



KARNATAK UNIVERSITY, DHARWAD
ACADEMIC (S&T) SECTION
ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ
ವಿದ್ಯಾಮಂಡಳ (ಎಸ್ & ಟಿ) ವಿಭಾಗ



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'A' Grade 2014

website: kud.ac.in

No. KU/Aca(S&T)/SSL-394A/2022-23/1055

Date: 23 SEP 2022

ಅಧಿಸೂಚನೆ

ವಿಷಯ: 2022-23ನೇ ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಎಲ್ಲ ಸ್ನಾತಕ ಕೋರ್ಸುಗಳಿಗೆ 3 ಮತ್ತು 4ನೇ ಸೆಮೆಸ್ಟರ್
NEP-2020 ಮಾದರಿಯ ಪಠ್ಯಕ್ರಮವನ್ನು ಅಳವಡಿಸಿರುವ ಕುರಿತು.

- ಉಲ್ಲೇಖ: 1. ಸರ್ಕಾರದ ಅಧೀನ ಕಾರ್ಯದರ್ಶಿಗಳು(ವಿಶ್ವವಿದ್ಯಾಲಯ 1) ಉನ್ನತ ಶಿಕ್ಷಣ ಇಲಾಖೆ ಇವರ
ಆದೇಶ ಸಂಖ್ಯೆ: ಇಡಿ 260 ಯುಎನ್ಇ 2019(ಭಾಗ-1), ದಿ:7.8.2021.
2. ಸಮಾಜವಿಜ್ಞಾನ ನಿಖಾಯ ಸಭೆಯ ಠರಾವುಗಳ ದಿನಾಂಕ: 12.09.2022
3. ವಿಶೇಷ ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ನಿರ್ಣಯ ಸಂ. 04, ದಿನಾಂಕ: 17.09.2022
4. ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಆದೇಶ ದಿನಾಂಕ: 22-09-2022

ಮೇಲ್ಕಾಣಿಸಿದ ವಿಷಯ ಹಾಗೂ ಉಲ್ಲೇಖಗಳನ್ವಯ ಮಾನ್ಯ ಕುಲಪತಿಗಳ ಆದೇಶದ ಮೇರೆಗೆ, 2022-23ನೇ
ಶೈಕ್ಷಣಿಕ ಸಾಲಿನಿಂದ ಅನ್ವಯವಾಗುವಂತೆ, ಸಮಾಜವಿಜ್ಞಾನ ನಿಖಾಯದ ಎಲ್ಲ ಸ್ನಾತಕ ಕೋರ್ಸುಗಳ ರಾಷ್ಟ್ರೀಯ ಶಿಕ್ಷಣ ನೀತಿ
(NEP)-2020 ರಂತೆ 3 ಮತ್ತು 4ನೇ ಸೆಮೆಸ್ಟರ್ಗಳಿಗಾಗಿ ವಿಶೇಷ ವಿದ್ಯಾವಿಷಯಕ ಪರಿಷತ್ ಸಭೆಯ ಅನುಮೋದಿತ
ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಪ್ರಕಟಪಡಿಸಿದ್ದು, ಸದರ ಪಠ್ಯಕ್ರಮಗಳನ್ನು ಕ.ವಿ.ವಿ. www.kud.ac.in ಅಂತರ್ಜಾಲದಿಂದ ಡೌನ್‌ಲೋಡ
ಮಾಡಿಕೊಳ್ಳಲು ಸೂಚಿಸುತ್ತಾ, ವಿದ್ಯಾರ್ಥಿಗಳು ಹಾಗೂ ಸಂಬಂಧಿಸಿದ ಎಲ್ಲ ಬೋಧಕರ ಗಮನಕ್ಕೆ ತಂದು ಅದರಂತೆ
ಕಾರ್ಯಪ್ರವೃತ್ತರಾಗಲು ಕವಿವಿ ಅಧೀನದ / ಸಂಲಗ್ನ ಮಹಾವಿದ್ಯಾಲಯಗಳ ಪ್ರಾಚಾರ್ಯರುಗಳಿಗೆ ಸೂಚಿಸಲಾಗಿದೆ.

