A.G& S.G.SIDDHARTHA DEGREE COLLEGE OF ARTS & SCIENCE

VUYYURU-521165, KRISHNA Dt., A.P.(Autonomous)

Accredited by NAAC with "A" Grade 2022-2023



DEPARTMENT OF ECONOMICS

MINUTES OF BOARD OF STUDIES

EVEN SEMESTER

27-03-2023

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE (AUTONOMOUS) VUYYURU

ACEDAMIC YEAR - 2022 - 2023

Minutes of the meeting of the Board of Studies in Economics of AG & SG Siddhartha Degree College of Arts & Science, Vuyyuru, held at 11.00 a.m on 27-03-2023 In the Department of Economics Through online Mode.

Sri.N.Rama Raol, HOD, Economics has Presided over the BOS meeting

Members Present:		
1) N Parole		Head, Department of Economics
(Sri.N.Rama Rao)		AG & SG S Degree College of Arts & Science Vuyyuru-521165
2) G. Winnala justing	University	Head Department of Economics
(Mrs G.Nirmala Jyothi)	Nominee	S.A.S. Government Degree College Narayana Puram
1		
3)	Academic Council	Head, Department of Economics
(D.Aruna)	Nominee	SDMS Mahila Kalasala, Vijayawada
4) Ca L	cademic Council	Lecturer in Economics,
(G.Suresh Babu)	Nominee	V.S.R. Government Degree College,
		Movva

A<u>GENDA</u>

- 1. To Review and recommend any changes in the syllabi, Model Question Papers and Guidelines of 2^{nd} and 4^{th} Semesters of I and II Year B.A Economics Papers for the Academic Year 2022-2023.
- 2. To Discuss and recommend the pattern of internal Assessment, Guidelines and Model Question Papers in 2^{nd} and 4^{th} Semesters of B.A Degree Economics papers for the Academic Year 2022-2023.
- 3. To Recommend the guidelines to be followed by the Question Paper Setters in Economics for the 2^{nd} , 4^{th} and 6^{th} Semester-end exams.
- 4. To Recommend the teaching and evaluation methods to be followed under the Autonomous Status.
- 5. To Propose the panel of Question paper setters and Examiners.

⁷. Any other matter.

RESOLUTIONS:

1) It is resolved to continue the same syllabi under CBC System approved by the Academic council of 2020- 2021 for I and II B,A Papers in the II and IV Semesters of I and II B.A classes.

The APSHE has introduced Two New Subjects and New syllabus in the IV Semester of II Degree B.A from the Academic year 2021 - 2022.

- 2) Out of maximum 100 marks in each paper 30 marks shall be allocated for Internal Assessments in the II Semester.
 - A) To implement 30 marks for internal assessment and 70 marks for External Assessment for the academic year 2022-2023.
 - B) Out of these 30 marks, 20 marks are allocated for internal tests, 5 marks are allocated for assignment for II Semester. The two tests will be conducted and average of these two tests shall be deemed as the marks obtained by a student, and remaining 5 marks are allocated for attendance.
- C) Out of maximum 100 marks 25 Marks shall be allocated for Internal Assessments regarding the IV Semester for the Academic year 2022 2023.
 - D) To implement 25 Marks for Internal Assessments and 75 Marks for External Assessment regarding the IV Semester from the Academic year 2022 2023.
 - E) Out of these 25 marks, 15 Marks are allocated for internal tests, 5 marks are Allocated for assignment & 5 marks are Allocated for Activity Regarding the IV Semester from the Academic year 2022 2023.
- 3) Discussed and recommended the syllabi, Model question papers under CBC system and guidelines to be followed by the question paper setters of II and IV semesters of B.A Classes for the Academic year 2022-2023.
- 4) To follow the teaching and evaluation methods, it is also resolved to use various other methods like Group discussions, Quiz, Organizing Seminars, Guest Lectures and Workshops to upgrade the knowledge of the students and impart new skills of learning as frequently as possible.

