



KARNATAK UNIVERSITY, DHARWAD  
ACADEMIC (S&T) SECTION

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ  
ವಿದ್ಯಾಮಂಡಳ (ಎಸ್&ಟಿ) ವಿಭಾಗ



Tele: 0836-2215224  
e-mail: academic.st@kud.ac.in  
Pavate Nagar, Dharwad-580003  
ಪಾವಟೆ ನಗರ, ಧಾರವಾಡ - 580003

NAAC Accredited  
'A' Grade 2014

website: kud.ac.in

No. KU/Aca(S&T)/JS/MGJ(Gen)/2024-25/1612  
ಅಧಿಸೂಚನೆ

Date: 27 JUL 2024

ವಿಷಯ: ಸರ್ಕಾರದ ಆದೇಶ ದಿನಾಂಕ: 08.05.2024 ಅನುಸಾರ 2024-25ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಎಲ್ಲ ಸ್ನಾತಕ ಪದವಿಗಳಿಗೆ NEP ಅಡಿಯಲ್ಲಿ ಪ್ರೋಗ್ರಾಂ ವಿನ್ಯಾಸ (Curriculum Structure)ದಂತೆ ಪರಿಷ್ಕೃತ ಪಠ್ಯಕ್ರಮದ ಅನುಷ್ಠಾನ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1. ಸರ್ಕಾರದ ಪ್ರಧಾನ ಕಾರ್ಯದರ್ಶಿಗಳು, ಉನ್ನತ ಶಿಕ್ಷಣ ಇಲಾಖೆ ಇವರ ಆದೇಶ ಸಂಖ್ಯೆ: ಇಡಿ 166 ಯುಎನ್ಇ 2023, ದಿ: 08.05.2024.  
2. ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ನಿರ್ಣಯಗಳ ಸಂ:2, 3, 4, 5, 6, 7, 8 & 9, ದಿ:16.07.2024.  
3. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಅನುಮೋದನೆ ದಿನಾಂಕ: 27/07/2024

ಮೇಲ್ಕಾಣಿಸಿದ ವಿಷಯ ಹಾಗೂ ಉಲ್ಲೇಖಗಳನ್ವಯ, ಉಲ್ಲೇಖ-01ರ ಸರ್ಕಾರ ಆದೇಶಾನುಸಾರ 2024-25ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಅನ್ವಯವಾಗುವಂತೆ, ಈ ಕೆಳಗಿನ ಎಲ್ಲ ಸ್ನಾತಕ ಪದವಿಗಳ NEP ಅಡಿಯ ಪ್ರೋಗ್ರಾಂ ವಿನ್ಯಾಸ (Curriculum Structure)ದಂತೆ ಪರಿಷ್ಕೃತ ಪಠ್ಯಕ್ರಮ ರಚನೆ ಕುರಿತಾಗಿ ಸಂಬಂಧಿಸಿದ ಅಭ್ಯಾಸಸೂಚಿ ಮಂಡಳಿ ಹಾಗೂ ನಿಖಾಯಗಳ ಶಿಫಾರಸ್ಸಿನಂತೆ ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ಅನುಮೋದಿತ ಪದವಿಗಳ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಕ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲ [www.kud.ac.in](http://www.kud.ac.in) ದಲ್ಲಿ ಭಿತ್ತರಿಸಲಾಗಿದೆ. ಸದರ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಕ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲದಿಂದ ಡೌನ್‌ಲೋಡ್ ಮಾಡಿಕೊಳ್ಳಲು ಸೂಚಿಸುತ್ತ ವಿದ್ಯಾರ್ಥಿಗಳು ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಎಲ್ಲ ಬೋಧಕರ ಗಮನಕ್ಕೆ ತಂದು ಅದರಂತೆ ಕಾರ್ಯಪ್ರವೃತ್ತರಾಗಲು ಕ.ವಿ.ವಿ.ಯ ಎಲ್ಲ ಅಧೀನ ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ ಸೂಚಿಸಲಾಗಿದೆ.

ಅ.ನಂ.	ಪದವಿ				ಸೆಮಿಸ್ಟರ್
1	1	B.A	8	BTM	1 ರಿಂದ 6ನೇ ಸೆಮಿಸ್ಟರ್
	2	BSW	9	B.Sc	
	3	B.Sc. (H.M)	10	BCA	
	4	B.Com	11	B.Com (CS)	
	5	B.Com (E-Commerce Operation)	12	B.Com (Retail Operations)	
	6	B.Com (Banking Financial Services & Insurance)	13	B.Com (Logistics)	
	7	BBA	14	BBA (Logistics Management)	
2	1	B.Sc (Data Science)	2	B.Sc (Artificial Intelligence & Machinery Learning)	1 ಮತ್ತು 2ನೇ ಸೆಮಿಸ್ಟರ್
3	1	BASLP	3	BPA	1 ರಿಂದ 8ನೇ ಸೆಮಿಸ್ಟರ್
	2	BVA	4	B.Sc. Pulp & Paper	

A. Channappa  
ಕುಲಸಚಿವರು.

ಅಡಕ: ಮೇಲಿನಂತೆ

ಗೆ,

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯದ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಬರುವ ಎಲ್ಲ ಅಧೀನ ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ. (ಕ.ವಿ.ವಿ. ಅಂತರ್ಜಾಲ ಹಾಗೂ ಮಿಂಚಂಚೆ ಮೂಲಕ ಭಿತ್ತರಿಸಲಾಗುವುದು)

ಪ್ರತಿ:

- ಕುಲಪತಿಗಳ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು / ಕುಲಸಚಿವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು / ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ) ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ಅಧೀಕ್ಷಕರು, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ / ಗೌಪ್ಯ / ಜಿ.ಎ.ಡಿ. / ವಿದ್ಯಾಮಂಡಳ (ಪಿ.ಜಿ.ಪಿ.ಎಚ್.ಡಿ) ವಿಭಾಗ, ಸಂಬಂಧಿಸಿದ ಕೋರ್ಸುಗಳ ವಿಭಾಗಗಳು ಪರೀಕ್ಷಾ ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ನಿರ್ದೇಶಕರು, ಕಾಲೇಜು ಅಭಿವೃದ್ಧಿ / ವಿದ್ಯಾರ್ಥಿ ಕಲ್ಯಾಣ ವಿಭಾಗ / , ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ನೋಡಲ್ ಅಧಿಕಾರಿಗಳು, ಯು.ಯು.ಸಿ.ಎಂ.ಎಸ್. ಘಟಕ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
- ಎನ್.ಇ.ಪಿ. ನೋಡಲ್ ಅಧಿಕಾರಿಗಳು, ಸಿ.ಡಿ.ಸಿ. ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.



