MONEY AND BANKING</b>	
5.1 Meaning of money 5.2 Kinds of money 5.3 Importance of money 5.4 Commercial and central bank 5.5 Function of Commercial Bank and Central Bank		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Dhingra.I.C. (1984) Foundations of Indian Economy, Sultan Chand & Company Limited, New Delhi	
<b>2</b>	Sankaran.S. (1984) Indian Economic Problems ,policies, and Development, Margham Publication, Madras	
<b>Reference Books</b>		

1	Dewett.K.K. Varma.J.D..Sharma.M.L. (1990) Indian Economy, Sultan Chand & Company Limited New Delhi.
2	Misra.S.K. Puri.V.K.(1990) Structure and problems of Indian Economy, Himalaya Publishing House, Bombay
3	Ruddar Dutt & Sundaram.K.P.M.(1990) Indian Economy. Sultan Chand & Company Limited, New Delhi
4	Sankaran.S.(1984), Economic Analysis, Shree Karthikeyan Publications. Madras
5	Sankaran.S.(1984), Indian Economy Problems, Policies and Development, Margham Publications, Madras.
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit
V	21UECNME1	Economics for	2	2

	Competitive Examination - I									
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓	✓		✓	✓	✓	✓		✓
CO2	✓	✓		✓		✓	✓	✓	✓	✓
CO3	✓	✓	✓	✓	✓	✓		✓	✓	
CO4		✓	✓	✓		✓	✓	✓		✓
CO5	✓		✓	✓	✓	✓	✓		✓	✓
Number of Matches - 39					Relationship - High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

**Semester V**

**SKILL BASED ELECTIVE  
YOGA AND HEALTH – 21USB1**

**1 Hr  
1 Credit**

**Objectives**

- Acquire knowledge to have good health through yoga mental hygiene.
- Bring about a state of calm Clarity, balanced energy, lightness of body and mind.

- Strengthen the connection between our body and mind.
- Possess emotional stability and to attain higher level of consciousness.
- Develop basic benefits of yoga, in connection with our human welfare, and social qualities.

### **Unit: I Introduction of Yoga**

Definition of yoga - Aims & Objectives of yoga – misconception about yoga - Contributions of pattanjali and Tirumular of yoga – Yama – Niyama - - Asanas - - Pranayama – pratyahara - Dharana- Dhiyana- Samathi – Classification of Yoga – Comparison between yoga practices & Physical exercises – Yoga diet – stress – Depression – Stress management through yoga.

### **Unit II Asanas and Practices**

Asanas – Classification of Asanas – Meditative Asanas – Relaxative Asanas - Cultural Asanas – Precautions while performing Asanas, Asanas Practices: Sukhasana – siddhaasana – padmasana – Vajarasana, Relaxative Asanas – Makarasana – Shavasana.

### **Unit III Pranayamas & Practices**

Pranayama – Different phases in phase in practices – Impact of yoga on Muscular system – Respiratory system – circulatory system, Digestive system and Endocrine system- Nervous system- suha pranayama- Nadi Shodhana – Sitkari pranayama- Nadi Shodhana – Sitkari pranayama- Sitali Pranayama- Chandra Bhedana pranayama – Surya Bhe Dana pranayama.

### **UNIT IV Meditation**

Meditation for Meditation (sitting in meditation Asanas with concentration on tip of nose and centre eye brow) Pranadarana (body awareness) Yoga Nitra, Kriyas-mudras (Chinmudras, Chinmaya-mudras- Aswini mudra – Shamugi mudra

### **UNIT V Health and personality**

Health- various dimensions of health (Physical, mental, social and spiritual)-physical fitness- stress control exercise sitting meditation and walking meditation- progressive muscle relaxation, gentle stretches - Yoga and development of social Qualities – Personality- co-operation – simplicity- Tolerance. Improvement of personal efficiency- physical efficiency- psychological efficiency and emotional efficiency through yoga.