6) The APSHE has introduced Two New Subjects i.e., Economic Development inIndia and ANDHRA PRADESH and Statistical Methods for Economics in the IV Semester of II Degree B.A from the Academic year 2021 – 2022. It is resolved to Follow the APSCHE New syllabus in the IV Semester of II Degree B.A from the Academic year 2021 – 2022 and 2022-23.

It is resolved to follow further changes if any in the syllabus by the competent Authority.

Chairman

SEMESTER -II

Cours	Title of the Course	Instructi	Credit		Evaluati	ion
e Code		on	s			
		Hours				
		per week				
				CIA		SEE
				MAR	MARKS	DURATION
				KS		
			ı		ı	
ECOT 21B	MACROECONOMIC ANALYSIS	5	4	30	70	3 Hrs.
21 D						

SEMESTER -IV

Course	Title of the Course	Instructi	Credits		Evaluatio	n
Code		on				
		Hours				
		per week				
				CIA	\$	SEE
				MARKS	MARKS	DURATION
ECO – T41	ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH	5	4	25	75	3 Hrs.
ECO – T42	STATISTICAL METHODS FOR ECONOMICS	5	4	25	75	3 Hrs.

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE

(AUTONOMOUS) VUYYURU ACEDAMIC YEAR 2022 - 2023

(An Autonomous college in the jurisdiction of Krishna University, Machilipatnam)

Economics	ECOT21B	2021-2022	B.A.(E.M)	

MACROECONOMIC ANALYSIS

B.ASEMISTER-II

<u>UNIT -IINTRODUCTION ANDNATIONAL INCOME</u>

1.1AN INTRODUCTIONTO MACRO ECONOMICS

- 1.1.1 Definition, scopeandimportanceofMacroEconomics
- 1.1.2 EvolutionofMacroEconomics
- 1.1.3 MacroEconomicsParadoxes
- 1.1.4 Circular Flow ofIncomeandExpenditureinTwo,ThreeandFoursectorEconomy

1.2NATIONALINCOME

- 1.2.1 MeaninganddefinitionofNational Income-Marshall, Pigou,Fisher
- 1.2.2 National IncomeAggregates-GDP, GNP, NDP, NNP, NNPfc, PI, DI, P.CI, RNI, RPIC
- 1.2.3 Measurement of National Income—Product, Income and Expendituremethods
- 1.2.4 Concepts of Green Accounting

<u>UNIT – IITHEROIESOFEMPLOYMENT</u>

2.1THEORIESOFEMPLOYMENT

- 2.1.1 Classical Theoryof Employment
- 2.1.2 Say's LawofMarkets
- 2.1.3 KeynesianTheory ofEmployment

2.2THEORIESOFCONSUMPTION

- 2.2.1 AverageandMarginal propensitytoconsume
- 2.2.2 Keynes psychologicalLaw of Consumption
- 2.2.3 Briefreviewof Absolute, Relative, Life cycleand Permanent incomehypothesis

2.3THEORIESOFINVESTMENT

- 2.3.1 Marginal Efficiencyof Capital(MEC)
- 2.3.2 MultiplierPrinciple ConceptsanditsWorking
- 2.3.3 The Acceleration principle
- 2.4AggregateDemandFunction-AlgebraicExplanation
- 2.5IS -LMCurves-Equations
- ${\bf 2.6 The Goods Market and Money Market Equilibrium-Algebraic Explanation}$

UNIT IIIMONEYANDBANKING

3.1THEORYOFMONEY

- 3.1.1 Meaning, DefinitionandFunctionsofMoney
- 3.1.2 Gresham's Law
- 3.1.3 R.B.I Classification of Money (NM₁, NM₂,
- 3.1.4 Fisher's Quantity Theoryof Money
- 3.1.5 CambridgeApproach(Marshall,Pigou, RobertsonandKeynesEquations