**KARNATAKA UNIVERSITY, DHARWAD**

# **B.A. in ECONOMICS**

**SYLLABUS**

**With Effect from 2024-25**

**DISCIPLINE SPECIFIC CORE COURSE (DSC) FOR SEM I -VI,  
SKILL ENHANCEMENT COURSE (SEC) FOR SEM IV/V/VI and  
ELECTIVE COURSES FOR SEM V AND VI**

**AS PER NEP (Revised) 2024**

## Karnatak University, Dharwad

B.A.in Economics

Effective from 2024-25

Sem.	Type of Course	Theory/ Practical	Course Code	Course Title	Instruction hour/ week	Total hours / sem	Duration Of Exam	Marks			Credits
								Formative	Summative	Total	
I	DSC-1	Theory	A1ECO1T1	Principles of Micro Economics	05+1 hrs	75	03hrs	20	80	100	06
II	DSC-2	Theory	A2ECO1T1	Principles of Macro Economics	05+1 hrs	75	03hrs	20	80	100	06
III	DSC-3	Theory	A3ECO1T1	Quantitative Methods for Economics	05+1 hrs	75	03hrs	20	80	100	06
IV	DSC-4	Theory	A4ECO1T1	Indian Economic Development and Policy	05+1 hrs	75	03hrs	20	80	100	06
*V	DSE-5A	Theory	A5ECO2T1	Public Economics	05+1 hrs	75	03hrs	20	80	100	06
	DSE-5B	Theory	A5ECO2T2	Development Economics	05+1 hrs	75	03hrs	20	80	100	06
*VI	DSE-6A	Theory	A6ECO2T1	International Economics	05+1 hrs	75	03hrs	20	80	100	06
	DSE-6B	Theory	A6ECO2T2	Environmental Economics	05+1 hrs	75	03hrs	20	80	100	06
V	EC-1	Theory	A5ECO5T1	Basic Economics	03hrs	45	03hrs	20	80	100	03
VI	EC-2	Theory	A6ECO5T1	Indian Economy	03hrs	45	03hrs	20	80	100	03
IV/V/VI **	Skill	Practical	C0ECO6P1	Data Analysis and Computer Application in Economics	04hrs	56	03hrs	10	40	50	02

\*Student shall opt either DSC 5A or DSC 5B in 5th semester, similarly, DSC 6A or DSC 6B in 6th semester.

\*\* Student shall study Skill of this subject either in 4<sup>th</sup> / 5<sup>th</sup> / 6<sup>th</sup> but not in all the semesters.

**Karnatak University, Dharwad**  
**B.A. in Economics**

**Programme Specific Outcomes (PSO):**

On completion of the 03 years Degree in **B.A in Economics UG** students will be able to:

- Demonstrate, solve and understand the major concepts in **Economics**
- Understand practical skills so that they can understand and assess risks and work safely and competently in the field.
- To apply standard methodology to the solutions of problems in Economics
- Provide students with the ability to plan and carry out experiments independently and assess the significance of outcomes.
- Develop in students the ability to adapt and apply methodology to the solution of unfamiliar types of problems.
- Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results.
- To build confidence in the candidate to be able to work on his/her own in institution of higher education.
- To develop an independent and responsible work ethics.

**B.A. Semester-I**  
**Discipline Specific Course (DSC)- 1**

**Course Title: PRINCIPLES OF MICRO ECONOMICS**

**Course Code: A1ECO1T1**

Type of Course	Theory / Practical	Credits	Instruction hours per week	Total No. of Lectures / Hours / Semester	Duration of Exam	Formative Assessment Marks	Summative Assessment Marks	Total Marks
<b>DSC-1</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

- C01** : To learn basic economic concepts and terms
- C02** : To understand the economic problems
- C03** : To explain the operation of a market system
- C04** : To analyze the production and cost relationships of a business firm
- C05** : To evaluate the pricing decisions under different market structures
- C06** : To use basic cost-benefit calculations as a means of decision making

Unit	PRINCIPLES OF MICRO ECONOMICS	75hrs/sem
Unit I	<p><b>Basic Concepts in Economics</b></p> <p>Meaning and Definitions of Wealth, Welfare, Scarcity and Growth Oriented</p> <p>Fundamental Problems of an Economy; Ten Principles of Economics</p> <p>Nature and Scope of Economics: Micro and Macro Economics: Importance of Study of Economics</p>	15hrs
Unit II	<p><b>Theory of Consumer Behavior</b></p> <p>Utility and Types</p> <p>Cardinal Utility Analysis: Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility and Consumer Surplus</p> <p>Ordinal Utility Analysis: Indifference Curve Analysis - Meaning and Properties; Budget line, Consumer Equilibrium; Price, Income and Substitution Effects</p>	15hrs
Unit III	<p><b>Demand and Supply</b></p> <p>Demand: Meaning, Law of Demand; Changes in Demand and Quantity Demanded</p> <p>Factors governing Demand;</p> <p>Supply: Meaning, Law of Supply; Determinants of Supply</p> <p>Elasticity and its Measurement</p> <p>Elasticity of Demand: Meaning, Types: Measurement of Price Elasticity of Demand, Income and Cross Elasticity of Demand</p>	15hrs

UnitIV	<p><b>Production, Cost and Market Structure</b></p> <p>Production: Meaning, Production Function; Law of Variable Proportions and Law of Returns to Scales</p> <p>Concepts of Revenue; Total Revenue, Average Revenue and Marginal Revenue</p> <p>Concept of Cost: Meaning of Cost of Production: Short run and long run</p> <p>Types of Cost with Numerical examples</p> <p>Market Structure: Markets : Meaning and Features; Price and output determination under Perfect Competition, Monopoly, Monopolistic and Oligopoly.</p> <p>Meaning of Duopoly, Monopsony, Duopsony and Oligopsony,</p> <p>Pricing Strategies: Skimming, Penetration and Administered Pricing</p>	15hrs
UnitV	<p><b>Theory of Distribution:</b></p> <p>Meaning, Marginal Productivity Theory and Modern Theory of Distribution</p> <p>Rent- Concepts, Ricardian and Modern Theory of Rent</p> <p>Wage- Subsistence Theory and Wage Funds Theory</p> <p>Interest – Loanable Fund Theory and Liquidity Preference Theory</p> <p>Profit- Dynamic, Risk, Uncertainty and Innovation theories of Profit</p>	15hrs

**Recommended books:**

1. Ahuja, H. L. (2019) Modern Micro Economics, S. Chand and Company Ltd, New Delhi
2. Dwivedi, D. N. (2016): Micro Economics; Theory and Application, 3<sup>rd</sup> Edition, Vikas Publication
3. Jhingan, M. L. (2017): Micro Economic Theory, Vrinda Publication, Delhi
4. Koutsoyiannis A. (2003): Modern Micro Economics, 2<sup>nd</sup> Edition, Macmillan, London
5. Maddala G. S. and Ellen Miller (2004): Micro Economic Theory and Applications, Tata McGraw Hills Publication, Delhi
6. Seth, M. L. (1985): Micro Economics, Lakshmi Narain Agrawal Publisher, Agra
7. Varian, Hal R. (2010): Micro Economic Analysis, W. W. Norton & Company, New York
8. Ray, N. C. (1975) An Introduction to Micro Economics, Macmillan Company, New Delhi
9. P. A. R. G. A. E. w. (2023), A P C X A A, D
10. P. A. R. G. A. E. w. J. Z. i. D. g. i. (2021), A P C X A A, D
11. P. A. R. G. A. E. w. J. Z. i. D. g. i. (2023), A P C X A A, D