ಅಡಕ: ಮೇಲಿನಂತೆ


ಕುಲಸಚಿವರು.

ಗೆ,

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

ಪ್ರತಿ:

1. ಕುಲಪತಿಗಳ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
2. ಕುಲಸಚಿವರ ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
3. ಕುಲಸಚಿವರು (ಮೌಲ್ಯಮಾಪನ) ಆಪ್ತ ಕಾರ್ಯದರ್ಶಿಗಳು, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
4. ಅಧೀಕ್ಷಕರು, ಪ್ರಶ್ನೆ ಪತ್ರಿಕೆ / ಗೌಪ್ಯ / ಜಿ.ಎ.ಡಿ. / ವಿದ್ಯಾಮಂಡಳ (ಪಿ.ಜಿ.ಪಿ.ಎಚ್.ಡಿ) ವಿಭಾಗ, ಸಂಬಂಧಿಸಿದ
ಕೋರ್ಸುಗಳ ವಿಭಾಗಗಳು ಪರೀಕ್ಷಾ ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.
5. ನಿರ್ದೇಶಕರು, ಕಾಲೇಜು ಅಭಿವೃದ್ಧಿ / ವಿದ್ಯಾರ್ಥಿ ಕಲ್ಯಾಣ ವಿಭಾಗ, ಕ.ವಿ.ವಿ. ಧಾರವಾಡ.



KARNATAK UNIVERSITY, DHARWAD

04 - Year B.A. (Hons.) Program

SYLLABUS for III and IV Semester

Course: ECONOMICS

SEMESTER - III:

DISCIPLINE SPECIFIC CORE COURSE (DSCC)

DSCC – 5: Intermediate Micro Economics (Code: 013ECO011)

DSCC – 6: Quantitative Methods for Economics-I (Code: 013ECO012)

OEC- 3: Macro Economics (Code: 003ECO051)

SEMESTER IV:

DSCC – 7 : Intermediate Macro Economics (Code: 014ECO011)

DSCC - 8 : Quantitative Methods for Economics -II (Code: 014ECO012)

OEC- 4 : Indian Economic Development and Policy (Code:004ECO051)

[Effective from 2022-23]

AS PER N E P - 2020

Karnatak University, Dharwad
Four Years Under Graduate Program in Economics for B.A. (Hons.)
Effective from 2021-22

Se m	Type of Course	Course / Paper Title (All theory papers)	Course Code	Paper	Instructi on hour per week	Total hours of Syllabus / Sem	Duratio n of Exam	Formative Assessment (Internal) Marks	Summative Assessment (Sem End) Marks	Total Mar ks	Credit	NEP Model	NEP Level
III	DSCC 3 P-I	Intermediate Micro Economics	013ECO011	C5	3 hrs	42	2 hrs	40	60	100	03	A1	Level-6
	DSCC 4 P-II	Quantitative Methods for Economics-I	013ECO012	C6	3 hrs	42	2 hrs	40	60	100	03	A1	Level-6
	OEC-3	Macro Economics	003ECO051	OEC -3	3 hrs	42	2 hrs	40	60	100	03	A1	Level-6
IV	DSCC 5 P-I	Intermediate Macro Economics	014ECO011	C7	3 hrs	42	2 hrs	40	60	100	03	A1	Level-6
	DSCC 6 P-II	Quantitative Methods for Economics-II	014ECO012	C8	3 hrs	42	2 hrs	40	60	100	03	A1	Level-6
	OEC-4	Indian Economic Development and Policy	004ECO051	OEC -4	3 hrs	42	2 hrs	40	60	100	03	A1	Level-6

Name of Course (Subject): ECONOMICS
Programme Specific Outcome (PSO):

On completion of the 03/ 04 years Degree in Economics students will be able to:

PSO 1 :Understand economic vocabulary, methodologies, tools and analysis procedures.

PSO 2 : Understand and apply micro economics for the formulation of policies and planning.

PSO 3 :Apply economic theories and concepts to contemporary social issues, as well as analyze the policies.

PSO 4 : Understand the impact of government policies and assess the consequences of the policies on the parties involved.

PSO 5 : Compute and assess the real situation of the economy.