<b>Course code</b>	<b>21UEC13</b>	<b>Macro Economics- II</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>CORE COURSE - 13</b>			<b>5</b>	<b>5</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• To understand the basic concepts of investment and determining factor</li> <li>• To predict the working of multiplier and accelerator</li> <li>• To describe the causes and effects of inflation and deflation</li> <li>• To Examine the theoretical knowledge of macro theories of distribution</li> <li>• To criticize the current issues related to fiscal and monetary policy in India</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Define the basic concepts of investment and determining factors				<b>K1</b>
<b>2</b>	Compare the working of multiplier and accelerator				<b>K2</b>
<b>3</b>	Identify the causes and effects of inflation and deflation				<b>K3</b>
<b>4</b>	Examine the theoretical knowledge of macro theories of distribution				<b>K4</b>
<b>5</b>	Explain the current issues related to fiscal and monetary policy in India				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>Unit:1</b>	<b>INVESTMENT FUNCTION</b>				
1.1 Meaning and Definition 1.2 Different Types of Investment 1.3 Marginal Efficiency of Capital (MEC) 1.4 Determinants of Investment Function 1.5 Interest Rate and Liquidity Preference Theory 1.6 Sources to increase Investment					
<b>Unit:2</b>	<b>MULTIPLIER AND ACCELERATOR</b>				
2.1 Meaning and Definition 2.2 Marginal Propensity to Consume 2.3 Working of Multiplier -Leakages of Multiplier 2.4 Khan's Employment Multiplier 2.5 Working of Acceleration Principle 2.6 Interaction between Multiplier and Accelerator					
<b>Unit:3</b>	<b>INFLATION AND DEFLATION</b>				
3.1 Meaning and Definition 3.2 Types of Inflation					

3.3 Inflationary Gap		
3.4 Causes, Effects and Control of Inflation		
3.5 Causes Effects and Control of Deflation		
3.6 Stagflation- Phillips curve		
<b>Unit:4</b>	<b>MACRO THEORIES OF DISTRIBUTION</b>	
4.1 Meaning of Distribution		
4.2 Types of Distribution		
4.3 The Ricardian Theory of Distribution		
4.4 The Marxian Theory of Income – Distribution		
4.5 Kaldor’s Theory of Distribution		
4.6 Keynes’s Theory of Income - Distribution		
<b>Unit:5</b>	<b>MACRO ECONOMIC POLICY</b>	
5.1 Macro Economic policy: Meaning, Objectives,		
5.2 Objectives of Macro Economic policy		
5.3 Instruments of Macro Economic Policy		
5.4 Meaning and Objectives of Fiscal Policy		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Bright Singh.D. (1983) Macro Economics, Emerald Publishers , Madras	
<b>2</b>	Sankaran.S.(2006), Macro Economics, Margham Publications ,Madras	
<b>Reference Books</b>		
<b>1</b>	Jhingan.M.L. (2010), Macro Economic Theory, Vrinda Publications, New Delhi	
<b>2</b>	Hajela.T.N. (1982), Macro Economics, Shiva Lal Agarwala Company, New Delhi.	
<b>3</b>	Sankaran.S.(1984), Macro Economics, Shree Karthikeyan Publications , Madras	
<b>4</b>	Dwivedi.D.N. (2009), Macro Economics, Tata McGraw Hill Publishing Company Limited. New Delhi.	
<b>5</b>	Vaish.M.C. (1987) Macro Economic Theory Allied Publishers Private Limited, New Delhi.	
<b>6</b>	Vaish.M.C. (2014) Macro Economic Theory, Vikas Publishing House, New Delhi.	
<b>7</b>	Ahuja.H.L.(2013), Macro Economics Theory and Policy, Sultan chand & Company Private limited. New Delhi	

8	Deepashree & Vanitha Aggarwal(2012), Macro Economics, Ane Books Private limited, New Delhi
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Semester	Code	Title of the Course	Hours	Credit
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<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

VI	21 UEC13	Macro Economics - II				5	5				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)					
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	
CO1	✓	✓	✓	✓	✓	✓	✓	✓		✓	
CO2	✓	✓		✓		✓	✓	✓	✓	✓	
CO3	✓		✓	✓	✓		✓	✓	✓		
CO4	✓		✓	✓	✓	✓		✓		✓	
C005	✓	✓	✓		✓	✓		✓	✓		
Number of Matches -38					Relationship –Very High						
Mapping	1-20		21-40		41-60		61-80		81-100		
Matches	1-10		11-20		21-30		31-40		41-50		
Relationship	Very poor		Poor		Moderate		High		Very High		



<b>Course code</b>	<b>21UEC14</b>	<b>Fiscal Economics -II</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>CORE COURSE: I</b>	<b>06</b>		<b>05</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• Explain the basic concept of public debt</li> <li>• Identify the budgetary procedure in India</li> <li>• Help the students to know the role of fiscal policy in developing country</li> <li>• Familiarize the students about the principles of federalism</li> <li>• Know the problems of local bodies</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Define the public debt and its impact				<b>K1</b>
<b>2</b>	Demonstrate the budgetary procedures				<b>K2</b>
<b>3</b>	Make use of deficit financing and economic control				<b>K3</b>
<b>4</b>	Assume the federal system in India				<b>K4</b>
<b>5</b>	Explain the problems of local bodies				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>Unit:1</b>					
<b>Public Debt</b>					
1 1 Meaning and Classification of Public Debt. 1 .2 Causes of Public Debt- Burden of Pubic Debt 1 3 Effects of Public Debt- Sources of Public Borrowings 1 .4 Redemption of public Debt. 1. 5 Public debt and Economic growth in underdeveloped countries. 1 6 India’s public Debt.					

