

Sant Gadge Baba Amravati University, Amravati
Faculty : Humanities

Three Years – Six Semester Bachelor’s Degree Programme
For Degree of Bachelor of Arts – Statistics

Syllabus Statistics Semester II

Vertical c Generic / Open Elective Statistics OE 2

Level	Semester	Course Code	Course Name	Credits	Teaching Hours	Exam Duration	Max. Marks
5	II	665206	Measures of Central Tendency	2	30	2 Hrs	30

Course Outcomes :

After completing this course students will be able to

1. Become familiar with handling of data.
2. Can express the vast and diverse data into compact and more specific manner.
3. Can measure Central tendency using different devices such as arithmetic mean, median and mode.

Serial No.	Contents	Workload Alloted	Weightage of Marks Alloted
Unit I	1.1 Frequency and Frequency Distribution 1.2 Class, class limits, class interval, types of classes 1.3 Central tendency - concept, definition, importance and need of central tendency 1.4 Measures of central tendency, requisite of ideal measure	8 Hrs	8 Marks
Unit II	2.1 Arithmetic mean for ungrouped data 2.2 Weighted Arithmetic mean and its need 2.3 Properties, merits and de-merits of Arithmetic Mean 2.4 Simple problems on Arithmetic Mean	8 Hrs	8 Marks
Unit III	3.1 Median for ungrouped and grouped data 3.2 Merits and demerits of median 3.3 Partition values – Quartiles, percentiles and deciles 3.4 Simple problems on median	7 Hrs	7 Marks
Unit IV	4.1 Mode for ungrouped and grouped data 4.2 Merits and demerits of mode 4.3 Uses of mode 4.4 Simple problems on mode	7 Hrs	7 Marks

References :

Course Material/Learning Resources

Text books:

- 1) मुलभूत सांख्यिकी प्रा. राम देशमुख विद्याप्रकाशन
- 2) संख्यात्मक तंत्रे प्रा. राम देशमुख विद्याप्रकाशन
- 3) सांख्यिकीमुलभूततंत्रे : प्रा. पुरुषोत्तम नवघरे

Reference Books:

- 1) Bhat B.R. Shrivankataraman T and RaoMadhava K.S. (1996) : Statistics: A Beginners's Text Vol.1, New Age International (P) Ltd.
- 2) Goon A.M., Guptam M.K., Dasgupta B: Fundamental of Statistics, Vol 1, 2, World Press Calcutta.
- 3) Croxton F.E. , Cowden D.J.andKelin S: Applied Generatl Statistics, Prentice Hall India
- 4) Gupta S.C. ,Kapoor V.K. : Fundamental of Mathematical Statistics; S. Chand & Company