3.2THEORYOFBANKING

- 3.2.1 Definition and Types of Banking
- 3.2.2FunctionsofCommercial Banks
- 3.2.3FunctionsofCentralBank
- 3.2.4CreditControl byCentral Bank
- 3.2.5Factors Contributing to the Growth of NBFC's

UNITIVINFLATIONANDTRADE CYCLES

4.1THEORYOFINFLATION

- 4.1.1 Meaning. Definition and Concepts of Inflation
- 4.1.2 DemandPull andCost-Push inflation
- 4.1.3Philip's CurveHypothesis
- 4.1.4 Measurements of inflation- C.P. Iand W.P.I
- 4.1.5CausesandEffectsofinflation

4.2THEORYOFTRADECYCLES

- 4.2.1TradeCyclesMeaningandDefinition
- 4.2.2Phasesof TradeCycles
- 4.2.3CausesofTradeCycles
- 4.2.4MeasurestocontrolTradeCycles

<u>UNIT – V FINANCEAND INSURANCE</u>

5.1THEORYOFFINANCE

- 5.1.1Financial AssetsandFinancial Intermediates
- 5.1.2StructureofFinancialSystem
- 5.1.3Functions of Money Market
- 5.1.4FunctionsofCapitalMarket
- 5.1.5FunctionsofStockExchange
- 5.1.6BombayStockExchange(BSE)andNational StockExchange(NSE)

5.2THEORYOFINSURANCE

- 5.2.1Concept and Originof Insurance
- 5.2.2Typesof Insurance
- 5.2.3Importance of Insurance

Text book:

MacroEconomics-TeluguAkademiPublication

ReferenceBooks:

- 1. Dillard D.TheEconomicsofJhon Maynard Keynes, Cross byLockWoodandsons Londan
- 2. M. C. Vaish-MacroeconomicsTheory, VikasPublishingHouse, NewDelhi
- 3. S.B Guptha Monetary Economics, S. Chanda and Co, Delhi
- 4. P.NChopra-Macroeconomics, Kalyani Publishers, Ludhiana 2014
- 5. D.MMithani, Macro Economics Analysis and Policy, Oxford and IBH, New Delhi
- 6. MNMishra and SBMishra, Insurance Principles and Practice, S Chand
- 7. Lewis, MKandPDMizan–MonetaryEconomics, OxfordUniversityPress, New Delhi
- 8. Central StatisticalOrganisation, National AccountsStastics
- 9. M.L.Seth, Macroeconomics, Lakshmi Narayan Agarwal, 2006
- 10.K.P.M. Sundaram, Money, Banking and International Trade, Sultan Chand, 2006
- 11.R.R.Paul, MonetaryEconomics, KalyaniPublishers, Ludhiana, 2018
- 12. Macroeconomics, SpectrumPublishingHouse, Hyderabad, 2016

RecommendedCo-curricularActivities:

- 1. Assignmentsontrends in national income, moneysupplyandinflation
- 2. StudentSeminars/webinaronmacroeconomicthemesof contemporaryimportancefor Indian economy(Eg-Covid-19impactonaggregatedemand,supplychaindisruption, policyresponse etc)
- 3. Quiztotestcritical understanding of the concepts and theories of macroe conomics and their application in practice
- 4. Groupdiscussiononmonetarypolicyanditseffectivenesswith referencetorecent developments.
- 5. Groupproject worktostudy thetrends in national income, inflation, money, supplyetc.
- 6. Chat/posterpresentationonNational IncomeTrends, inflation, aggregatedemandetc.
- 7. Web-based assignmentonBanking/Money.

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE (AUTONOMOUS) VUYYURU ACEDAMIC YEAR 2021 - 2022

(An Autonomous college in the jurisdiction of KrishnaUniversity, Machilipatnam) SEMESTER- II

Eco	nomics	ECOT21B	2022-2023	B.A.(1	E.M)

MACROECONOMIC ANALYSIS

Max: Marks:70 MaX.Time:3 Hrs.