<b>FormativeAssessmentforTheory</b>	
<b>AssessmentOccasion/type</b>	<b>Marks</b>
InternalAssessmentTest1	05
InternalAssessmentTest2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>FormativeAssessmentasperguidelines.</i>	

**B.A. Semester–II**  
**Discipline Specific Course (DSC)– 2**

**Course Title:** PRINCIPLES OF MACRO ECONOMICS

**Course Code:** A2ECO1T1

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSC-2</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able:**

**CO1 :** To understand the operation of the overall economic system

**CO2:** To calculate national income and related aggregates

**CO3:** To understand the evolution of employment theories and how equilibrium level of income gets determined

**CO4 :** To explain how interaction of multiplier and accelerator lead to business cycles and apply the concept in the working of the economy

**CO5 :** To understand the situation of inflation, deflation. They will be able to understand the role, functions, value of money etc

**CO6 :** To analyse the nature of business cycles and policies towards controlling them

**CO7 :** To evaluate and macroeconomic policies for solving major problems like poverty and unemployment

**CO8:** To explain the classical theory of employment

**CO9:** To understand the modern theory of employment

**CO10 :** To work out numerical problems regarding consumption function, investment function

Unit	PRINCIPLES OF MACRO ECONOMICS	75hrs/ sem
Unit I	<p><b>National Income</b> Meaning, Importance and methods of measurement of National Income- the concepts of National Income- Difficulties in measurement of National Income; Circular Flow of Income in four sector economy. Classical Theory of Employment- Say's Law of Market, Interest, Pigou's modifications</p>	15 hrs
Unit II	<p><b>Keynesian Theory of Employment</b> Principles of effective Demand and its determinants; Keynes Psychological Law of consumption, Consumption function, Average Propensity to Consume &amp; Marginal Propensity to Consume and Factors Determining Consumption Function; Saving Function – Average Propensity to Save and Marginal Propensity to Save; Investment Function and Determinants –Marginal Efficiency of Capital and Factors Influencing the MEC (Illustrate with numerical examples)</p>	15 hrs



UnitIII	<b>Multiplier, Accelerator and Business Cycle</b> Multiplier – Meaning, Working and Limitations; Accelerator: Meaning, Working and Limitations (Illustrate with numerical examples) Business Cycles- Meaning, Features, Phases and Control of Business Cycles; Theories of Business Cycles; Monetary Theory and Keynesian Theory	15 hrs
UnitIV	<b>Money and Value of Money</b> Money – Meaning and Functions of Money Value of Money- Construction of Consumer Price Index Number Cash Transactions Approach and Cash Balance Approach Demand for Money: Concepts: Keynesian Liquidity Preference Approach Supply of Money: Concepts - Measures of Money Supply M1, M2, M3 (Monetary Aggregates and Components)	15hrs
Unit-V	<b>Inflation and Banking</b> Inflation – Meaning, Type, Causes, Effects and Controlling Measures of inflation Banks: Meaning, Functions, Balance Sheet and Credit Creation by Commercial Banks, Central Bank – Functions and Credit Control Measures	15 hrs

**Recommended books:**

1. Ahuja, H. L. (2019) Macro Economics Theory and Policy, 20<sup>th</sup> Edition, S. Chand and Company Ltd, New Delhi
2. Chopra, P. N. (2016) : Macro Economics, Kalyani Publishers, New Delhi.
3. Dornbusch, R. and F. Stanley (2021): Macro Economics, McGraw Hill, NewYork.
4. Shapiro, Edward (1996): Macro Economic Analysis, Galgotia Publications, New Delhi.
5. Gupta R. D. (1983) : Keynesian Economics an Introduction, Second Revised Edition, Kalyan Publishers, NewDelhi.
6. Jhingan. M. L. (2017) : Macro Economic Theory, Vrinda Publications (P) Ltd. Delhi.
7. Rana. K. C. and K. N. Verma (2014) Macro Economic Analysis, 10<sup>th</sup> Reprint, Vishal Publishing Co., Daryaganj, Delhi.
8. Seth, M. L. (2023) Macro Economics. Laxmi Narain Agarwal, Education Publishers, Agra.
9. P. N. Chopra (2016) : Macro Economics, Kalyani Publishers, New Delhi.
10. P. N. Chopra (2016) : Macro Economics, Kalyani Publishers, New Delhi.
11. P. N. Chopra (2016) : Macro Economics, Kalyani Publishers, New Delhi.

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

**B.A. Semester– III**  
**DisciplineSpecificCourse(DSC) - 3**

**Course Title:QUANTITATIVE METHODS FOR ECONOMICS**

**Course Code:A3ECO1T1**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSC-3</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

- CO1:** Understand the economics with basic methods of analyses using mathematics and statistics
- CO2:** Calculate limits, derivatives of Economic functions and identify the nature of relationship
- CO3:** Calculate maxima and minima of function
- CO4:** Understand the nature of Data and their presentation
- CO5:** Calculate Descriptive statistics like measures of central tendency and dispersion
- CO6:** Apply statistical techniques like correlation, regression and time series in Economic analysis
- CO7:** Understand the importance of Economics as the decision sciences in determining the choice

Unit	QUANTITATIVE METHODS FOR ECONOMICS	75 hrs/sem
UnitI	<b>Introduction to Mathematical Concepts for Economics</b> Nature and scope of Mathematical Economics - Role of Mathematics in Economic Theory and Limitations; Variables, Constants, Functions (Linear and Non-linear), Equation and Identities; Construction of Linear Demand and Supply Function (Two-point Formula); Determination of Market Equilibrium - Impact of Specific Tax and Subsidy	15 hrs
UnitII	<b>Derivatives of Functions</b> Concept of Limit and Continuity, Rules of Differentiation; Derivation of MR and MC from TR and TC functions; Elasticity of Demand, Maxima and Minima of Economic function	15 hrs

UnitIII	<b>Introduction to Statistics</b> Definition, Importance of Statistics in Economics and its Limitations; Data Types - Primary and Secondary sources of data - Methods of Collecting Primary Data; Classification and Tabulation of Data - Diagrammatic Representation of data	15 hrs
UnitIV	<b>Measures of Central Tendency and Dispersion</b> Measures of Central Tendency - Calculation of Mean, Median and Mode for Grouped and Ungrouped data; Measures of Dispersion - Range, Quartile, Mean Deviation and Standard Deviation	15hrs
Unit-V	<b>Correlation, Regression and Time Series Analysis</b> Correlation – Meaning and Types - Methods of Measuring Correlation- Spearman’s Rank and Karl Pearson’s Correlation Coefficients; Regression – Meaning; Regression Vs Correlation, Estimation of Two variable linear regression (Least square method). Time Series - Definition and Components, Forecasting of Trend (Least Square Method)	15 hrs