<b>Unit:2</b>	<b>Budget</b>	
2 1 Meaning and objectives of Budget 2 2 Classification of Budget.- Zero Based Budget 2 3 Budgetary Procedures in India 2 4 Budgetary impact on Economic growth 2.5 An Appraisal of Recent Union Budget of India		
<b>Unit:3</b>	<b>Fiscal Policy and Economic Stability</b>	
3 1 Meaning and objectives of fiscal policy 3 2 Modern Concept of fiscal policy 3 3 Fiscal Policy for Unemployment in an developing Economy 3 4 Role of Fiscal Policy in a Developing Country like India 3 5 Role of Deficit financing in promoting Economic Development Limitations of Fiscal Policy		
<b>Unit:4</b>	<b>Fiscal Federalism</b>	
4 1 Meaning of Federal finance 4 2 Principles of Federal finance 4 3 Centre- State Financial Relation and Conflicts 4 4 The problems of financial allocation 4 5 Finance commissions in India		
<b>Unit:5</b>	<b>Local Finance</b>	
5 1 Meaning and structure of local finance 5 2 Difference between state finance and local finance		

5 3 Sources of revenue of local bodies		
5 4 Problems of local bodies in India		
5 5 Suggestions for improvement in local finance		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Buchanan, J.M. (1968) The Demand and Supply of Public Goods, Rand McNally, Chicago.	
<b>2</b>	Peacock. A. and D.J. Robertson (Editors) (1963), Public Expenditure: Appraisal and Control	
<b>Reference Books</b>		
<b>1</b>	Public Finance in Theory and Practice, Richard A. Musgrave and Peggy B. Musgrav (1984), McGraw, Hill book Company Pvt. Ltd., New Delhi.	
<b>2</b>	.Public Finance, Dr.B.P.Tyagi (2012), Jai Prakash Publications, Meerut.	
<b>3</b>	Public Finance (Fiscal Policy), R.Cauvery, V.K.SudhaNayar, M.Girija, N.Kruparam& R. Meenakshi (2003), S. Chand and Company Pvt. Ltd., New Delhi.	
<b>4</b>	Singh S.K. (2014). Public Finance Theory and Practice, S.Chand & Co. Ltd, New Delhi.	
<b>5</b>	Musgrave. R A and P.B. Musgrave (1976). Public Finance in Theory and Practice, McGraw Hill, Kogakusha, Tokyo.	
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>		
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>	

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
VI	21UEC14	Fiscal Economics - II	6	5						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓	✓	✓	✓		✓	✓
CO2	✓	✓		✓	✓	✓	✓	✓	✓	
CO3	✓	✓	✓		✓		✓	✓	✓	✓
CO4		✓	✓	✓	✓	✓		✓	✓	
CO5	✓		✓	✓		✓	✓	✓		✓
Number of Matches - 38					Relationship - High					

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UEC15</b>	<b>INTERNATIONAL ECONOMICS</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>	<b>CORE COURSE - 15</b>			<b>6</b>	<b>5</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• Compare alternative theories of international trade.</li> <li>• Analyze and test international trade models.</li> <li>• Read and analysis the nations balance of payment.</li> <li>• Evaluate the impact of tariff and non tariff barriers.</li> <li>• Understand how a foreign exchange market operators.</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Find the economic concepts and models of international trade.-K1				<b>K1</b>
<b>2</b>	Outline the international trade blocks and importance				<b>K2</b>

<b>3</b>	Develop a systematic exposition of model that try to explain composition , direction and consequences of international trade	<b>K3</b>
<b>4</b>	Analyse the different concept of terms of trade	<b>K4</b>
<b>5</b>	Evaluate Foreign Exchange rate and determine its equilibrium exchange rate	<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>		
<b>INTERNAL TRAD INTERNATIONAL TRADE</b>		
<b>Unit:1</b>	1.1 Meaning of Internal, International Trade 1.2 Difference between Internal and International Trade 1.3 Advantages and Disadvantage of International trade. 1.4 Ricardo comparatives cost theory, 1.5 Hecksher- ohlin theory.	
<b>FREE TRADE VS PROTECTION</b>		
<b>Unit:2</b>	2.1 Meaning-Causes for and against free trade. 2.2 Protection-case for and against. 2.3 Barriers to International Trade. 2.4 Meaning of Dumping 2.5 Kinds of Dumping.	
<b>BALANCE OF PAYMENT</b>		
<b>Unit:3</b>	3.1 Blanca of Trade-Meaning-concepts. 3.2 Balance of payment-Meaning 3.3 Disequilibrium in Balance of Payment. 3.4 Causes of balance of payments 3.5 Causes-Measures to Correct disequilibrium.	