Answer all Questions (Restrict to a maximum of 2 subdivisions) SECTION-A (20 MARKS) 5X4=20M

1.	(a)Macro Economic Paradoxes?	4M	L1
	(b)Product method 4M	L1	
2.	(a) ExplainJ.B. Say market law?	. 4M	L1
	(b)Marginal Efficiencyof Capital 4M	L1	
3.	(a)R.B.I ClassificationofMoney?	4M	L2
	Or (b)Gresham'sLaw	4M	L2
4.	(a) Types of inflation.	4M	L2
	(b) CausesofTradeCycles. 4M L2		
5.	(a) FunctionsofMoneyMarket	4M	L3
	Or (b) FunctionsofStockExchange	4M	L3

ANSWER ALL QUESTIONS (Restrict to a maximum of 2 subdivisions) SECTION -B (50 MARKS) 5X10=50M

6.	(a) Explain different concepts of National Income? 10M Or	L1					
	(b)Explain different methods of estimating National Income?10M	L1					
7.	(a) Critically examine Explain the classical theory of Employment. Or	10M I	L1				
	(b) Discuss aboutKeynesian consumption function .						
8.	8. (a) Explain the meaning and functions of Money Or						
	(b)Explain FunctionsofCommercial Banks	10M L2					
9. Or	. (a) ExplainPhasesof TradeCycles.						
	(b)Explain StructureofFinancialSystem?						
10.	(a) Explain the meaning, definition and Importance of Insurance? 10M Or	L3					
(b)Exp	plain FunctionsofCapitalMarket? 10M L3						

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE (AUTONOMOUS) VUYYURU

ACEDAMIC YEAR 2022 - 2023

SEMESTER – 4 :: COURSE – 4 ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH

NO. OF CREDITS: 4

LEARNING OUTCOMES FOR THE COURSE

At the end of the course, the student is expected to demonstrate the following cognitive abilities and psychomotor skills.

- 1. Remembers and states in a systematic way (Knowledge)
- a. leading issues of Indian economic development with reference to potential for growth, obstacles and policy responses
 - b. Objectives, outlays and achievements of economic plans and growth strategies
 - 2. Explains (understanding)
 - a. Available Resources, demographic issues, general problems of poverty and unemployment and relevant policies
 - b.Sector specific problems, remedial policies and their effectiveness relating to Agriculture and Industrial Sectors of Indian and AP economy and infrastructure issues of AP economy
 - c. Indian Tax system, recent changes, issues of public expenditure and public debt, recent finance commissions and devolution of funds
 - d. Major issues of economic development of Andhra Pradesh after bifurcation and Central assistance
 - 3. Critically examines using data and figures (analysis and evaluation)
 - a.Leading issues of current importance relating to India and AP economy, major policies and programmes
 - b. Covid–19 and its impact on Indian economy
 - 4. Uses official statistical data and reports including tables and graphs
 - a. To explain the achievements of Indian economy with reference to the objectives of planning and policy and make critical evaluation

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE (AUTONOMOUS) VUYYURU

ACEDAMIC YEAR 2021 - 2022

<u>SEMESTER – 4 :: COURSE – 4</u>

ECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH

Module – 1 Basic Features Basic characteristics of Indian Economy as a developing economy – Economic development since independence - Objectives and achievements of planning – Planning Commission/NITIAyog and their approaches to economic development - India's Rank in Global Human Development Index .

Module 2 National Income and Demography Trends in National income - Demographic trends - Poverty and Inequalities – Occupational Structure and Unemployment - Various Schemes of employment generation and eradication of poverty – Issues in Rural Development and Urban Development –Intra-state and Inter-state Labour Migration and unorganized sector Problems of Migrant Labour.

Module – 3 Agricultural and Industrial Developments Indian Agriculture – Agricultural Strategy and Agricultural Policy – Agrarian Crisis and land reforms – Agricultural credit – Minimum Support Prices -Malnutrition and Food Security - Indian Industry - Recent Industrial Policy – Make-in India – Start-up and Stand-up programmes – SEZs and Industrial Corridors - Economic Reforms and their impact - Economic initiatives by government of India during COVID - Atmanirbhar Bharat package.

