

8cd07
CT-2
02.04.2018

Class Test #2
Dept. of CSE, RUET
Time: 20 minutes

1. Show graphically the approximate position of mean, median and mode when the distribution is (i) negatively skewed, (ii) positively skewed and (iii) symmetrical. 05
2. Which scale of measurement (ordinal, nominal, interval, and ratio) will you use to represent the following variables: 10

family size, religion, race, level of satisfaction, day temperature, length of schooling, happiness, age, room number, telephone number, opinion, hair colour, work status.

Which type of graphs and diagrams would be suitable for representing the above variables?

3. Find out the basic point of differences of interval level data and ratio type data. 05

CT-3

Class Test
Dept. of CSE, RUET
Time: 20 minutes

10cd07
23.04.2018

- 1 a) State Bayes theorem and prove it. 10
- b) A bag contains 4 red, 6 black and 7 white marbles. A marble is chosen at random from the bag. If the marble is not white, what is the probability that it is red? 5
- c) Define sampling with replacement and sampling without replacement. Which one is better in your opinion? 5