### Recommended books:

- 1) Bose, D. (2018): *An Introduction to Mathematical Economics*, Himalaya Publishing House, Pvt. Ltd. Mumbai.
- 2) Gupta, S. P. (2012): *Statistical Methods*, S. Chand and Sons, Educational Publishers, New Delhi.
- 3) Gupta, S.C. and Kapoor, V.K. (2016): *Fundamentals of Applied Statistics*, 3<sup>rd</sup> Edition, Sultan Chand & Sons, New Delhi.
- 4) Mehta and Madnani (2017): *Mathematics for Economics*, Sultan Chand and Sons, New Delhi.
- 5) Monga, G. S. (2015): *Mathematics and Statistics for Economics*, Second Revised Edition, Vikas Publishing House, Pvt. Ltd. New Delhi.
- 6) Salvatore, D. (2015): *Mathematics and Statistics*, Schaum’s Series, Tata McGraw Hill.
- 7) Veerachamy, R. (2005): *Quantitative Methods for Economics*, New Age International (P) Ltd., New Delhi.
- 8) ಸಂತೋಷ್,ಸಿ. (2023): ಗಣಿತಾತ್ಮಕ ಅರ್ಥಶಾಸ್ತ್ರ, ವಿದ್ಯಾನಿಧಿ ಪ್ರಕಾಶನ, ಗದಗ
- 9) ಡಾ. ಎಚ್. ಆರ್. ಕೃಷ್ಣಯ್ಯಗೌಡ ಮತ್ತು ಡಾ. ಎಚ್. ಎಲ್. ಪರಶಿವಮೂರ್ತಿ (2022): ಅರ್ಥಶಾಸ್ತ್ರ, ಕೈಗಣಿತಶಾಸ್ತ್ರ, ಸ್ವಪ್ನಬುಕ್ಸ್, ಬೆಂಗಳೂರು
- 10) ಡಾ. ಜಿ. ಎಂ. ದಿನೇಶ್ ಮತ್ತು ಕೆ. ಡಿ. ಮುರಳೀಧರ (2014): ಅರ್ಥಶಾಸ್ತ್ರ, ಕೈಗಣಿತಶಾಸ್ತ್ರ, ಮತ್ತು ಸಂಖ್ಯಾಶಾಸ್ತ್ರ, ಮೈಸೂರು ಬುಕ್ಸ್, ಮೈಸೂರು

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

**B.A. Semester– IV**  
**Discipline Specific Course (DSC)– 4**

**Course Title: INDIAN ECONOMIC DEVELOPMENT AND POLICY**  
**Course Code: A4ECO1T1**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSC-4</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

**CO1:** Understand the current problems of Indian Economy

**CO2:** Identify the factors contributing to the recent growth of the Indian economy

**CO3:** Understand the structural changes taking place in Indian Economy

**CO4:** Understand the nature of economic reforms and review various economic policies adopted

**CO5:** Understand the sectoral reforms in Indian Economy

**CO6:** Comprehend and analyse the schemes launched by the Government to effect various changes on Indian Economy

Unit	INDIAN ECONOMIC DEVELOPMENT AND POLICY	75 hrs/sem
Unit I	<p><b>Growth and Development</b></p> <p>Features of Indian Economy; National Income of India – Trends, Growth, Composition and Limitations;</p> <p>Status of India in various indicators of development – National Income, Per Capita Income, Human Development Index, Sustainable Development Index, National Happiness Index, Human Poverty Index, Global Hunger Index, Gender Empowerment Index.</p> <p>Sectoral Contribution to Employment and National Income</p>	15 hrs
Unit II	<p><b>Indian Economic Problems and Programmes</b></p> <p>Demographic features- Composition and Trends in Growth of Population, Concept of Demographic Dividend; Causes, Effects and Controlling Measures of Population</p> <p>Unemployment- Definition, Types, Measurement, Extent: Causes and effects.</p> <p>Poverty: Meaning, Poverty Line, Extent; Causes and effect</p>	15 hrs

	Poverty eradication and Employment Generation Programmes Inequality in India –Economic, Gender and Regional Inequality- Extent and Trends	
UnitIII	<b>Indian Agriculture</b> Agriculture and economic development: Land use and changes in cropping pattern in India; Trends in agriculture production, causes of Low Productivity; Measures to increase agricultural productivity; Land Reforms measures; Sources of Agriculture Finance; Agricultural Marketing- Defects and Measures; Agricultural Price Policy and Minimum Support Prices; Food security- Agricultural Insurance.	15 hrs
UnitIV	<b>Industry and Service Sectors</b> Industries: Classification, Industrial Policy of 1956 and 1991; Problems and measures of cotton textile, Sugar, Iron and Steel industries in India; MSMEs: Importance, Problems and measures. Source of Industrial Finance. Service sector: Role of Service Sector in Economic Development. Composition- Trade Hotels and Restaurants, Transport, Storage and Communication, Financing, Insurance, real estate& business services, Community, Social and Personal Services and Construction sector.	15hrs
Unit-V	<b>Financial, Fiscal and External Sector</b> Financial Sector: Banking Structure in India; Nationalization of Commercial Banks; Banking Sector Reforms; NABARD, Regional Rural Banks; Reserve Bank of India: Functions, Monetary Policy. Fiscal Sector: Trends in Revenue, Expenditure and Public debt of Union Government, Recent Union Budget, Fiscal Sector Reforms External Sector: Importance of Foreign Trade in Indian Economy, Volume, Composition, Direction of India's Foreign Trade, Balance of Trade and Balance of Payments, Foreign Trade Policy.	15 hrs

### Recommended books:

1. Dutt Gaurav. and Ashwini Mahajan (2023) Indian Economy, S. Chand & Company Ltd., New Delhi.
2. Government of India: Latest Economic Survey and Union Budget, Ministry of Finance, New Delhi
3. Misra, S. K. and Puri (2023) V. K. Indian Economy — Its Development Experience. Himalaya Publishing House, Mumbai
4. Ramesh Singh (2024) Indian Economy, McGraw Hill Education, New Delhi
5. Ahluwalia and Little (ed) (2012): India's Economic Reforms and Development, OUP
6. K. James (2008) Glorifying Malthus: Current Debate on Demographic Dividend in India Economic and Political Weekly, June
7. Kaushik Basu and A. Maertens, Eds, 2013, The New Oxford Companion to Economics, Oxford University Press.
8. Himanshu, 2010, Towards New Poverty Lines for India, Economic and Political Weekly, January,2