Module –4Indian Public Finance Indian Tax System and Recent changes – GST and its impact on Commerce and Industry – Centre, States financial relations-Recommendations of Recent Finance Commission – Public Expenditure and Public Debt - Fiscal Policy and Budgetary Trends

Module- 5Andhra Pradesh Economy The basic characteristics of Andhra Pradesh economy after bifurcation in 2014 – Impact of bifurcation on the endowment of natural resources and state revenue – new challenges to industry and commerce - the new initiatives to develop infrastructure – Power and Transport - Information Technology and e-governance – Urbanization and smart cities – Skill development and employment – Social welfare programmes.

Reference Books:

- 1. Dhingra, I.C., Indian Economy, Sultan Chand, New Delhi, 2014.
- 2. Gaurav Datt and Ashwani Mahajan, Datt and Sundharam's Indian Economy, S.Chand& Co., 2016.
 - 3. G. M. Meier, Leading Issues in Economic Development, Oxford University Press, New York, 3/e.
 - 4. M. P. Todaro and Stephen C. Smith, Economic Development, 10/e, Indian Edition Published by Dorling Kindersley India Pvt. Ltd. 2012.
 - 5. P. K. Dhar, Indian Economy: Its Growing Dimensions, Kalyani Publishers, Ludhiana, 2018
 - 6. Reserve Bank of India, Handbook of Statistics on Indian Economy (Latest).
 - 7. S.K.Misra&V,K,Puri, Indian Economy, Himalaya Publishing House, 2015.
 - 8. R.S.Rao, V.Hanumantha Rao &N.Venu Gopal (Ed.), Fifty Years of Andhra Pradesh (1956-2006), Centre for Documentation, Research and Communications, Hyderabad, 2007.
 - G. Omkarnath, Economics A Primer for India Orient Blackswan, 2012.
 A.P Economy- Telugu Academy, 2018
 Recommended Co-curricular Activities:
 - 1. Assignments on specific issues of contemporary importance with reference to problems and remedial policies
 - 2. Student Seminars on leading economic challenges, the effectiveness of relevant policies and programmes
 - 3. Quiz to examine the knowledge and critical understanding of major policies, programmes achievements, failures relating to all sectors
 - 4. Group discussions to promote critical understanding and evaluation capabilities of the students on major areas of Indian and AP economy
 - 5. Group project work to study the implementation and effectiveness of major government schemes of development, poverty eradication and employment promotion etc.,
- 6. PPT presentation and participation in webinars to help the students acquire and adapt ITC skills in the process of learning
- 7. Field Visits to Agricultural farm/market/SSIs to understand the ground realities of economic situation of the country and the state

A.G. & S.G.SIDDHARTHA DEGREE COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS) VUYYURU (2021 – 2022) B. A. ECONOMICS

Economics	ECOT41	(2022-2023)	BA (EMS)

Semester – IV MODEL QUESTION PAPERECONOMIC DEVELOPMENT- INDIA AND ANDHRA PRADESH

Duration: 3hrs Maximum marks: 75 M Pass marks:30

Section- A

5X5 = 25M

Answer any <u>Five</u> of the following questions:

- 1. What is Global Human Development index
- 2. Concepts of Poverty.
- $3. \ Start-up \ Programmes$
- 4. Skill India
- **5**. What is Goods and Services Tax?
- 6. Importance of Tourism in AP
- 7. What are the objectives of Indian Economy?
- 8. MGNREGS

Section - B

Answer any <u>Five</u> of the following questions: 5X10=50M

9. (A) Discuss about Basic Characteristics of Indian Economy as a Developing Economy?