PSO 6 : Understand the basics of Quantitative techniques and their applications

PSO 7 : Critically evaluate the ongoing economic developments in India and abroad

PSO 8 : Understand research methods in economics

PSO 9 :Get trained in the art of economic modeling

B.A. Semester – III

Subject: ECONOMICS Discipline Specific Course (DSC)

The course Economics in III semester has two papers (Paper I & II) for 06 credits: Each paper has 03 credits. Both the papers are compulsory. Details of the courses are as under.

Course No.-5 (Paper No. I)

Course No.	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
Course No.5	DSCC	Theory	03	03	42 hrs	2hrs	40	60	100

Course No.5 (Paper-I):

Title of the Course (Paper-I): Intermediate Micro Economics (Code: 013ECO011)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1:** Understand introductory economic concepts.
- CO2:** Know the ordinal measurement of utility and be able to understand decision making process of consumer
- CO3:** Understand and explain the production function graphically and analytically
- CO3:** Be able to understand a cost equation and estimate it
- CO4:** Explain how equilibrium is achieved in the various market models.
- CO5:** Recognize the basic concepts of factor incomes

Syllabus- Course 5: Title- Intermediate Micro Economics		42 Hrs
Unit 1	Basics of Microeconomics	14 hours
	Chapter 1 Some Concepts of Microeconomics Scarcity and Choice; Opportunity cost; Production possibility frontier; Price mechanism v/s state intervention Types of Goods (Free Goods, Economic Goods, Public and Private goods, Common Property Resources, Club goods).	6 hrs
	Chapter 2 Chapter:2 Consumption decision: Indifference curves – Meaning and Properties;budget constraint; Consumer’s Equilibrium; Price, income and substitution effects; Derivation of Demand Curve from Indifference Curves; Revealed Preference Theory; Choice between leisure and income.	8 hrs

Practicum:			
<ul style="list-style-type: none"> ➤ Prepare assignment on Consumer's equilibrium through indifference curve analysis ➤ Seminar on Concepts of Micro Economics ➤ Conducting a consumer survey to understand their tastes and preferences 			
Unit -2:	Production and Costs		14 hours
	Chapter 3	The Firms: Concept of firm and Industry; Production Function with Two variable inputs: Properties of Isoquant, isocost line and least cost combination of inputs; Production function with all variable inputs (Returns to Scale); Features of Cobb-Douglas Production Function	8 hrs
	Chapter 4	Cost of Production: Cost function and estimation: Linear and Non-Linear (cubic and quadratic) and applications ; Economies and Diseconomies of scale	6 hrs
Practicum:			
<ul style="list-style-type: none"> ➤ Group Discussion on Economies and Diseconomies of scale ➤ Project work on cost functions and cost estimations 			
Unit -3:	Price Determination of products and factors		14 hours
	Chapter 5	The Markets -I: Perfect Competition: Price determination of an industry under different time periods and equilibrium of firm under short run and long run; (some numerical exercises) Monopoly pricing and price discrimination; (some numerical exercises)	4 hrs
	Chapter 6	The Markets-II: Pricing under Monopolistic Competition; equilibrium of firm under product differentiation and selling costs; Oligopoly – Interdependence and price rigidity, Collusive (Cartels and Price leadership) and non-collusive oligopoly (Cournot model); Elements of Game theory (players, strategy, Payoff matrix)	5 hrs
	Chapter 7	The Inputs (Factors) Functional and Personal Income; Marginal Productivity Theory of Distribution; Modern theory of distribution; Concepts related to rent, wage, interest and profit.	5 hrs
Practicum:			
<ul style="list-style-type: none"> ➤ Conducting Market Survey to identify the nature and features of markets for different goods/services ➤ Understanding distribution of national income as factor incomes 			