9. Economic and Political Weekly- 25 Years of Economic Reforms, Various articles, March 4, 2017
10. Various websites and recent publications

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	



**B.A. Semester– V**  
**Discipline Specific Course (DSC) – 5A**  
**Student shall select DSC 5A or 5B for 06 credits only**

**Course Title: PUBLIC ECONOMICS**

**Course Code: A5ECO2T1**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSC-5A</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

- CO1:** Understand introductory Public Finance concepts
- CO2 :** Study the causes of market failure and corrective actions
- CO3 :** Understand the impact, incidence and shifting of tax
- CO4 :** Study the Economic Effects of tax on production, distribution and other effects
- CO5 :** Enable the students to know the Principles and effects of Public Expenditure
- CO6 :** Understand the Economic and functional classification of the budget; Balanced and Unbalanced Budget
- CO7 :** Understand the Burden of Public debt and Know the Classical views, Keynesian and Post Keynesian views
- CO8 :** To acquaint with the advantages and disadvantages of Deficit Financing

Unit	PUBLIC ECONOMICS	75 hrs/sem
Unit I	<b>Introduction to Public Economics</b> Public Economics: Meaning, Definitions, Nature, Scope and Its Significance; Public Finance and Private Finance: Meaning, Similarities and Dissimilarities; Public Goods and Private Goods: Meaning, Characteristics and Distinction; Principle of Maximum Social Advantage; Market Failures: Meaning, Causes, Role of Externalities	15 hrs
Unit II	<b>Public Revenue</b> Meaning, Significance and Sources of Public Revenue; Canons of Taxation; Direct and Indirect Taxes- Merits and Demerits, Concepts of Progressive, Regressive, Proportional and Degressive Taxes Characteristics of a Sound Tax System; Impact, Incidence and Shifting of tax burden; Economic Effects of tax; Taxable Capacity: Meaning and Determinants	15 hrs

Unit III	<p><b>Public Expenditure</b></p> <p>Meaning, Classification, Cannons of Public Expenditure, Types, Causes of Increases in Public Expenditure; Effects of Public expenditure; Role of Public Expenditure in Economic Development; Wagner’s Law of Increasing State Activities, Peacock-Wiseman Hypothesis</p>	15 hrs
Unit IV	<p><b>Public Debt</b></p> <p>Meaning, Objectives, Types and Burden of Public Debt. Effects of Public debt, Sources of Public Borrowing; Classical, Keynesian and Post Keynesian Views, Inter-generational Equity of Public Debt; Causes for Increases in Public Debt; Methods of Redemption</p>	15hrs
Unit-V	<p><b>Budget, Fiscal Policy and Fiscal Deficit</b></p> <p>Budget: Meaning, Importance, Types of Budget; Budget Preparation and Process; Economic and Functional Classification of Budget;</p> <p>Fiscal Policy: Meaning, Objectives, Tools; Concepts of Budgetary Deficits, Fiscal Deficit, Primary Deficit, Revenue Deficit</p> <p>Fiscal Federalism: Recent Finance Commission Recommendations</p>	15 hrs

**Recommended books:**

1. Lekhi R. K. Joginder Shingh (2018) Public Finance, Kalyani Publication, New Delhi.
2. Tyagi B. P. (2016) Public Finance Published by Jaya Prakash Nathand Co. Meerut
3. Bhatia H.L. (2018) Public Finance, Vikas Publishing House.
4. Musgrave, R. A. (1989) The Theory of Public Finance, McGraw Hill.
5. Musgrave R. A. and P. B. Musgrave (2017) Public Finance in Theory and Practice McGraw Hill, Kogakkusha, Tokyo.
6. Agarwad, R. C. (2016) Public Finance Theory and Practice, Lakshmi Narain Agarwal, Agra,
7. Bhatia H. L. (2018) Public Finance, S. Chand and Co., New Delhi.
8. Hendrick, John and Myles Gareth (2016) Intermediate Public Economics, PHI, New Delhi.
9. Om Prakash (2016) Public Economics; Theory and Practice Vishal Publishing Co. Ludhiana
10. Singh. S. K. (2016) Public Economics; Theory and Practice S. Chand and Co., New Delhi.

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

**B.A. Semester– V**  
**Discipline Specific Course (DSE) – 5B**  
**Student shall select DSE 5A or 5B for 06 credits only**

**Course Title: DEVELOPMENT ECONOMICS**

**Course Code: A5ECO2T2**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSE-5B</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

**CO1 :** Understand the basic concepts and measurements of development

**CO2 :** Understand about different indexes

**CO3 :** Learn some classical and partial theories of Development Economics and Identify the difference

**CO4 :** Identify the differences between Developed and Developing Countries

**CO5 :** Understand the obstacles to Economic Development

Unit	DEVELOPMENT ECONOMICS	75 hrs/sem
Unit I	<b>Introduction to Economic Development</b> Economic Development and Economic Growth - Definitions - Distinction between Economic Growth and Development - Tools of Measurement of Economic Development, Gross National Product (GNP) Physical Quality of Life Index(PQLI), Human Development Index(HDI), Standard of Living Index, Happiness Index, Basic Needs Index, Gender Related Development Index, Gender Empowerment Development index, Gini Index, Global Hunger Index, Global Multidimensional/Human Poverty Index	15 hrs
Unit II	<b>Theories of Economic Growth and Development</b> Adam Smith's Theory, David Ricardo's Theory, T.R. Malthus' Theory, Mill's Theory, Karl Marx's Theory, Schumpeter's Theory, Rostow's Growth Theory and Stylized Facts of Kaldor; Harrod-Domar Model	15 hrs
Unit III	<b>Partial Theories of Economic Development</b> Lewis Labour Surplus Model- Rodan's Big Push Theory- Lebenstein's	15 hrs

	Critical Minimum Effort Approach; Balanced Growth and Unbalanced Growth Model	
Unit IV	<b>Factors in the Development Process</b> Capital Accumulation – Determinants, Importance, Sources of Capital Formation; Capital-Output Ratio; Technology and Economic Development, Inclusive Development – Millennium Development Goals, Sustainable Development, Natural Resources and Human Resources – Importance in Economic Development	15hrs
Unit-V	<b>Economic Planning and Development</b> Planning- Origin, meaning, Importance and objectives of planning, Types of Planning, Economic Planning in India- Pre and Post Independence, Recent Five year plan in India, NITI Ayoga	15 hrs

**Recommended books:**

1. Higgins Benjamin & W.W. Norton Economic Development New York & Company. Inc.
2. Mishra S.K and Puri V.K, Economic Development and Planning, Himalaya Pub., House, Mumbai.
3. Taneja M.L. and Meier G. M, Economics of Development and Planning, S. Chand and Co, New Delhi.
4. Thirlwall A.P. Growth and Development: With Special Reference to Developing Economies, Palgrave Macmillan, New York.
5. Todaro. M.P & Orient Longman Economic Development in the Third World, United Kingdom
6. Sustainable Development Reports

