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INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

MATHEMATICS

CLASS: IX

Sub. Code: 041

Time Allotted: 50 min

02.12.2018

Max. Marks: 20

GENERAL INSTRUCTIONS:

1. All questions are compulsory.
2. Questions 1 to 4 carry 2 marks each.
3. Questions 5 to 7 carry 4 marks each.

1. Find the class mark and class size of the class 360-380 2
2. Numbers 50, 42, 35, $2x + 10$, $2x - 8$, 12, 11, 8 are written in descending order and their median is 25. Find x . 2
3. The mean of 10 numbers was found to be 53. Later on, it was detected that a number 56 was misread as 65. Find the correct mean of the given numbers. 2
4. Find the mode of the following data :
19, 16, 19, 11, 19, 17, 16, 15, 19, 17, 17, 16, 15, 14, 15 2
5. Find the mean of the following distribution: 4

x:	10	12	20	25	35
f:	3	10	15	7	5
6. The marks obtained by 30 students of a class are given below; 4

370	175	378	375	315	300	325	275	241	288
290	170	405	261	350	402	380	178	253	428
318	410	380	240	210	175	200	250	380	320

- (i) Form the grouped frequency table for this data, taking the class width as 50 and one of the class interval as 350-400
 - (ii) How many students are having marks less than 350?
7. Draw a histogram for the marks of students given below: 4

Marks	0-10	10-30	30-45	45-50	50-60	60-70	70-80
No. of students	8	32	18	10	6	5	4

End of question paper