References	
1	Ahuja, H.L. (2008): <i>Principles of Microeconomics</i> , S. Chand and Co., New Delhi
2	Mankiw, N. Gregory (2020). <i>Principles of Economics</i> (Ninth ed.). Boston, MA.
3	Jhingan, M.L. (2016): <i>Microeconomics</i> , Vrinda Publications, New Delhi
4	Koutsoyianis, A (1979): <i>Modern Microeconomics</i> , London, Macmillan
5	Omkarnath, G. (2012): <i>Economics: A Primer for India</i> , Orient Blackswan, Hyderabad
6	Samuelson, Paul (2004): <i>Economics</i> , McGraw-Hill, New Delhi
7	Krishnaiahgouda H.R. (2020): Sookshma Arthashastra (Kannada medium) Sapna Book House, Bengaluru
8	https://www.core-econ.org/the-economy/book/text/0-3-contents.html
9	Somashekhar Ne. Thi., Sookshma Arthashastra (Kannada medium), Sidhlingeshwara Prakashana, Kalburgi.
10	Varshney R L and Maheswari K L (2021): Managerial Economics, Sultan Chand and Sons, New Delhi

Pedagogy: Lecture, Problem solving, seminar, presentation, activities, group discussion, field visit, project work, etc.,

B.A. Semester – III
Subject: ECONOMICS
Discipline Specific Course (DSC)
Course No.-6 (Paper No. II)

Course No.	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
Course No.6	DSCC	Theory	03	03	42 hrs	2hrs	40	60	100

Course No.6 (Paper-II):
Title of the Course (Paper-II): Quantitative Methods for Economics-I
(Code: 013ECO012)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

CO1: Perform basic operations in Sets and functions and Matrix algebra.

CO2: Calculate limits, derivatives of Economic functions and identify the nature of relationship.

CO3: Calculate maxima and minima of function

Syllabus- Course 6: Title- Quantitative Methods for Economics-I			42 Hrs
Unit 1	Preliminaries		14 hours
	Chapter 1	Introduction to Mathematical Economics: Nature and scope of mathematical economics- Role of mathematics in economic theory	3 hrs
	Chapter 2	Number system and Set theory: Types of Numbers: Natural Number, Real number, integers, Ratios and Proportions; Concepts of sets- meaning –types- union of sets- Intersection of sets.	6 hrs
	Chapter 3	Functions: Meaning and types of Variables, Constants and Functions; Linear and Non-linear Functions; Quadratic, Polynomial, Logarithmic and Exponential functions	5 hrs
Unit 2	Economic Functions, their Application and Matrices		14 hours
	Chapter 4	Applications of functions- I Demand Function, Supply function, Graph of Economic Functions, Market equilibrium; Equilibrium price and Quantity, Impact of specific tax and subsidy on market	6 hrs
	Chapter 5	Applications of Functions -II Simple interest, Compound Interest and discounting the future (exponential function), equilibrium	2 hrs

	Chapter 6	Matrices: Definition and Types of Matrices- Matrix Operations: Addition, Subtraction and Multiplication, Transpose of a Matrix, Determinants of Matrix	6 hrs
Unit 3	Differential Calculus and Its Applications		14 Hrs
	Chapter 7	Limits: Limits of functions, differentiation, rules of differentiation.	4 hrs
	Chapter 8	Derivatives of Economic functions: Derivation of Marginal functions from total function- Utility, Production, Cost, Revenue and Profit functions	5hrs
	Chapter 9	Applications of Derivatives and Higher order derivatives: Elasticity of Demand- Second order derivatives - Maxima and Minima of Economic function.	5hrs

References	
1	Chiang, A. C. and Wainwright, K., "Fundamental Methods of Mathematical Economics", McGraw-Hill/Irwin, 4th Edition, 2005.
2	Sydsaeter, K and Hammond, P., Mathematics for Economic Analysis, Pearson Educational Asia, 4th Edition, 2002.
3	Allen R.G.D., (2015) Mathematical Analysis for Economists, Macmillan.
4	Bose D., (2003) An Introduction of Mathematical Economics, Himalaya Publishing House, Mumbai.
5	Dowling, E. T., "Introduction to Mathematical Economics", McGraw-Hill, 2001.
6	Hoy, M., Livernois, J. McKenna, C, Rees, R. and Stengos, T., "Mathematics for Economics", MIT Press, 3rd Edition, 2011
7	Veerachamy R (2005) Quantitative Methods for Economics, New Age International Publishers Private Ltd. New Delhi.
8	Yamane Taro, (2002) Mathematics for Economists -An Implementer Analysis, Phi Learning Publishers.
9	S. N. Yogish, Mathematical methods for Economists- Mangaldeep publications, Jaipur.
10	G M Dinesh and K N Muralidhar (2019), arthashatrakkagi ganitashaastra mattu sankhyashaastra (kannada medium), Mysore Book House Pub, Mysore
11	Krishnaiah Gowda H R, Vedamurth. G and Parashivamurthy. H L, (2016), Ganitatmaka mattu sankhyatmaka Arthashaastra (Kannada medium), Vidyanidhi Prakashana, Gadag