<b>FOREIGN EXCHANGE RATE</b>		
<b>Unit:4</b>	4.1 Foreign Exchange Rate 4.2-Fixed exchange rate 4.3 Flexible Exchange Rate 4.4 Purchasing Power Parity Theory. 4.5 Tariffs-Definition- Types of Tariffs.	
<b>Unit:5</b>	<b>INTERNATIONAL ORGANISATION</b> 5.1 International Organisation - Meaning and Importance 5.2Function of IMF and MNCs 5.3 Objectives of IBRD 5.4 Meaning and Function of GATT 5.5WTO-Meaning-Objectives-functions.	
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Sankaran.S.(2012) International Economics, Margham Publications, Madras	
<b>2</b>	Abdul Raheem.A..Vagheesan(2006), International Economics, Learntech press, Trichy	
<b>Reference Books</b>		
<b>1</b>	Jhingan.M.L. (2013), International Economics, Vrinda Publications private limited. New Delhi.	
<b>2</b>	Bhatia.H.L. (2006), International Economics, Vikas Publishing House Private Limited, New Delhi	
<b>3</b>	Ellsworth.P.T. Clarkleith.J.(1975), The International Economy, Macmillian Publishing Company, New york	
<b>4</b>	Ravishankar.K.(2013) International Economics. Blackprints, New Delhi	
<b>5</b>	Kenwood.A.G.Lougheed.A.L.(1979). The Growth of the International Economy1820-1960,	

	Sultan Chand & Company Limited New Delhi.
6	Shrivastava.O.S.(2011), International Economics, Concept Publishing Company Private Limited, New Delhi.
7	Mithani.D.M.(2013), International Economics, Himalaya Publishing House New Delhi
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=23</a>

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
VI	21UEC15	International Economics	6	5						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓		✓	✓	✓	✓	✓		✓	✓
CO2	✓	✓		✓	✓	✓	✓	✓	✓	
CO3	✓	✓	✓		✓		✓	✓	✓	✓
CO4		✓	✓	✓	✓	✓		✓	✓	
CO5	✓		✓	✓		✓	✓	✓		✓



Number of Matches - 38	Relationship - High
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Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECME2</b>	<b>INDUSTRIAL ECONOMICS</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>Major Elective Course - 2</b>		<b>5</b>	<b>4</b>
<p><b>The main objectives of this course are to:</b></p> <ul style="list-style-type: none"> <li>• To achieve the assigned target for the development industries.</li> <li>• It gives us information about suitable location for the proposed industrial project layout.</li> <li>• Describe the nature of industrial sickness.</li> <li>• Students to understand the short term and long term finance.</li> <li>• To provide information about sources of nature, climate for the industrial growth, supplies for production etc.</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					

1	Define the basic models of the behavior of firms and industrial Organization and how they can be applied to policy issues	K1
2	Show to manipulate these models and be able to solve analytically problems relating to industrial economics	K2
3	Apply the models to important policy areas while being aware of the limitations of the theory	K3
4	Simplify the history of competition policy and some important American and European competition law	K4
5	Evaluate the functioning of different experimental market institutions and the key results of these experiments	K5

**K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create**

### INTRODUCTION

<b>Unit:1</b>	1.1 Industrial Organization 1.2 Proprietorship 1.3 Partnership 1.4 Joint sector, Co-operative sector, public sector enterprises 1.5 Multination Co- Operations
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### INDUSTRIAL LOCATION

<b>Unit:2</b>	2.1. Industrial location, Weber's theory 2.2 Methods of Induction and deduction 2.3 Factor determining industrial location 2.4 Industrial size 2.5 Large scale industries-, Small scale industries, Tiny and Cotton industries.
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### INDUSTRIAL SICKNESS

<b>Unit:3</b>	3.1 Meaning of industrial sickness 3.2 Causes of sickness 3.3 Government Policies 3.4 Sick industrial Company Act 3.5 Meaning of GNP
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### INDUSTRIAL FINANCE