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

## B.A. Semester– VI

**Discipline Specific Course (DSE) – 6A**

**Student shall select DSE 6A or 6B for 06 credits only**

**Course Title: INTERNATIONAL ECONOMICS**

**Course Code: A6ECO2T1**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSE-6A</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

- CO1 :** Understand the international trade theories and their application in international trade
- CO2 :** Explain the concept of terms of trade and demonstrate the effect of trade barriers; and display the ability to analyze the stages of economic integration
- CO3 :** Understand the concept of BOP and assess the BOP position and Examine the Changes in Exchange Rate
- CO4 :** Analyze the role of International Trade and Financial Institutions
- CO5 :** Demonstrate Good Inter-Personal And Communication Skills Through Class Participation and Contributing to Critical Discussion on trade issues

Unit	INTERNATIONAL ECONOMICS	75 hrs/sem
Unit I	<p><b>Nature and Scope of International Economics and Trade Theories</b></p> <p>Meaning and Importance of International trade; differences between Internal and International Trade; Gains from international Trade, Trade Theories: Mercantilist view; Absolute Cost and Comparative Cost Advantage Theories; Haberler's Opportunity Cost Theory; Heckscher-Ohlin Theory; Leontief's Paradox.</p>	15 hrs
Unit II	<p><b>Trade and Commercial Policy</b></p> <p>Terms of trade- Concepts and Types, Factors Affecting Terms of Trade; Commercial Policy: Free trade and Protection: Arguments For and Against; Tariffs: Types and Effects, Optimum Tariff; Quotas: Types and Effects; Dumping: Meaning- types and effects, Price Determination Under Dumping, Measures of Anti-dumping; Economic Integration: Meaning and stages. Customs Union and Economic Union, PFTA and FTA</p>	15 hrs

Unit III	<p><b>Balance of Payment and Foreign Exchange</b></p> <p>Balance of Payment: Concept, Components; Disequilibrium in Balance of Payment: Causes and Measures to Correct Disequilibrium; Foreign Exchange rate: Meaning and Types; Determination of Foreign exchange rate: Demand for and Supply of Forex; Purchasing Power Parity (PPP) Theory; Exchange Control: Features, Objectives, Merits and Demerits.</p>	15 hrs
Unit IV	<p><b>Foreign Investments and Multinational Corporations</b></p> <p>Foreign Investments: Meaning and Types, Importance and Factors Determining of Foreign Investment; Forms of FDI; Advantages and Disadvantages of Foreign Direct Investment and Foreign Institutional Investments; Impact of Foreign Capital on India's Economic Development; SEZs; Multinational Corporations: Meaning, Role, Advantages and Disadvantages Multinational Corporations and LDCs.</p>	15hrs
Unit-V	<p><b>International Financial Institutions</b></p> <p>Bretton Woods Institutions: IMF and IBRD, IDA and IFC: Organization, Objectives, Functions and Their Role in Developing Countries; GATT – Principles and Objectives; Evolution of WTO; WTO: Organization, Objectives, Functions, Agreements and Current Issues; WTO and Developing Countries; New International Economic Order (NIEO); Economic Co-operation among Developing Countries - SAARC and BRICS</p>	15 hrs

**Recommended books:**

- 1 Sodersten, B. (1993): International Economics, MacMillan, 3rd Edition, London,
- 2 Salvatore, D. (2016): International Economics, 12th Edition, Wiley Publication
- 3 Vaish, M. C. and Sudham Singh (1980): International Economics, 3rd Edition, Oxford and IBH Publication, New Delhi.
- 4 Carbaugh, R. J. (1999): International Economics, International Thompson Publishing, New York
- 5 Jhingan M. L. (2016): International Economics, Vrinda Publications Pvt Ltd - Delhi
- 6 Kenen P B (1994). The International Economy, Cambridge University Press, London
- 7 Krugman, P. R. and M. Obstfeld (1994): International Economics: Theory and Policy Addison-Wesley Publications.
- 8 Jackson, J. D. (1998) The World Trading System, Cambridge University Press, Mass. Cherunilam, International Economics, TMH, New Delhi.
- 9 Mithani D M, International Economics, Himalaya, Mumbai.
- 10 Krishnamurthy H. R. (2013): Antarakashtrveeya Arthashastra; (Kannada version), Sapna, Bengaluru

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	



**B.A. Semester– VI**  
**Discipline Specific Course (DSE) – 6B**  
**Student shall select DSE 6A or 6B for 06 credits only**

**Course Title: ENVIRONMENTAL ECONOMICS**  
**Course Code: A6ECO2T2**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>DSE-6B</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

**CO1 :** Understand how economic methods can be applied to environmental issues facing society

**CO2 :** Examine the linkages between Environmental Degradation and Economic Development

**CO3 :** Understand environmental problems and to find solutions

**CO4 :** Analyze environmental problems and to assess environmental policies

Unit	ENVIRONMENTAL ECONOMICS	75 hrs/sem
Unit I	<p><b>Environment and Ecology</b></p> <p>Meaning, Nature and Scope of Economics of Environment; Causes of Environmental Degradation and Methods for Environmental Protection; Linkages between Environment and the Economy; Environmental Kuznets curve; Environmental Stress; Population and Environment; Poverty and Environment; Meaning and elements of ecology; Biotic and Abiotic components; Food, Hydrological and Carbon Cycles; Material Balanced Principle (Entropy law); Meaning and strategies to achieve Sustainable Development; Rio Summit; Green Accounting; Introduction to SDGs.</p>	15 hrs
Unit II	<p><b>Natural Resources and Conservation</b></p> <p>Meaning, Importance of Natural Resources in Economic Development; Types of Natural Resource, Land, Forest Resources, Water Resources, Mineral Resources and Energy Resources;</p> <p>Characteristics of Renewable and Non-renewable resources; Reasons for Scarcity of Natural Resources; Non-Renewable Resources and the problem of depletion and problem of overuse; Resource Scarcity and Economic Growth (Limits to Growth Model); Energy and Economic Development; Energy resources and their Pricing;</p>	15 hrs