B.A. Semester – III
Subject: ECONOMICS
Open Elective Course (OEC 3) : OEC Course :
Macro Economics
(Code: 003ECO051)

Course No.	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
OEC-3	OEC	Theory	03	03	42 hrs	2hrs	40	60	100

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1: understand and explain the estimation of national income
- CO2: comprehend the idea of value of money and its measurement
- CO 3: appreciate the classical and Keynesian way of national income determination
- CO 4: understand and explain the concepts of multiplier and accelerator
- CO 5: explain the working of business cycles

Syllabus- Course OEC 3: Title- Macro Economics			42 Hrs
Unit 1	National Income and Money		14 hours
	Chapter 1	Macroeconomics: Meaning, nature and scope	3hrs
	Chapter 2	National Income : 1) Circular Flow of Income (four sector model) 2) Methods of estimation of National Income 3) Limitations	4hrs
	Chapter 3	Value of Money: a) Measurement of value of money: construction of consumer price index number; difficulties b) Components of money supply (of RBI) c) Demand for Money : Classical and Keynesian view d) Quantity theory of money i. Fisherian approach ii. Cambridge approach (Marshall's equation)	7hrs
Practicum:			
a) Prepare an assignment on circular flow of Income			
b) Work out numerical exercises on price index number			

Unit 2	Theory of Income Determination		14 hours
	Chapter 4	a) The Classical view: Features; Say's Law; wage-price flexibility b) Keynesian theory of income and employment	6hrs
	Chapter 5	a) Consumption Function: b) Psychological law of consumption c) Determinants of consumption function	4hrs
	Chapter 6	a) Investment function: Autonomous and Induced b) Determinants of Investment function : rate of interest and marginal efficiency of capital (MEC) c) Factors influencing MEC	4hrs
Practicum:			
<ul style="list-style-type: none"> • Seminar: Psychological law of consumption • Activity: Calculating MEC numerically taking a hypothetical example 			
Unit 3	Theory of Business Cycles		14 hours
	Chapter 7	Multiplier: Meaning, working, leakages	3 hrs
	Chapter 8	Accelerator: Meaning and working	3 hrs
	Chapter 9	Inflation: Causes and Effects; Business Cycles: Meaning, Features, Phases and Control	8 hrs
Practicum:			
Group discussion: Recent global recession			
Assignment: Prepare an assignment on causes and effects of inflation			

Pedagogy: Lecture, Problem solving, seminar, presentation, activities, group discussion, field visit, project work, etc.,

B.A. Semester – IV

Subject: ECONOMICS Discipline Specific Course (DSC)

The course Economics in IV semester has two papers (Paper I & II) for 06 credits: Each paper has 03 credits. Both the papers are compulsory. Details of the courses are as under.

Course No.-7 (Paper No. I)

Course No.	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
Course No.7	DSCC	Theory	03	03	42 hrs	2hrs	40	60	100

Course No.7 (Paper-I):

Title of the Course (Paper-I): Intermediate Macro Economics

(Code: 014ECO011)

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1: Comprehend and explain the classical theory of employment
- CO2: Understand the Theories of Determination of National Income
- CO3: Explain the working of multiplier and accelerator in national income determination
- CO 4: Understand and explain the tradeoff between inflation and unemployment
- CO 5: Workout numerical problems regarding consumption function, investment function and value of money

Syllabus- Course 7: Title- Intermediate Macro Economics			42 Hrs
Unit 1	Theory of National Income Determination		14 hrs
	Chapter 1	Classical Framework: 1. Typical Features of classical theory of employment; Assumptions 2. Basis of Classical theory: Say's Law Pigou's wage price flexibility Fisher's Quantity theory of money Knut Wicksell's loanable funds theory Classical dichotomy and neutrality of money 3. Criticism of classical theory	7 hrs

