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9. If events are mutually exclusive their joint probability is
a. Zero b. greater than one c. one d. Less than one
10. A sample of 800 respondents is taken. Of these, 500 are female; a point estimate for the
proportion of male respondents in the population will be:
a. 62.5%
b. 37.5%
c. 40%D.60%
11. If the P (A)=0.3 and the P (B/A)=0.8What is the P(ANB)?A.37.5%
b. 26.7%
c. 24% 12. Which of the following is (are) the parameter of normal distribution?
a. Fixed number of trial and probabilityb. Mean onlyc. Standard deviation only
d. Mean and standard deviation
13. If for a Poison distribution the probability that an item gets defective is 40% and the number
of items is 20 what is the standard deviation?
a. 2.83
b. 4.8
c. 2.19
d. 8
14. For a normally distributed data set with a mean of 70 and standard deviation of 10; about
68% of; the data lies between what two values?
a. 50 and 90
b. 65 and 80 c. 78 and 68 d. 80 and 90
15. A normal distribution with mean zero and standard deviation 1 is:
A. Perfect normal distributionB. Exponential distribution
C. Standard normal distribution D. Central limit theorem
16. Is a sample is take form normal distribution, then the mean of the sampling distribution is;
A. Unimodal B. Bimodal C. Tri modal D. Normal
17. Assuming normal probability distribution with means 120 and standard deviation 5, how
many standard devotion is the value 12 from the mean?
a. -1.6
b. 1.6
C. 8
d-8
18. Assuming question number 17 above what is the probability that a randomly selected value will be between 10 and 30
a. 99.75%
b. 95.44%
c.68.26%
d. 100%