1.Bernoulli random variables take (only) the values 1 and 0
Ans -a) True

2. Which of the following theorem states that the distribution of averages of iid variables, properly normalized, becomes that of a standard normal as the sample size increases?

Ans-a) Central Limit Theorem

3.Which of the following is incorrect with respect to use of Poisson distribution?
Ans- b) Modeling bounded count data

4. Point out the correct statement.
Ans - d) All of the mentioned

5. _____ random variables are used to model rates.
c) Poisson

6. 10. Usually replacing the standard error by its estimated value does change the CLT.
a) True
b) False

7. 1. Which of the following testing is concerned with making decisions using data?
a) Probability
b) Hypothesis
c) Causal
d) None of the mentioned

8. 4. Normalized data are centered at
_____and have units equal to standard deviations of the
original data.
Ans- a) 0

9. Which of the following statement is incorrect with respect to outliers?
Ans- c) Outliers cannot conform to the regression relationship

10. What do you understand by the term Normal Distribution?
        If data create bell shape curve than it is normal distribution

11. How do you handle missing data? What imputation techniques do you recommend?

Ans- replace missing entries with the average (mean), middle value (median), or most frequent value (mode) of the corresponding column

12. What is A/B testing?
Ans- A/B testing—also called split testing or bucket testing—compares the performance of two versions of content to see which one appeals more to visitors/viewers

13.Is mean imputation of missing data acceptable practice?
Ans- no

14. What is linear regression in statistics?

Linear regression analysis is used to predict the value of a variable based on the value of another variable. The variable you want to predict is called the dependent variable.

15. What are the various branches of statistics?
There are three real branches of statistics: data collection, descriptive statistics and inferential statistics.