Subject: - Mathematics

Topic: - Mean, Median & Mode

TEST PAPER

CBSE-7th

Time: - 60mins, M.M:-25

(SECTION A – 1 MARK)

1. The daily maximum temperature recorded in °C at Delhi during the first week of July, 2013 was as under: 39, 37, 38, 28, 30, 35, 36. Find the mean temperature recorded.

2. The median of the no. 85, 86, 78, 89 and 64 is?

a) 85   b) 84   c) 78   d) 86

3. The mean is one of the numbers in a data. True or False.

4. The value of the median changes if the value in a data set are arrange in ascending order instead of descending order. True or False.

5. Define array?

(SECTION B – 2 MARKS)

1. The mean age of 5 children in a family is 12 years. If four of them are respectively 6, 11, 13 and 16 years, find the age of fifth child?

2. Find the mode.

	2	3	4	5	6	7
ency	4	6	2	5	3	1

3. If the mean of $x, x + 2, x + 4, x + 6, x + 8$ is 24, find x.

(SECTION C – 3 MARKS)

1. A group of students was given a special test. The test was completed by various students in the following time (in minutes): 18, 20, 21, 23, 25, 25, 29, 31, 31, 37.

i) Find the mean time taken by the students to complete the test.

ii) How many students took more than the mean time to complete the test?

iii) If the student who took 37 minutes had taken only 23 minutes to complete the test, what would have been the mean time?

2. The mean of the following data is 20.6 Find the value of p.

X:	10	15	P	25	35
F:	3	10	25	7	5

(SECTION D – 4 MARKS)

1. The following table shows the weight of 12 players.

Weight (in kg):	48	50	52	54	58
No. of players:	4	3	2	2	1

i) Find the median and mean weights.

ii) Using empirical formula Calculate its mode.

2. The ages (in years) of 10 teachers in a school are: 34, 37, 53, 46, 52, 43, 31, 36, 40, 50. Find the median age.