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| Roll Number | | |
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B



INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

MATHEMATICS

CLASS: IX
02.12.2018

Sub. Code: 041

Time Allotted: 50 min
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 260-280. 2
2. 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
3. The mean of 40 numbers was found to be 35. Later on, it was detected that a number 56 was misread as 16. Find the correct mean of the given numbers. 2
4. Find the mode for the following data:
14, 22, 28, 26, 22, 26, 27, 28, 24, 25, 32, 22, 34, 22, 26 2
5. Find the mean of the following distribution: 4

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|----|---|----|----|----|----|
| x: | 5 | 10 | 15 | 20 | 25 |
| f: | 4 | 12 | 20 | 28 | 36 |

6. Given below are the heights (in cm) of 30 students of a class; 4

| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 174 | 159 | 158 | 165 | 173 | 166 | 162 | 165 | 149 | 170 |
| 120 | 169 | 161 | 179 | 151 | 140 | 158 | 160 | 152 | 161 |
| 130 | 163 | 156 | 136 | 179 | 147 | 166 | 171 | 135 | 159 |

- (i) Form the grouped frequency table for this data, taking the class width as 10 and one of the class interval as 160-170.
 - (ii) How many children are having height less than 150 cm?
7. Draw a histogram for the marks of students given below: 4

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|-----------------|------|-------|-------|-------|-------|-------|-------|
| Marks | 0-10 | 10-30 | 30-45 | 45-50 | 50-60 | 60-70 | 70-80 |
| No. of children | 3 | 8 | 9 | 12 | 9 | 10 | 4 |

End of question paper