(Or)

- (B) Write about the establishment of NITI Ayog? Explain its objectives?
- 10 (A) Define poverty? Explain the causes for poverty and remedial measures to Reduce the poverty in India

- (B) What is unemployment? Explain the causes for Unemployment and Remedial measures to reduce Unemployment in India.
- 11. (A) Explain the Importance of Indian Agriculture sector in the Indian Economy.

(Or)

- (B) Describe the Impact of Green Revolution on Indian Economy.
- 12 (A)Discuss about GST Impact on commerce and Industry. (Or)
- (B) Discuss the different methods of redemption of Public debt ?
- 13. (A) Explain the Basic characteristics of AP Economy after bifurcation in 2014? (OR)
- (B) Explain the Role of Information Technology in the economic development of Andhra Pradesh

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE (AUTONOMOUS) VUYYURU

ACEDAMIC YEAR 2021 - 2022

COURSE- 5(Semester - IV)

STATISTICAL METHODS FOR ECONOMICS

NO. OF CREDITS: 4

LEARNING OUTCOMES FOR THE COURSE

At the end of the course, the student is expected to demonstrate the following cognitive abilities and psychomotor skills.

- 1. Remembers and states in a systematic way (Knowledge)
- a. the definitions, terms and their meaning relating to statistical methods
- b. various formulae used to measure central tendency, correlation regression and Indices
- 2. Explains (understanding)
- a. Importance of statistics and its applications
- b. The method of classification of primary data
- c. Uses of Correlation and Regression analysis, time series and index numbers in economic analysis
- 3. Analyses and solves usinggiven data and information (analysis and evaluation) a. different kinds of statistical problems using various principles and formulae relating to central tendency, correlation, regression, time series and indices b. to interpret data and suggest solutions to economic problems
- 4. Draws critical diagrams and graphs.
- a. Histogram, Frequency Polygon and Frequency Curve
- b. More than cumulative and less than cumulative frequency curves (Ogive)
- c. Different types of Bar diagrams
- d. Pie Diagram and its uses in economic analysis

AG&SG SIDDHARTHA DEGREE COLLEGE OF ARTS and SCIENCE (AUTONOMOUS) VUYYURU

ACEDAMIC YEAR 2022 - 2023

COURSE-5(Semester - IV)

STATISTICAL METHODS FOR ECONOMICS

NO. OF CREDITS: 4

Module – 1: Nature and Definition of Statistics Introduction to Statistics – Definition, scope, importance and limitations of Statistics – Primary and Secondary data- Census and Sampling techniques and their merits and demerits

Module – 2:Diagrammatic Analysis Collection of data - Schedule and questionnaire – Frequency distribution – Tabulation – diagram and graphic presentation of data – Histogram, Frequency Polygon, Cumulative Frequency Curves - Bar Diagrams and Pie Diagram

Module – 3:Measures of Central Tendency and Dispersion Measures of Central Tendency and Dispersion - Types of averages- Arithmetic Mean, Geometric Mean, Harmonic Mean – Median – Mode – Dispersion - Range, Quartile Deviation, Mean Deviation, Standard Deviation- Coefficient of Variation.

Module – 4:Correlation and Regression Correlation and Regression - Meaning, Definition and uses of Correlation- Types of Correlation- Karl Pearson's Correlation coefficient - Spearman's Rank CorrelationRegression Equations - utility of regression analysis – Demand forecasting.

Module – 5: Time Series and Index Numbers Time Series and Index Numbers: Definition and components of Time Series – Measurement of Time Series – Moving Average and the Least Squares Method – Index Numbers - Concepts of Price and Quantity Relatives – Laspeyer's, Paasche's and Fisher's Ideal Index Numbers – Uses and Limitations of Index Numbers.