<b>Unit:4</b>	4.1 Meaning of Industrial Finance
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	4.2 Term Finance, Short term and Long term finance 4.3 Specialized Financial Institutions 4.4 IFCI-IDBI-SIDBI-SIFS-SIDCO 4.5 Lease financing
<b>INDIA'S INDUSTRIAL PERFORMANCE</b>	
<b>Unit:5</b>	5.1 Meaning of GNP 5.2 Contribution of Industries to GNP 5.3 Major Indian industries 5.4 Sugar- Cement- Iron 5.5 Steel –paper-jute industry.
<b>Unit:6</b>	Expert lectures, online seminars – webinars
	<b>Total Lecture hours</b>
<b>Textbook(s)</b>	
<b>1</b>	Barthwal.R.R. (1992) Industrial Economics, Wiley Eastern Limited. New Delhi
<b>2</b>	Srivastava, Nigam,Sahai, Banerjee,(1967) Industrial Economics, Sultan Chand & Company, New Delhi
<b>Reference Books</b>	
<b>1</b>	Sivayya.K.V. &Das V.B.M. (1990) Indian Industrial Economy Sultan Chand & Company, New Delhi
<b>2</b>	Gadgil .P.G. & Gadgil.P.L.(1985), Industrial Economy of India. Eurasian Publishing House Private Limited. New Delhi.
<b>3</b>	GHosh.P.K. Ghorpade.M.B. (1989) Industrial Psychology, Himalaya Publishing House, Mumbai.
<b>4</b>	Stephen Martin (1988) Industrial Economics, Macmillian Publishing Company, New York
<b>5</b>	Lal Das. (1983)Industrial Relations in India, Sultan Chand & Company, New Delhi
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>	
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a>

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course	Hours	Credit						
VI	21UECME2	Industrial Economics	5	4						
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)				
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	✓	✓		✓	✓	✓	✓	✓		✓
CO2	✓	✓	✓	✓		✓	✓	✓	✓	
CO3	✓		✓	✓	✓	✓		✓	✓	✓
CO4	✓	✓	✓		✓		✓		✓	✓
C005	✓	✓		✓	✓	✓	✓	✓	✓	
Number of Matches - 39					Relationship – High					

Mapping	1-20	21-40	41-60	61-80	81-100

Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High

<b>Course code</b>	<b>21UECME3</b>	<b>HUMAN RESOURCE MANAGEMENT</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>Major Elective Course - 3</b>		<b>5</b>	<b>4</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• To help the student to know about the importance of human resources to enable the students</li> <li>• Understanding the value and importance of human resources in an organization</li> <li>• Appreciate the need for a dedicated department to manage human resources</li> <li>• Analyses the ways and mean of hiring and appraising human resources</li> <li>• Apply information technology in human resource management.</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Define the value and importance of human resources in an organization-				<b>K1</b>
<b>2</b>	Explain the need for dedicated department to manage human resources-				<b>K2</b>
<b>3</b>	Apply the way and means of hiring and appraising human resources				<b>K3</b>
<b>4</b>	Analyse information technology in human resource management				<b>K4</b>

<b>5</b>	Create awareness about job specification	<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>		
<b>Unit:1</b>	<b>INTRODUCTION</b>	
1.1.Meaning and definition 1.2.Importance of human resource management 1.3.Nature and Scope of HRM 1.4.Functions of human resource management 1.5.Objectives of human resource management 1.6.Characteristics of human resource management		
<b>Unit:2</b>	<b>HUMAN RESOURCE PLANNING</b>	
2.1 Meaning of human resource planning 2.2 Nature of human resource planning 2.3 Importance and Objectives of planning 2.4 Role of human resource planning <b>2.5</b> Factors affecting human resource planning		
<b>Unit:3</b>	<b>RECRUITMENT AND SELECTION</b>	
3.1. Purpose, Importance and sources of recruitment 3.2. Recruitment process- Interview, selection test 3.3. Induction and placing the new recruits 3.4. Role Recruitment agencies 3.5 Recruitment techniques		
<b>Unit:4</b>	<b>HUMAN RESOURCE DEVELOPMENT AND TRAINING</b>	
4.1. Concept of human Resource Development (HRD) 4.2. Need for Human Resource Training- 4.3. Objectives of training 4.4. Importance of training- types of training 4.5. Methods of Training		
<b>Unit:5</b>	<b>JOB DESIGN</b>	
	<b>COURSE OUTCOMES</b>	