	Chapter 2	The Keynesian Framework 1. Introductory: connecting growth of national income to development; why incomes of all fall or rise? Are income, output, and employment related? 2. Some Basic concepts: The idea of equilibrium and identity; ex- ante and ex-post concepts. 3. Aggregate Demand and its components a. Consumption function: Marginal and Average propensity to consume: Algebraic and Graphical explanation; b. Investment function; savings and investment relationship. 4. Aggregate Supply: Meaning and graphical explanation; 5. Effective demand; Determination of national income in Keynes' two sector economy with Aggregate Demand and Aggregate Supply with fixed prices: Analytical /Graphical and algebraic explanation; numerical problems 6. Determination of national income in Keynes' two sector economy with investment and savings with fixed prices: Analytical /Graphical and algebraic explanation; numerical problems	7 hrs
	Practicum:	1) Prepare an assignment on Income and Employment determination of Keynes 2) Seminar on features of classical theory of employment	
Unit 2	Aggregate Consumption and Investment		14 hrs
	Chapter 3	Theories of Determinants of Consumption: 1. Keynesian Psychological Law of consumption; determinants 2. Permanent Income hypothesis of Milton Friedman	5 hrs
	Chapter 4	Investment: 1. Types of investment 2. Determinants of investment: a. rate of interest b. marginal efficiency of capital: meaning and determinants;	4 hrs
	Chapter 5	Concepts of Multiplier and Accelerator 1. Investment Multiplier: Meaning , process of working and leakages; 2. Accelerator : Meaning and working 3. Interaction of Multiplier and Accelerator	5 hrs
	Practicum	1) Activity: Solve problems on consumption function multiplier and MEC 2) Prepare a write-up on working of multiplier and accelerator	

Unit 3	Monetary Economics		14 hrs
	Chapter 6	Demand for and Supply of Money 1. Quantity theory of Money a) Cash transactions approach b) Cambridge approach c) Comparison of the two approaches	7 hrs
	Chapter 7	Inflation and Unemployment: a) The tradeoff: Phillips curve b) Adaptive expectations model of Friedman c) Rational Expectations Model of Robert Lucas	7 hrs
	Practicum	1) Numerical exercises with regard to cash transaction and cash balance approaches 2) Discussion on short run and long run Phillips curve	

References	
1	Ackley, G. (1976), Macroeconomics: Theory and Policy, Macmillan Publishing Company, New York.
2	Ahuja H (2016), Macro Economics- theory and policy, S Chand and Co
3	Dwivedi DN (2016) Macro Economics: Theory and Policy, Tata McGraw-Hill
4	Heijidra, B.J. and F.V. Ploeg (2001), Foundations of Modern macroeconomics, Oxford University Press, Oxford.
5	Keynes, J.M. (1936), The General theory of Employment, Interest and Money, Macmillan, London.
6	Lucas, R. (1981), Studies in Business Cycle Theory, MIT Press, Cambridge, Massachusetts
7	Somashekar Ne. Thi., Principles of Macroeconomics, Scientific International Pvt. Ltd., Publications New Delhi
8	Somashekar Ne. Thi., Samagra Arthashastra (kannada medium), Siddalingeshwara prakashana, Kalburgi.
9	H. R. Krishnaiah Gowda Samagra Arthashastra (kannada medium), Mysore book house prakashana, Mysore.

Pedagogy: Lecture, Problem solving, seminar, presentation, activities, group discussion, field visit, project work, etc.,

B.A. Semester – IV

Subject: ECONOMICS Discipline Specific Course (DSC)

Course No.-8 (Paper No. II)

Course No.	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
Course No.8	DSCC	Theory	03	03	42 hrs	2hrs	40	60	100

Course No.8 (Paper-II):

Title of the Course (Paper-II): Quantitative methods for Economics –II (Code: 014ECO012)

Course Outcomes (COs): After the successful completion of the course, the student will be able to

CO1: Understand the nature of Data and their presentation

CO2 : Calculate Descriptive statistics like measures of central tendency and dispersion