Reference Books:

- 1. B. R. Bhat, T. Srivenkataramana and K.S. MadhavaRao (1996): Statistics: A Beginner's Text, Vol. I, New Age International (P) Ltd.
- 2. Goon A.M, Gupta M.K., Das Gupta B. (1991), Fundamentals of Statistics, Vol. I, World Press, Calcutta.
- 3. M. R. Spiegel (1989): Schaum's Outline of Theory and Problems in Statistics, Schaum's Outline Series.
- 4. F. E. Croxton, D. J. Cowden and S. Kelin S (1973), Applied General Statistics, Prentice Hall of India. 2.
- 5. S.P. Gupta, Statistical Methods, S. Chand & Co, 1985
- 6. S. C. Guptha, Fundamentals of Statistics, Himalaya Publishing House, Hyderabad.
- 7. Digambar Patri and D. N. Patri, Statistical Methods for Economics, Kalyani Publishers, Ludhiana, 2017.
- 8. Telugu Akademy Book, ParimanathmakaPaddathulu (For B.A.).

Recommended Co-curricular Activities:

- 1. Assignments of the application of various statistical methods
- 2. Student Seminar on themes requiring usage of tables, diagrams, statistical analysis and interpretation
- 3. Group project work for collection of data on locally relevant economic problems
- 4. Market survey on demand, supply, sales, prices of different kinds of projects like food items, FMCG, other consumable durables etc., etc., and Statistical Analysis- Mini Project and also income elasticity of demand for such products

A.G. & S.G.SIDDHARTHA DEGREE COLLEGE OF ARTS & SCIENCE

(AUTONOMOUS) **VUYYURU** (2022 – 2023)

Semester – IV PAPER CODE: ECO – T42

PAPER TITLE: STATISTICAL METHODS FOR ECONOMICS

Duration: 3hrs Maximum marks:75

SECTION:A

Answer any <u>FIVE</u> of the following questions: 5x5= 25 M

SEMESTER- IV Model Paper SECTION-A

Answer of any five the Following:

5X5 = 25M

- 1. What are the uses of Statistics?
- 2. Pie diagram
- 3. Find the A.M.

No. of	1	2	3	4	5	6	7	8
variable								
Frequency	2	4	6	8	12	20	8	4

- 4. Bar Diagram
- 5. What is Dispersion?
- 6. Represent the following data by a histogram:

Marks	0-10	10-20	20-30	30-40	40-50
No. of Students	8	12	22	35	5

- 7. Explain the different types of Averages
- 8. Rank Correlation?

SECTION-B

Answer of the Following:

5X10=50M

9.(A) From the following data Calculate A.M. by short cut method

Marks	No. of students
0-10	2
10-20	12
20-30	15
30-40	18
40-50	25
50-60	10
60-70	8
70-80	5
80-90	4
90-100	1

(OR)

(B) Find the Median:

Marks	No. of students
10-19	2
20-29	12
30-39	15
40-49	18
50-59	25
60-69	10

10.(A) What are the various methods used in Collecting Primary data?

(OR)

(B)Find median from the following data.

Classes	Frequency
100-200	3
200-300	19
300-400	17
400-500	15
500-600	18

600-700	16
700-800	12

11.(A)Compute Fisher's Ideal Index from the following data.

1989		19	90		
Commodity		price quantity		price	quantity
A	4	40	5	5	0
В	8	64	. 9	8	0
C	10	70	10) 7()
D	2	10) ∠	1	6
			(or)		

(B) Calculate the coefficient of correlation from the following data.

X	F
12.5	28
17.5	42
22.5	54
27.5	108
32.5	129
37.5	61
42.5	45
47.5	33

12. (A) Find Range and its Coefficient from the following:

Incomes	No. of workers
250-400	5
400-550	18
550-700	32
700-850	16
850-1000	20
1000-1150	25
1150-1300	10

(OR)

(B) Find the mean deviation and Co efficient using by A.M. and Median

X	
31	
47	
48	
52	
58	
59	
60	
65	
66	
75	
46	

13 (A)To Find Upper Quartile from the following table :

Marks	Wages
30-32	3
32-34	8
34-36	24
36-38	31
38-40	50
40-42	61
42-44	38
44-46	21
46-48	12
48-50	2

(OR)

(B) Explain Questionnaire