1.1 Concept for job analysis- Purpose of job Analysis- process of job analysis 1.2 Methods of data collections of job analysis- 1.3 Job description and job specification concept of job design 1.4 Factors affecting job design 1.5 Techniques of job design.		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	
	<b>Total Lecture hours</b>	
<b>Textbook(s)</b>		
<b>1</b>	Jayashankar.J.(2009) Human Resource Management, Margham Publication, Madras	
<b>2</b>	Nahida (Human Resource Management, Nahida Publishers, Trichy	
<b>Reference Books</b>		
<b>1</b>	Gupta.C.B.(2009), Human Resource Management, Sultan Chand & Company, New Delhi.	
<b>2</b>	Aswathappa.K.(2013), Human Resource Management, McGraw Hill Education(India), Private limited, New Delhi	
<b>3</b>	Tapomoy Deb.(2012) Human Resource Management,Ane books Private Limited New. Delhi	
<b>4</b>	Arya.P.P. Tandaon.B.B.(2011) Human Resource Management, Deep & Deep publication private limited, New Delhi	
<b>5</b>	Werner. M ,Desimone L..(2009) Human Resource Management, Cengage leaning, Canada	
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>		
<b>1</b>	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a>	

Relationship matrix for Cos, and POSs,

Semester	Code	Title of the Course					Hours	Credit				
VI	21UECME3	Human Resource Developemnt					5	4				
Course Outcomes (Cos)	Programme Outcomes (POs)					Programme Specific Outcomes (PSOs)						
	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5		
CO1	✓			✓	✓	✓	✓	✓	✓	✓		
CO2	✓		✓	✓	✓	✓		✓	✓	✓		
CO3		✓	✓	✓	✓	✓	✓	✓				
CO4	✓	✓	✓	✓	✓	✓	✓		✓	✓		
CO5	✓		✓	✓	✓		✓	✓	✓	✓		
Number of Matches - 40					Relationship- High							

Mapping	1-20	21-40	41-60	61-80	81-100
Matches	1-10	11-20	21-30	31-40	41-50
Relationship	Very poor	Poor	Moderate	High	Very High



<b>Course code</b>	<b>21UECNME2</b>	<b>ECONOMICS FOR COMPETITIVE EXAMINATION II</b>	<b>L</b>	<b>P</b>	<b>C</b>
<b>Core/Elective/Supportive</b>		<b>Non Major Elective - 2</b>		<b>2</b>	<b>2</b>
<b>The main objectives of this course are to:</b>					
<ul style="list-style-type: none"> <li>• Enable the students to update competitive examinations.</li> <li>• Know the objectives of five year planning</li> <li>• Study the problems of unemployment</li> <li>• Analyze the growth of population and causes of poverty</li> <li>• Gain knowledge about the foreign trade</li> </ul>					
<b>Expected Course Outcomes:</b>					
<b>On the successful completion of the course, the students will be able to:</b>					
<b>1</b>	Find a strong foundation in basic concepts in Agriculture.				<b>K1</b>
<b>2</b>	Summarize the various aspects of planning				<b>K2</b>
<b>3</b>	Identify the problems of unemployment.				<b>K3</b>
<b>4</b>	Analyse the growth of population and level of poverty				<b>K4</b>
<b>5</b>	Evaluate the Trends on Foreign Trade				<b>K5</b>
<b>K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create</b>					
<b>Unit:1</b>	<b>AGRCULTURE</b>				
1.1 Agriculture- Meaning and Characteristics 1.2 Reason for low productivity 1.3 Causes and Remedies 1.4 Green Revolution, Blue Revolution 1.5 White Revolution and Yellow Revolution					
<b>Unit:2</b>	<b>PLANNING</b>				
2.1 Meaning of Planning 2.2 Objectives of Planning, Features of Planning 2.3 Achievements of Five year planning					

<p>2.4 Recent Plans XI and XII five year plan</p> <p>2.5 Deficit Financing and its Effect.</p>		
<b>Unit:3</b>	<b>UNEMPLOYMENT</b>	
<p>3.1 Unemployment – Meaning and its types</p> <p>3.2 Causes of Unemployment</p> <p>3.3 Problems of Unemployment</p> <p>3.4 Solution of Unemployment</p> <p>3.5 Unemployment programs in India</p>		
<b>Unit:4</b>	<b>POPULATION AND POVERTY</b>	
<p>4.1 Population meaning – Size, Density, Growth</p> <p>4.2 Causes for the growth of population</p> <p>4.3 Remedies to solve the growth of population</p> <p>4.4 How to Control of population growth</p> <p>4.5 Poverty- Meaning , Causes and Remedies.</p>		
<b>Unit:5</b>	<b>FOREIGN TRADE</b>	
<p>5.1 Meaning of Foreign Trade, Objectives of Foreign Trade.</p> <p>5.2 Importance of Foreign Trade</p> <p>5.3 Export Promotion</p> <p>5.4 Import Substitution</p> <p>5.5 World Trade Organization</p>		
<b>Unit:6</b>	Expert lectures, online seminars – webinars	

