

Paper Code : DMB-115

Roll No : .....

BBA-4, BBA-4(HTM)  
JUNE 2019  
1st Year  
Section A- Business Statistics  
Section B-Financial Management

Time : 3 Hours ]

[ Max. Marks : 100

Note. Attempt any Five questions. All questions carry equal marks.

- Q.1      What are the two main aspects of finance function? Discuss the important functions of a finance manager.
- Q.2      Test whether the following Markov chains are periodic or aperiodic.
- Q.3      Define statistics. Give its limitations and functions.
- Q.4      Explain the objects of capital structure planning and the factors affecting it?
- Q.5      The number of letters that a department receives each day can be modeled by a distribution having mean 25 and standard deviation 4. For a random sample of 30 days, what will be the probability that the sample mean will be less than 26?
- Q.6      Discuss the important functions of finance manager?
- Q.7      The mean value of the modulus of rupture of a large number of test specimen has been found to be  $400 \text{ kg/cm}^2$ . If the standard deviation is  $70 \text{ kg/cm}^2$  and the distribution is approximately normal, for what percentage of the specimens the modulus of rupture will fall (i) between 350 and 450? (ii) above 300 ?
- Q.8      Find the appropriate measure of skewness from the following data:  
Value Less than 10 10-20 20-30 30-40 40-50 50 and above  
Frequency 5 9 16 7 6 7