

Test / Exam Name: Maths – Data Handling **Standard:** 7th **Subject:** Mathematics
Student Name: **Section:** **Roll No.:**
Questions: 19 **Time:** 01:00 hh:mm **Marks:** 30

Instructions

- Honesty is the best policy.
- Start a new section from a new page

SECTION-A

- Q1.** Find the average of 80, 90, 100, 110, 120, 130:
A 100 **B** 105 **C** 110 **D** 115 **1 Mark**
- Q2.** When a dice is thrown, the total number of possible outcomes is:
A 6 **B** 1 **C** 3 **D** 4 **1 Mark**
- Q3.** A man drives his car to his office at the rate of $40 \frac{\text{km}}{\text{hour}}$ and returns along the same route at the rate of $60 \frac{\text{km}}{\text{hour}}$. his average speed in $\frac{\text{km}}{\text{hour}}$ for the entire round trip is:
A 45 **B** 48 **C** 50 **D** None of these **1 Mark**
- Q4.** The arithmetic mean of the first n odd numbers is:
A $\frac{n}{2}$ **B** $\frac{n}{3}$ **C** $\frac{n-1}{2}$ **D** $\frac{n+1}{2}$ **1 Mark**
- Q5.** The mean monthly salary of the 12 employees of a firm is Rs. 1450. If one more person joins the firm who gets Rs. 1645 per month, what will be the mean monthly salary of 13 employees?
A Rs. 1465 **B** Rs. 1954 **C** Rs. 2175 **D** Rs. 2569 **1 Mark**
- Q6.** Tell whether the following is certain to happen, impossible, can happen but not certain.
A die when tossed shall land up with 8 on top. **1 Mark**

Q7. Define the terms:

Statistics

Q8. There are 6 marbles in a box with numbers from 1 to 6 marked on each of them.

What is the probability of drawing a marble with number 5?

Observe the data and answer the questions that follow:

16, 15, 16, 16, 8, 15, 17

What is the least number of data values that must be put into change the mode to 17? Name them.

Q10. Define the terms:

Data

Q11. Tell whether the following is certain to happen, impossible, can happen but not certain.

You are older today than yesterday.

SECTION-B

Q12. Find the mode of the data:

27, 23, 39, 18, 27, 21, 27, 27, 40, 36, 27

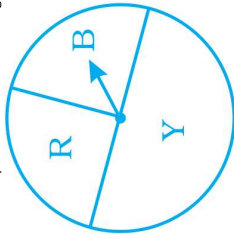
Q13. The marks in a subject for 12 students are as follows:

31, 37, 35, 38, 42, 23, 17, 18, 35, 25, 35, 29

For the given data, find the:

Median.

Q14. When a spinner with three colours given in figure is rotated, which colour has more chance to show up with arrow than the others?



Q15. A cricketer scores the following runs in eight innings:

58, 76, 40, 35, 46, 45, 0, 100.

Find the mean score.

- Q16.** What is the probability that a student chosen at random out of 3 girls and 4 boys is a boy? **2 Marks**
Q17. The mean of three numbers is 10. The mean of other four numbers is 12. Find the mean of all the numbers. **3 Marks**
Q18. A car seller collects the following data of cars sold in his shop. **3 Marks**

Colour of Car	Number of Cars Sold
Red	15
Black	20
White	17
Silver	12
Others	9

- Q18.** A car seller collects the following data of cars sold in his shop. **3 Marks**
- Which colour of the car is most liked?
 - Which measure of central tendency was used in (a)?
- Q19.** The marks (out of 100) obtained by a group of students in a science test are 85, 76, 90, 85, 39, 48, 56, 95, 81 and 75. Find the:
- Highest and the lowest marks obtained by the students.
 - Range of the marks obtained.
 - Mean marks obtained by the group.