

श्री अखिला विश्वविद्यालय इन्दौर  
(Regular) छात्रों के लिए

Class : BCA I Semester  
Paper : Statistical methods

Attempt all the five questions. Each question carry equal marks.

Q.1 What is statistics? How do you think that the knowledge of statistics is essential in management decision. Give examples.

Q.2 Calculate mean deviation from median & mode from following distribution

No. of Persons : 1 2 3 4 5 6 7 8 9

No. of Families : 15 20 16 12 10 9 8 6 4

Q.3 The first four central moments are 0, 4, 8 & 144. Examine the skewness and kurtosis.

Q.4. What is meant by Probability distribution of a random variable? Distinguish probability density function and Probability mass function with examples.

Q.5 Obtain the equation of two lines of regression for the data given below:

X : 1 2 3 4 5 6 7 8 9

Y : 9 8 10 12 11 13 14 16 15