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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. If the median of data (arranged in ascending order) 31, 33, 35, x, x +10, 48, 48, 50 is 40, then find the value of x. 2

2. Find the class mark and class size of the class 130 - 150. 2

3. The mean of 10 observations is 80.5. But later on, it was discovered that 96 was misread as 69 at one place. Find the correct mean. 2

4. Find the mode of the following data :
41, 39, 48, 52, 46, 46, 40, 52, 48, 52, 40, 41, 42, 52, 46 2

5. Find the mean of the following distribution: 4

x:	10	30	50	70	89
f:	7	8	10	15	10

6. The weights in grams of 30 apples picked at random from a consignment are as follows: 4

131	133	144	135	150	149	164	168	154	150
141	136	123	167	154	180	135	141	137	165
140	120	140	131	177	184	176	166	131	137

- (i) Form the grouped frequency table for this data, taking the class width as 10 and one of the class interval as 140-150
- (ii) How many apples are of weight more than 160 grams?

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	6	8	6	12	9	10	4

End of question paper