

## BHARATH COACHING CENTRE

7<sup>th</sup> cbse

Maths

Total: 40

Data Handling

Time: 45 mins

### SECTION-A

$$1 \times 6 = 6$$

1. The mean of first five prime numbers are .....
2. The number of times a particular observation occurs is called as
3. ....is a measure of the central tendency of the group of data.
4. The arithmetic mean of five given numbers is 85. What is their sum?
5. The difference between the upper and the lower limit is called.....
6. ....helps to compare two collections of data at a glance.

### SECTION-B

$$5 \times 2 = 10$$

1. Find the mean of the 1<sup>st</sup> three composite numbers.
2. The maximum daily temperatures ( in  $^{\circ}\text{C}$ ) for the first week of a month in Delhi are 37,35,38,34,39,33,33. Calculate the range and median temperature of the week.
3. Find the mode and median 2,6,5,3,0,4,3,2,4,5,2,4.
4. The arithmetic mean of the numbers 4,9,3,2,  $x$ , 5,1 is 4. The value of  $x$  is
5. What is the mean of  $x$ ,  $x+3$ ,  $x+6$ ,  $x+9$ ,  $x+12$ .

### SECTION-C

$$4 \times 3 = 12$$

1. The mean of 6 numbers is 12. If 3 is subtracted from every number, then the new mean will be
2. The salary (per month) for a job is as follows:  
For the first 6 months= Rs.7500(per month)  
For the next 6 months=Rs.9000(per month)  
For the 2<sup>nd</sup> year=Rs.11000(per month)

After 2 years=Rs.14000(per month)

What is the average salary for one month in 3 years?

3. The number of five numbers is 27. If one of the numbers is excluded, the mean gets reduced by 2. What is the excluded number?
4. The average weight of a sample of 10 apples is 52 g. later it was found that the weighing machine had shown the weight of each apple 10g less. What is the correct average weight of an apple?

#### SECTION-D

$$3 \times 4 = 12$$

1. The heights of 10 girls were measured in cm and the results were as follows: 143,148,135,150,128,139,149,146,151,132.
  - a. What is the height of the tallest girl?
  - b. What is the range of the data?
  - c. What is the height of the shortest girl?
  - d. Find the mean height?
  - e. Find the number of girls whose height are less than the mean height?
2. The mean of 10 observations was calculated as 40. Upon rechecking it was detected that the value of 50 was wrongly considered as 10 what is the correct mean?
3. In a public library, the following observations were recorded by the librarian in a particular week:

days	mon	tue	wed	thur	fri	sat
Newspaper Readers	400	600	350	550	500	350
Magazine readers	150	100	200	300	250	200

- a. Draw a double bar graph choosing an appropriate scale.
- b. On which day, the number of readers in the library was maximum?
- c. What is the mean number of magazine readers?