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1.29 UG PROGRAM (4 YEARS HONORS) WITH SINGLE MAJOR AT THE END OF FOURTH SEMESTER MULTIDISCIPLINARY COURSES BASIC STATISTICS (COMMON FOR ALL MAJORS)

(w.e.f. Admitted Batch 2023-24)

Time: 2 Hours

Section-A

Answer any Four Questions.

- 1. Explain Frequency Polygon.
- 2. Explain Classification and Tabulation of frequency distribution.
- 3. Explain Features of Measurers of Central Tendency.

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- Define Skewness based on central values.
- 5. Define Correlation and explain correlation coefficient.
- 6. Explain the relationship between QD and MD.

Section - B

Answer All questions.

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- 129 129 129 129 129 129 129 129 129 129 7. a) Explain Primary and Secondary data? 129 129 129 129 129 129

 - 329 129 129 12**(Or)** 129 129 129 129 129 b) Explain the diagrammatic representation of a statistical data. Give its merits and TEN 120 129 129 129 29 129 129 129 129 129 129 129 129 129
- 8. a) Calculate Mean and Median for the following frequency distribution.

SI.	4CI 1	21	0-8		8-16		16-24 ₁₂₉			24-32		129 32-40			40-48	
Ļ	1	20	8	120	1297	129	129	16	1.55	2	4	2.15	1.5	129	1297	129
4.17	129		129	129	120	129	129	129	129	139	120	1234	17.0	1 6-	,	

(Or) b) Explain Empirical Relationship between mean, median and mode? 129

129 129 129 129 129 9. a) Find the semi quartile range and quartile coefficient of the following.

From- 129 Size	120-40	129 129 1	81-120 19 129 128	291215160	29161-200	201-240	241 and
Frequency	394	461	391129	129 334 129	124 124 124		OVEL
100 100 800	129 129	122	426 091120	334	169	108 113 129	148

129 129 129 120 120 129 129 (Or) b) Briefly Explain Measures of Dispersion.

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