

Subject: Statistics

Total Marks: 80

Instructions: Answer all 16 questions. Each question carries 5 marks.

1. Define statistics. What are its applications?
2. Differentiate between primary and secondary data.
3. Explain measures of central tendency.
4. What is mean, median and mode?
5. Describe measures of dispersion: range, variance, standard deviation.
6. Solve: Calculate mean of 10, 15, 20, 25, 30.
7. Explain frequency distribution and its types.
8. Define correlation and regression.
9. Explain types of correlation with examples.
10. What is probability? Define its basic terms.
11. Solve: A coin is tossed twice. Find the probability of getting one head.
12. Explain types of sampling techniques.
13. What is hypothesis testing?
14. Explain normal distribution curve.
15. Define time series analysis.
16. Differentiate between descriptive and inferential statistics.