

Sri Sathya Sai College for Women, Bhopal

(An Autonomous College affiliated to Barkatullah University, Bhopal)

(NAAC Accredited 'A' Grade)



SYLLABUS

UG

SESSION- 2023-24

CLASS: B.Com. II YEAR

SUBJECT: COMMERCE

Dr. S. Mathew

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02/09/23

S. Tripathi

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(An Autonomous College Affiliated to Barkatullah University Bhopal)
Department of Higher Education, Govt. of M.P.
Under Graduate Syllabus (Annual Pattern)

As recommended by Central Board of Studies and approved by the Governor of M. P.

wef 2022-2023
(Session 2023-24)
(NEP-2020)

Class / कक्षा	B.Com. / बी. कॉम.
Year / वर्ष	Second / द्वितीय वर्ष
Subject / विषय	Commerce / लेखांकन
Course Title / पाठ्यक्रम का शीर्षक	Business Statistics/ व्यवसायिक सांख्यिकी
Course Type / पाठ्यक्रम का प्रकार	Minor / माइनर
Credit Value/ क्रेडिट मान	6
Max. Mark/ अधिकतम अंक	30+70 (Minimum Marks 35)

Course Outcome: - At the end of the course, students should be able to:

1. Apply a basic knowledge of statistics to business disciplines;
 2. Develop the ability to analyze and interpret data to provide meaningful information to assist in management decision making activities;
 3. Apply appropriate graphical and numerical descriptive statistics for different types of data;
 4. Apply probability rules and concepts relating to discrete and continuous random variables to answer questions within a business context;
 5. Explain and interpret a variety of hypothesis tests to aid decision making in a business context;
- Use simple/multiple regression models to analyze the underlying relationships between the variables.

Particular / विवरण

Unit-I	Statistics: Meaning, Definition Significance Scope and Limitations of Statistical investigation, Process of data collection ,primary and secondary Data ,Methods of sampling, preparation of Questionnaire ,Classification and Tabulation of data, preparation of statistical Series and its types,
इकाई-1	सांख्यिकी – अर्थ, परिभाषा, महत्व क्षेत्र और सीमाएं, सांख्यिकी अनुसन्धान। समंको संकलन की प्रक्रिया, प्राथमिक और द्वितीयक समंको, निदर्शन की रीतियों, प्रश्नावली की रचना, समंको का वर्गीकरण एवं सारणीकरण, सांख्यिकी श्रेणियों की रचना एवं प्रकार
Unit-II	Measurement of Central Tendency- Mean, Mode, Median, Partition Value, Geometric Mean and Harmonic Mean.
इकाई-2	केन्द्रीय प्रवृत्ति की माप – माध्य, भूयिष्ठिक माध्यिका, विभाजन मूल्य, गुणोत्तर माध्य एवं हरात्मक माध्य।
Unit-III	Dispersion and Skewness- Range, Lorenz Curve, Quartile Deviation, Mean Deviation, Standard Deviation. Coefficient of Variation, Variance. Correlation- Meaning, Definition, Types and Degree of Correlation, Coefficient of Correlation Methods.
इकाई-3	अपकिरण एवं विषमता – विस्तार, चतुर्थक विचलन, माध्य विचलन, प्रमाप विचलन, विचरण गुणांक, प्रसरण सहसंबंध – आशय, परिभाषा, प्रकार, सहसंबंध का परिमाण, सहसंबंध गुणांक की विधियां
Unit-IV	Regression Analysis —Meaning, Uses, Difference between Correlation and Regression, Regression Equations, calculation of Coefficient of Regression Analysis of Time Series- Meaning, Importance Components, Measurement of long term trends. Measurement of cyclical and Irregular fluctuations.
इकाई-4	प्रतीपगमन विश्लेषण – आशय, उपयोग, सहसंबंध एवं प्रतीपगमन में अंतर, प्रतीपगमन समीकरण, प्रतीपगमन गुणांक का परिकलन। काल श्रेणी का विश्लेषण – अर्थ, महत्व, संघटक, दीर्घकालीन उपनति के माप, चक्रीय एवं अनियमित उच्चावचनों के माप। गुण संबंध (केवल दो विचरण)
Unit-V	Index Number- Meaning, Characteristics, Importance and uses, construction of Index number, Cost of living Index, Fisher's ideal Index number, Diagrammatic and Graphical presentation of data. Association of Attribute (only two variable), Meaning, Types, Characteristics, Methods of determining Association of Attribute
इकाई-5	निर्देशांक – अर्थ, विशेषताएं, महत्व एवं उपयोग। निर्देशकों की रचना – जीवन निर्वाह निर्देशांक, फिशर का आदर्श सूचकांक। समंको की चित्रमय एवं रेखीय प्रस्तुति। गुण संबंध (केवल दो विचरण), अर्थ प्रकार विशेषताएं, गुण संबंध के मापने की पद्धति सार बिन्दु – सांख्यिकी, केन्द्रीय प्रवृत्ति, अपकिरण, विषमता, सहसंबंध, निर्देशांक, गुण संबंध

Suggestion Books:

1	Vohra, N. D.	Business Statistics	McGraw-Hill Education India New Dehli
2	Levine	Usiness Statistics A First Course	Pearson New Delhi
3	Pillai R.S.N. & Bagavathi	Practical Statistics	S. Chand and sons , New Delhi
4	Gupta, S.C.	Fundamentals of Statistics	Himalya Publication, Nagpur

Scheme of Marks:

Suggested Continuous Evaluation Methods:

Maximum Marks: 100		
Continuous Comprehensive Evaluation 30 marks (CCE): Term End Exam Theory 70 marks		
Internal Assessment : Continuous Comprehensive Evaluation (CCE): 30 Marks	There shall be 4 class tests of 10 marks each, out of which the 3 best scores are to be taken into account.	10+10+10= 30
External Assessment: Term End Exam (Theory) 70 (Time : 03:00 Hrs.)	Section (A) 10 Marks (a) Objective questions – 5 (b) Very Short Answer type question – 5 (word limit 50 words) Section (B) 24 Marks: Short Answers Type Questions 1 question from each unit (word limit – 250 words) 4 to be attempted out of 7 given questions Section (C) 36 Marks: Long answer type questions (word limit 500 words) 4 to be attempted out of 7 given questions	10 question 01 marks each - 10 4 question 06 marks each - 24 4 questions 09 marks each - 36
		Total 70

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B.Com. / बी. कॉम.

Second / द्वितीय

Commerce / लेखांकन

Cost Accounting/ परिव्यय लेखांकन

Major / मेजर

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Dr. S. Mathew

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29/23

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S. T. Pathak
29/23

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20/10/23