CO3 : Apply statistical techniques like correlation and regression in Economic analysis

Syllabus- Course 8: Title- Quantitative methods for Economics -II			42 Hrs
Unit 1	Preliminaries		14 hrs
	Chapter 1	Introduction to Statistics Meaning and Importance of Statistics; Functions of Statistics; Types of Statistics: Descriptive Statistics and Inferential Statistics; Variables: Qualitative Variable and Quantitative Variable	4 hrs
	Chapter 2	Data types Qualitative and Quantitative Data - CrossSection Data, Time Series Data and Panel Data - Primary and Secondary sources of Data – Methods of Collecting Primary Data	4 hrs
	Chapter 3	Tabulation and Presentation of Data: Classification and tabulation of data - Frequency distributions – Continuous and Discrete frequency distribution. Graphical presentation- Histogram- frequency polygon - Ogive Curves -Bar Diagram, Pie Chart	6 hrs
Unit 2	Measures of Central Tendency and Dispersion		14 hrs
	Chapter 4	Arithmetic Average: Definition of Central Tendency; Types of Central Tendency: Arithmetic Mean: Meaning and Properties of Arithmetic Mean – Computation of Arithmetic Mean	5 hrs

	Chapter 5	Positional Averages-Median and Mode: Definition and importance of Median-Calculation of Median- Definition and importance of Mode - Calculation of Mode.	4 hrs
	Chapter 6	Chapter-6: Dispersion: Meaning of Dispersion- Measures of Dispersion- Range- Quartile deviation- mean deviation - Standard deviation - Coefficient of Variation and Their Computation	5 hrs
Unit 3	Correlation, Regression and Time Series Analysis		14 hrs
	Chapter 7	Correlation: Meaning of Correlation - Types of correlation - Methods of measuring Correlation- Karl Pearson's correlation coefficients	5 hrs
	Chapter 8	Regression: Meaning and Importance of Regression - Regression Equation -Estimation of regression equation - Applications of regression equation in Economics	5 hrs
	Chapter 9	Time Series Analysis: Definition of Time Series – Components of Time Series – Estimation and Forecasting of Trend	4 hrs

References	
1	Gupta S P. (2012) Statistical Methods, S. Chand and Company, New Delhi.
2	S. C. Gupta, (New edition) Fundamentals of Statistics, Himalaya publishing house, Mumbai.
3	S. N. Yogish, Statistical methods for Economists- Mangaldeep publications, Jaipur.
4	Anderson, Sweeney & Williams, (2002) Statistics for Business & Economics, Thomson South-Western, Bangalore.
5	Daniel and Terrel: Business Statistics for Management and Economics; oaghton Mifflin Co., Boston, Toronts, 7th Edition, 1995, PP 1 to 972 + 6 Appendices
6	Medhi, J., Statistical Methods: An Introductory Text, Wiley, 1992
7	Morris H. Degroot and Mark J. Schervish, "Probability and Statistics", 4th edition, 2012.
8	Teresa Bradley, Essential Statistics for Economics, Business and Management, John Willey Publisher, 2007

Pedagogy: Lecture, Problem solving, seminar, presentation, activities, group discussion, field visit, project work, etc.,

B.A. Semester – IV
Subject: ECONOMICS
Open Elective Course (OEC 4) : OEC Course :
Indian Economic Development and Policy
(Code: 004EC0051)

Course No.	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
OEC-4	OEC	Theory	03	03	42 hrs	2hrs	40	60	100

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- CO1: understand and explain the sectoral composition in Indian economy
- CO2: comprehend the agriculture system in Indian and identify the problems and measures to overcome
- CO 3: appreciate the industrial structure, major policies, problems and financing relating to industrial development in India
- CO 4: understand and explain the banking landscape of India and analyse the monetary policy of RBI
- CO 5: explain the fiscal tools and analyse the Union Budget

