DOON UNIVERSITY, DEHRADUN
Mid Term Examination, First Semester, 2012
School of Environment & Natural Resources

M.Sc. Environmental Science (EVS & NRM)
Course: EES – 524: Statistics & Computer Applications

Time Allowed: 2 Hours   **Maximum Marks: 30**

Note: All questions are compulsory. Answer in the space provided.

1. The distribution used when there are two outcomes of an experiment is the

2. The probability of obtaining a sum of 6 when two dice are thrown is _____

3. The error committed when a false null hypothesis is accepted is known as the

4. If the total number of observations in testing the significance of differences amongst three populations is 39, the degrees of freedom due to error are _____

5. The entity that represents the value having maximum frequency is known as

6. In an experiment designed to test the efficacy of feed on milk production, total yield from 12 cows was measured before and after the feed was given. The test used to test the hypothesis is _____

7. The design used when there is a one-sided gradient in the experimental area is

8. The events which do not affect the outcome of each other are known as

9. The standard deviation of a binomial distribution with parameters $n = 18$ and $p = 0.23$ is _____

10. The set of all possible outcomes of an experiment is known as

_____

11. Hypotheses are expressed in terms of _____

12. The observations are said to be in _____ scale when the

relation 'greater or less than' exists but it is not known by how much.

13. The parameters of a normal distribution are _____

14. The mean of a Standard Normal Variate is _____ and variance is

_____

15. The test-statistic used to test the significance of means of three of more treatments is

_____