	Alternative energy sources; Conservation and Recycling Measures; Reduce, Reuse and Recycling Measures	
Unit III	<p><b>Man-Induced Changes in Environment: (With reference to India)</b></p> <p>Environmental Pollution, i.e., Air, Water, Noise; Solid Waste with special reference to India; Land Degradation and Deforestation, Loss of Biodiversity and Climate Change – Causes and Consequences;</p> <p>Environmental Hazards, Flood, Famines, Land Slides, Avalanches, Forest Fires; Impact of Green Revolution and Extinction of Species; Man-Made Ecosystem - Urban, Eco-tourism, National Parks and Sanctuaries; Depletion of Ozone, Green House Effect, and Acid Rain</p>	15 hrs
Unit IV	<p><b>Environmental Accounting</b></p> <p>Concept of Environmental Accounting – Various Approaches to Environmental Accounting - System of National Accounts (SNA), IEEA &amp; Green GDP Methods – Green Accounting &amp; Green Economics – Environmental Impact &amp; Assessment</p>	15hrs
Unit-V	<p><b>Principles of Environmental Management:</b></p> <p>Environmental Policy of India (post-2000 AD), Global Summits &amp; Agencies of Environment Conservation; Environmental degradation, management and conservation; Problems of Deforestation and conservation measures; Environmental Education and Legislation.</p> <p>Role of Pollution Control Board and their Functions; Provisions of the Environmental Protection Act, 1986; Environmental Movements in India (Chipko); Role of Citizens, SHGs, and NGOs in Environmental Protection, Swachh Bharat Abhiyan; Afforestation Programmes</p>	15 hrs

**Recommended books:**

- 1) Bhattacharya, R.N. (Ed.) (2001): Environmental Economics: An Indian Perspective, Oxford University Press, New Delhi.
- 2) Karpagam, M. (1991): Environmental Economics: A Text Book, Sterling Publishers, New Delhi.
- 3) Kumar, N. (2017): Environmental Economics, Lakshmi Narain Agarwal, Agra
- 4) Nick Hanley, Jason F., Shogren and Ben White (1997): Environmental Economics in Theory and Practice, Macmillan India Ltd. London.
- 5) Rajalakshmi, N. and DhulasiBirundha (1994): Environomics, Economic Analysis of Environment, Allied Publishers, Ahmedabad.
- 6) Sankaran, S. (1994): Environmental Economics, Margham, Madras, Chennai.

- 7) Sengupta, R. P. (Ed.) (2001): Ecology and Economics: An Approach to Sustainable Development, Oxford University Press, New Delhi.
- 8) Shankar, U. (2001): Environmental Economics, Oxford University Press, New Delhi.
- 9) Singh, G.N (Ed.) (1991): Environmental Economics, Mittal Publications, New Delhi.
- 10) The Hindu Survey of Environment: Annual Reports.
- 11) Varadarajan, S. and S. Elangovan (1992): Environmental Economics, Speed, Chennai.

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

**B.A. Semester– V**  
**Elective Course(EC)- 1**  
**It is for other combination students**

**Course Title: BASIC ECONOMICS**

**Course Code:A5ECO5T1**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>EC-1</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

**CO1:** Identify the facets of an economic problem

**CO2:** Learn basic economic concepts and terms

**CO3:** Explain the operation of a market system

**CO4:** Analyze the production and cost relationships of a business firm

**CO5:** Use basic cost-benefit calculations as a means of decision making (thinking like an economist)

Unit	BASIC ECONOMICS	45 hrs/sem
Unit I	<b>Basic Concepts in Economics</b> Meaning and Definitions of Economics; Fundamental Problems of Economics; Nature and Scope of Economics; Micro and Macro Economics; Importance of Study of Economics; Ten principles of Economics	15 hrs
Unit II	<b>Theory of Consumer Behaviour, Demand and Supply</b> Utility Analysis, Meaning and features: Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility and Consumer Surplus Demand: Meaning, Law of Demand; Factors Determining Demand Supply: Meaning; Law of Supply; Determinants of Supply Elasticity of Demand: Meaning, Types: Price, Income and Cross Elasticity of Demand	15 hrs
Unit III	<b>Production, Cost and Market Structure</b> Production: Meaning, Production Functions; Law of Variable Proportions and Laws of Returns to Scale; Concepts of Revenue; Concept of Cost with Numerical examples; Markets: Meaning and Features of Perfect Competition, Monopoly, Monopolistic and Oligopoly.	15 hrs

**Recommended books:**

1. Seth M. L (2023) Micro Economics, Lakshmi Narain Agarwal Educational Publishers, Agra ISBN: 81-85778-07-8
2. Cohen, A.J. (2015). Microeconomics for Life: Smart Choices, Pearson Learning
3. Case Karl E. and Fair Ray C(2014). Principles of Economics, Pearson Education Asia.
4. Mankiw N. Gregory (2013). Principles of Economics, Thomson
5. Stiglitz J.E. and Walsh C.E.(2011), Principles of Economics, W.W. Norton & Co, New York.
6. P. A. R. G. (2023), APAC, Agra
7. P. A. R. G. (2021), APAC, Agra
8. P. A. R. G. (2023), APAC, Agra

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

## B.A. Semester– VI

### Elective Course(EC) - 2

**Course Title: INDIAN ECONOMY**  
**Course Code: A6ECO5T1**

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
<b>EC-2</b>	<b>Theory</b>	<b>6</b>	<b>5+1</b>	<b>75hrs.</b>	<b>3hrs.</b>	<b>20</b>	<b>80</b>	<b>100</b>

**Course Outcomes (COs): At the end of the course students will be able to:**

**CO1:** Trace the evolution of Indian Economy

**CO2:** Identify the structural features and constraints of the Indian economy

**CO3:** Analyze the sector specific problems and contribution towards overall economic growth

**CO4:** Review various economic policies adopted

**CO5:** Understand the current problems of Indian Economy

**CO6:** Identify the factors contributing to the recent growth of the Indian economy

Unit	INDIAN ECONOMY	45 hrs/sem
Unit I	<p><b>Structure and Features of Indian Economy</b></p> <p>Structure and Features of Indian Economy, Obstacles to Economic Development of India; India's position in National Income, Per Capita Income, Human Development Index, Sustainable Development Index, National Happiness Index, Human Poverty Index, Global Hunger Index, Gender Empowerment Index</p>	15 hrs
Unit II	<p><b>Human Resources, Poverty and Unemployment</b></p> <p>Population of India- Size, Growth and Composition; Causes and Effects of Population Explosion: Measures for Population Control and Demographic Dividend; Poverty- Meaning, Types, Estimation and Causes, Unemployment- Meaning, Types, Causes, Effects. Poverty Eradication and Employment Generation Programmes in India</p>	15 hrs

Unit III	<p><b>Indian Agriculture, Industry and Service Sector</b>  Indian agriculture- Importance and Problems; trends in agriculture production;  Causes for Low Agriculture Productivity and Measures to Increase Agriculture Productivity; Agriculture Marketing- Defects and Its Measures; Crop Insurance Policy: Minimum Support Price;  Industry: Role of Industries in Indian Economy, MSME; Problems and Measures, Service Sector: Classification and trends  Fiscal Policy: Sources of Central Government Revenue; Recent Budget  Fiscal Federalism; Recent Finance Commission Recommendations  RBI: Functions, Monetary Policy</p>	15 hrs
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**Recommended books:**