		Total Lecture hours	
<b>Textbook(s)</b>			
1	Dhingra.I.C. (1984) Foundations of Indian Economy, Sultan Chand & Company Limited, New Delhi		
2	Sankaran.S. (1984) Indian Economic Problems ,policies, and Development, Margham Publication, Madras		
<b>Reference Books</b>			
1	Misra.S.K. Puri.V.K.(1990) Structure and problems of Indian Economy, Himalaya Publishing House, Bombay		
2	Ruddar Dutt & Sundaram.K.P.M.(1990) Indian Economy. Sultan Chand & Company Limited, New Delhi		
3	Sankaran.S.(1984), Economic Analysis, Shree Karthikeyan Publications. Madras		
4	Sankaran.S.(1984), Indian Economy Problems, Policies and Development, Margham Publications, Madras.		
5	Dewett.K.K.Varma.J.D..Sharma.M.L. (1988) Indian Economy, Sultan Chand & Company Limited New Delhi.		
<b>Related Online Contents [MOOC, SWAYAM, NPTEL, Websites, etc.]</b>			
1	<a href="https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11">https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=11</a>		

**SEMESTER – VI**  
**GENDER STUDIES - 21UGS**

**1Hr**  
**1Credit**

**OBJECTIVES:**

- To make boys and girls aware of each others strengths and weakness
- To develop sensitivity towards both genders in order to lead an ethically enriched life.
- To promote attitudinal change towards a gender balanced ambience and women empowerment.

**UNIT I CONCEPTS OF GENDER**

- 1.1 Sex-Gender-Biological determinism-Patriarchy
- 1.2 Feminism-Gender discrimination
- 1.3 Gender division of labour-Gender- Stereotyping –Gender Sensitivity-Gender equity
- 1.4 Equality
- 1.5 Gender mainstreaming-Empowerment

**UNIT II WOMEN’S STUDIED vs GENDER STUDIES**

- 2.1 UGC’S Guidelines – VII to XI Plans
- 2.2 Gender studies Beijing Conference and CEDA
- 2.3 Exclusiveness and Inclusiveness

**UNIT – III AREAS OF GENDER DISCRIMINATION**

- 3.1 Family – Sex Ratio- Literacy
3. 2 Health – Governance Religion Work vs Employment
- 3.3 Market-Media- Politics-Law-Domestic Violence
- 3.4 Sexual Harassment
- 3.5 State Policies and Planning

**UNIT-IV WOMEN DEVELOPMENT AND GENDER EMPOWERMENT**

- 4.1 Initiatives – International Women’s
- 4.2 Decade- International Women’s year
- 4.3 National policy for Empowerment of Women
- 4.4 Women Empowerment Year 2001
- 4.5 Main streaming Global Policies.

**UNIT – V WOMEN MOVEMENT AND SAFEGUARDING MECHANISM**

- 5.1 In India National/State commission for women (NCW)
- 5.2 All Women Policies station-Family Court-Domestic Violence Act
- 5.3 Prevention of Sexual Harassment at work Place Supreme Court Guidelines.
- 5.4 Maternity Benefit Act-PNDT Act-Hindu Succession Act 2005
- 5.5 Eve Teasing Prevention Act-Self Help Groups-73<sup>rd</sup> and 74 th Amendment for PRIS.

# **HEALTH ECONOMICS – 21UECSS1**

## **Self Study Paper**

### **Course Objectives**

- To teach the students the importance of health economics
- The role of economics in the health care sector.
- To teach the principles relating to economic value of human resources besides introducing concepts of health indicators.
- To students understand apply micro economics principles to analyses
- To highlight the major issues of the health care sector

### **UNIT -I: Health Economics – Basic Concepts**

- 1.1 Definition and Dimensions of Health [WHO definition]
- 1.2 Meaning and Importance of Health Economics
- 1.3 Determinants of Health
- 1.4 Input and Output
- 1.5 Indicators of Health

### **UNIT -II: Health and Development**

- 2.1 Income and Health Linkages
- 2.2 Concept of Wellbeing – PQLI and HDI
- 2.3 Poverty and Health – Occupational Health Hazards
- 2.4 Fertility, Morbidity, Mortality and Life Expectancy
- 2.5 Nutrition and Health – Mal-nutrition – Under-nutrition

### **UNIT -III Health as Investment**

- 3.1 Economics of Public Health
- 3.2. Education and Health
- 3.3 Concept of Health Education
- 3.4 Capital Formation in Health Care