Syllabus- Course OEC 4: Title- Indian Economic Development and Policy			42 Hrs
Unit 1	Agriculture in India		14 hours
	Chapter 1	Features of Indian Economy; Correlating Sectoral composition of National Income of India with occupational distribution of population in India	3hrs
	Chapter 2	Agriculture: Cropping pattern and production a) Land use b) Cropping pattern: Major crops under foodgrains and non-foodgrains c) Agriculture production: trends; agricultural productivity- causes and measures	5hrs
	Chapter 3	Agriculture: credit and marketing a) Agriculture credit: Sources b) Agriculture marketing: features/defects and measures c) Recent agricultural government schemes	6hrs
Practicum:			
<ul style="list-style-type: none"> • Field survey: Conduct a field survey and collect data to understand the different sources of agricultural credit; prepare a report • Mini project: Visit a nearby APMC and observe the following: <ol style="list-style-type: none"> 1) Auction sale 2) Grading 3) Storage 4) Market functionaries 5) Commodity arrivals Prepare a report based on your visit. Can you relate your on field experience with the theoretical knowledge about agricultural marketing? 			

Unit 2	Industry and service sectors		14 hours
	Chapter 4	Industrial policy of 1956 and 1991	4hrs
	Chapter 5	MSME: concept, role, problems and measures; Snapshot of Large scale industries in India Industrial finance: sources	8hrs
	Chapter 6	Service sector: Classification in national income of India Trends in composition of service sector	2hrs
Practicum:			
<ul style="list-style-type: none"> • Assignment : Problems and measures of MSMEs • Seminar: trends and composition of service sector 			
Unit 3	Indian banking and Public finance		14 hours
	Chapter 7	Indian Banking: a) Structure of Indian Banking System b) Functions of Commercial banks c) RBI: organization and functions d) Monetary Policy of RBI : objectives and instruments e) Major reforms in Banking sector	6hrs
	Chapter 8	Indian Public Finance: a) Sources and trends of Central government revenue b) Items of public expenditure of central government and trends therein c) Public debt in India: Trends and debt servicing d) Concept of deficits and trends e) Recent Union Budget : Structure and highlights	8hrs
Practicum:			
<ul style="list-style-type: none"> • Group Discussion: Recent Union Budget • Seminar on instruments of monetary policy 			

Pedagogy: Lecture, Problem solving, seminar, presentation, activities, group discussion, field visit, project work, etc.

References : (Recent editions)	
1	Dutt Ruddar and K.P.M Sundaram: Indian Economy
2	Mishra S.K & V.K Puri (2001) "Indian Economy and –Its development experience"
3	Kapila Uma: Indian Economy: Policies and Performances
4	Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
5	Jalan, B. (1996), India's Economic Policy- Preparing for the Twenty First Century, Viking, New Delhi
6	Ramesh Singh : (2021) Indian Economy , McGraw Hill, New Delhi
7	Krishnamurthy H R (2022): Bharatada Arthika Vyvasthe (Kannada medium), Sapna publications, Bengaluru
8	<ul style="list-style-type: none"> • Recent Economic survey and Budget documents visit: https://www.indiabudget.gov.in/ • For recent schemes in agriculture visit : https://agricoop.nic.in/en/ministry-major-schemes?page=1 • For cropping pattern and agricultural production visit: https://www.agricensus.com/ • For monetary policy of RBI visit : https://www.rbi.org.in/Scripts/BS_PressReleaseDisplay.aspx?prid=54148

Scheme of Formative assessment for DSCC/OEC (IA):40% weightage for total marks

Type of Assessment	Weight age	Duration	Commencement
Written Test -1	10%	1 hour	8 th week
Written Test -2	10%	1 hour	12 ^h week
Seminar	10%	10 minutes	-----
Case study / Assignment / Field work / Project work/ Activity	10%	-----	-----
Total	40% of the maximum marks allotted for the paper		

Faculty of Social Science
04 - Year UG Honors programme

GENERAL PATTERN OF THEORY QUESTION PAPER FOR DSCC/ OEC
(60 marks for semester end Examination with 2 hrs duration)

Part-A

1. Question number 1-06 carries 2 marks each. Answer any 05 questions :10marks

Part-B

2. Question number 07- 11 carries 05Marks each. Answer any 04 questions : 20 marks

Part-C

3. Question number 12-15 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: 60 Marks

Note: Proportionate weightage shall be given to each unit based on number of hours prescribed.