1. Dutt Gaurav. and Ashwini Mahajan (2023) Indian Economy, S. Chand & Company Ltd., New Delhi.
2. Government of India : Latest Economic Survey and Union Budget, Ministry of Finance, New Delhi
3. Misra, S. K. and Puri (2023) V. K. Indian Economy — Its Development Experience. Himalaya Publishing House, Mumbai
4. Ramesh Singh (2024) Indian Economy, McGraw Hill Education, New Delhi
5. Ahluwalia and Little (ed) (2012): India's Economic Reforms and Development, OUP
6. K. James (2008) Glorifying Malthus: Current Debate on Demographic Dividend in India Economic and Political Weekly, June
7. Kaushik Basu and A. Maertens, Eds, 2013, The New Oxford Companion to Economics, Oxford University Press.
8. Himanshu, 2010, Towards New Poverty Lines for India, Economic and Political Weekly, January,2
9. Economic and Political Weekly- 25 Years of Economic Reforms, Various articles, March 4, 2017
10. Various websites and recent publications

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test 1	05
Internal Assessment Test 2	05
Assignment	10
<b>Total</b>	<b>20Marks</b>
<i>Formative Assessment as per guidelines.</i>	

## B.A. Semester–IV/ V/VI

### Skill Enhancement Course (SEC)

Student shall study SEC in any one of the Semesters either in IV or V or VI semester

College shall decide to allot the students

### Course Title: DATA ANALYSIS AND COMPUTER APPLICATION IN ECONOMICS

### Course Code: C0ECO6P1

Type of Course	Theory /Practical	Credits	Instruction hour per week	Total No. of Lectures/Hours /Semester	Duration of Exam	Formative Assessment Marks	Summative assessment Marks	Total Marks
SEC	Practical	02	04	56hrs.	3hrs.	10	40	50

**Course Outcomes (COs): At the end of the course, students will be able to:**

**CO1:** Understand the basic computer skills

**CO2 :** Understand the basic knowledge about computers and to develop some basic skills in using computers for data storage, compilation, analysis and presentation

**CO3 :**Understand and learn word processing, analyse and interpret the data with the help of spreadsheet and make presentation based on power point.

**CO4 :**demonstrate the skills of operating a computer system

<b>Data Analysis and Computer Application in Economics</b>	<b>56 hrs/Sem.</b>
<p style="text-align: center;"><b>Experiments / Activities</b></p> <p style="text-align: center;"><b>Section 1: Microsoft Excel for Economic Data Analysis (20 Hrs)</b></p> <p>1. Importing and Cleaning Data Import a dataset related to economic indicators (e.g., GDP, unemployment rates) Clean the data by handling missing values and removing duplicates.</p> <p>2. Descriptive Statistics Calculate descriptive statistics (mean, median, mode, standard deviation) for a given dataset (e.g., income data). Create summary tables to display the calculated statistics.</p> <p>3. Time Series Analysis Plot a time series graph of economic data (e.g., inflation rate over the last 20 years). Add trendlines and forecast future values using Excel's built in functions.</p> <p>4. Data Visualization with Advanced Charts Create advanced charts (e.g., scatter plots, histograms, box plots) to visualize economic data.</p>	<p style="text-align: center;"><b>5 Hrs</b></p> <p style="text-align: center;"><b>5 Hrs</b></p> <p style="text-align: center;"><b>5 Hrs</b></p> <p style="text-align: center;"><b>5 Hrs</b></p>



<p>Customize the charts by adding titles, labels, and data markers to make the insights clear and informative.</p> <p style="text-align: center;"><b>Section 2: Microsoft Word(20 Hrs)</b></p> <p>5. Document Formatting Create a two page document with title, subtitles, and body text. Apply different font styles, sizes, and colors. Use bold, italic, and underline.</p> <p>6. Writing an Economic Report Draft a report on an economic topic (e.g., the impact of monetary policy on inflation). Use headings, subheadings, and bullet points to organize the content.</p> <p>7. Embedding and Analyzing Charts and Tables Insert charts and tables from Excel into the Word document. Write a brief analysis of each chart and table, explaining the economic insights they provide.</p> <p>8. Using References and Citations Add references and citations to the report using Word's referencing tools. Create a bibliography section at the end of the document</p> <p style="text-align: center;"><b>Section 3: Microsoft PowerPoint (16 Hrs)</b></p> <p>9. Creating Slides Create a new presentation with at least 5 slides. Add a title slide and content slides. Format text on the slides (font, size, color).</p> <p>10. Using Themes and Templates Apply a built- in theme to the presentation. Customize the theme colors and fonts.</p> <p>11. Inserting Images and Media Insert images, videos, and audio clips into slides. Resize and format the media.</p> <p>12. Applying Animations and Transitions Add animations to slide elements (text, images, charts). Apply slide transitions between slides and customize transition effects and timing.</p>	<p><b>5 Hrs</b></p> <p><b>5 Hrs</b></p> <p><b>5 Hrs</b></p> <p><b>5 Hrs</b></p> <p><b>4 Hrs</b></p> <p><b>4 Hrs</b></p> <p><b>4 Hrs</b></p> <p><b>4 Hrs</b></p>
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**Recommended books:**

1. Narayana.D et.al., “Basic Computational Techniques for Data Analysis”, Routledge, 2023
2. Cleff, T, “ Exploratory Data Analysis in Business and Economics”, Springer, 2014
3. C.S. French "Data Processing and Information Technology", BPB Publications 1998
4. P.K Sinha, Computer Fundamentals, BPB Publications, 1992
5. Guy Hart-Davis "The ABCs of Microsoft Office 97 Professional edition", BPB Publications, 1998
6. Karl Schwartz, "Microsoft Windows 98 Training Guide", 1998

<b>Formative Assessment for Theory</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Internal Assessment Test	10
<b>Total</b>	<b>10 Marks</b>
<i>Formative Assessment as per guidelines.</i>	

<b>Summative Assessment for Practical (SEC)</b>	
<b>Assessment Occasion/type</b>	<b>Marks</b>
Journal Entry	05
Experiments / Activities	30
Viva-Voce	05
<b>Total</b>	<b>40 Marks</b>
<i>Summative Assessment as per guidelines.</i>	

## **B.A. programme(DSC / EC) : 2024-25**

GENERAL PATTERN OF **THEORY** QUESTION COURSE FOR **DSC/ EC /AECC**

(80 marks for semester end Examination with 3 hrs duration)

### **Part-A**

1. Question number 1-05 carries 2 marks each. : 10 marks

### **Part-B**

2. Question number 06- 15 carries 05Marks each. Answer any 08 questions : 40 marks

### **Part-C**

3. Question number 16-19 carries 10 Marks each. Answer any 03 questions : 30 marks  
(Minimum 1 question from each unit and 10 marks question may have  
sub questions for 7+3 or 6+4 or 5+5 if necessary)

**Total: 80 Marks**

**Note: Proportionate weight age shall be given to each unit based on number of hours  
Prescribed**