### **UNIT -IV: Micro-Economics of Health Services**

- 4.1 Demand for health services
- 4.2 Preference for health care and health cure
- 4.3 Income and Price effects
- 4.4 Physician as a price-discriminating monopolist
- 4.5 Health Production Function with Illustration

### **UNIT -V: Health in Developing Countries**

- 5.1 Significance of Health in LDCs
- 5.2 Measuring the Burden of Disease
- 5.3 The Concepts DALY
- 5.4 QALYs
- 5.5 Challenges for the Future

## Course Outcomes

- CO1 Appreciate the role played by primary health services in health delivery
- CO2 Will be able to estimate doctors bed ratio
- CO3 Calculate out of pocket expenditure of a patient
- CO4 Evaluate the role played by health insurance policies in defraying cost of personal healthcare
- CO5 Appreciate role of technology and cost of health care

## Reference Books

1. Guire A.M , Henderson J and Mooney G.(2016) The Economics of Health Care: An Introductory Text. [Routledge and Kegan Paul London and New York. PP. 9-30]
2. Asha A. and Tara K (2011). Principles of Population Studies [Himalaya Publishing House, New Delhi]
3. Park, K. (2015). Park's Text Book of Preventive and Social Medicine. 23rd edition. [M/s Banarsidas Bhanot Publishers, Jalalpur]
4. William Jack (1999). Principles of Health Economics for Developing Countries, WBI Development studies [The World Bank, Washington. D.C.]
5. Somkid Kaewsonthi and Alan G. Harding (1993). *Micro Economic Analysis and Applications in the Health Sector, Students Guide* [The Centre for Health Economics Faculty of Economics, Chulalongkorn University]
6. WHO (1986). *South-East Asian Region. SEA/ACMR12/Agenda Item 13. Health Economic Research*. Prepared by Somkid Kaewsonthi [Chulalongkorn University, Bangkok. Thailand]
7. World Bank (2002). David H. Peters, et al. *Better Health Systems for India's Poor. Findings, Analysis and Options. Human Development Network. Health, Nutrition and Population Series* [The World Bank Washington]

## Text books

- Tapomoy Dep - Human Resource Development Theory and practice, Ane Books Private Limited, New Delhi.
- Jaya Shankar – Personal Management, Margam Publications, Chennai

## References

- Memoria C B – Personnel management
- Basamtha Kumar – Human Resource Development
- Murali Krishna – Human Resource Development
- Jatava social – Human Resource Develop.
- Kumar- Human Resource Management

## **ENERGY ECONOMICS -- 21UECSS2**

### **Self Study Paper**

#### **Course Objectives**

- To impart knowledge of issues of energy to the students
- To make the students to understand the Energy demand, Supplying
- Appreciate the role of the energy industry in the global economy
- Appreciate the critical contribution of energy to our domestic economy
- The required analytical pricing of energy economics.

#### **UNIT –I: Introduction**

- 1.1 Types of energy
- 1.2 The importance of energy for the economy
- 1.3 Energy accounting
- 1.4 Energy-commodity flow

#### **UNIT –II: Energy Demand Analyses**

- 2.1 Three-stage decision-making process for energy
- 2.2 Energy demand elasticity
- 2.3 Energy intensities
- 2.4 Energy demand analysis model MAED
- 2.5 Model, NEMS approach

#### **UNIT –III: Energy Demand Management**

- 3.1 Importance of demand side management
- 3.2 Load management
- 3.3 Energy conservation
- 3.4. Fuel substitution

#### **UNIT - IV: Energy Supply**

- 4.1. Mckelvey Classification of non-renewable energy resources
- 4.2. Extraction of non-renewable energy resources: Hotelling model
- 4.3. Renewable electricity supply, characteristics, incentives for renewable electricity:
- 4.4 Feed in tariffs, renewable obligations
- 4.5 Costs of bio-ethanol supply

#### **UNIT – V: Pricing of Energy Resources**

- 5.1 Average cost pricing
- 5.2 Marginal cost pricing
- 5.3 Peak load pricing
- 5.4 Pricing of oil
- 5.5 Natural gas

## **Course Outcomes**

- CO1** Understand the role of energy in economic activity
- CO2** Analyse the demand for energy and understand how to manage it
- CO3** Have an understanding of classification of the sources of energy supply and related models
- CO4** Know what key factors and principles need to be considered in evaluating alternative energy policy options
- CO5** Apply various methods of pricing of energy resources

## **Reference Books**

1. *Bhattacharya S.C (2011) Energy Economics, Concepts, Issues, Markets and Governance* by (London: Springer- Verlag
2. *Peter Z 2019 “Energy Economics”* Springer London
3. *Fertinand E 2015 Energy and Economic Theory Uppsala University Swede.*