| Roll Number | | |
|---|---|---|

A

# INDIAN SCHOOL MUSCAT
# THIRD PERIODIC ASSESSMENT

## MATHEMATICS

CLASS: IX | Sub. Code: 041 | Time Allotted: 50 mts.

08.01.2020 | Max. Marks: 20

***GENERAL INSTRUCTIONS:***

- All questions are compulsory.
- Questions **1** to **4** carry **TWO** marks each.
- Questions **5** to **7** carry **FOUR** marks each.

1. The L.S.A of a cube is 484 $cm^2$. Find the length of edge of the cube. **2**

2. The height and base radius of a right circular cylinder are 16cm and 14 cm respectively. Find the total surface area of the cylinder. **2**

3. Find the median and mode of the following data: **2**
   14, 25, 14, 28, 18, 17, 18, 14, 23, 22, 14, 18.

4. Find the mean of the following distribution: **2**

| x | 5 | 15 | 25 | 35 | 45 | 55 |
|---|---|---|---|---|---|---|
| f | 5 | 4 | 2 | 6 | 2 | 1 |

5. The length, breadth and height of a room are 6m, 4m and 3m respectively. If the room has an entrance door measuring 2.5m × 1.5m, find the cost of whitewashing the four walls at the rate of ₹20 per $m^2$. **4**

6. The data below shows the weight(in Kg) of 30 students in a class. Find the range of the data and construct a grouped frequency table by taking one of the class intervals as 55-60(60 not included) **4**
   55, 70, 57, 73, 55, 59, 64, 72, 60, 48, 58, 54, 69, 51, 63
   68, 72, 64, 65, 57, 71, 67, 74, 62, 49, 66, 62, 52, 61, 63.

7. The following table gives the performance of 100 students in a mathematics test out of 100 marks. **4**

| MARKS | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | Total |
|---|---|---|---|---|---|---|---|
| FREQUENCY | 10 | 15 | 30 | 15 | 25 | 5 | 100 |

   Draw a frequency polygon along with a histogram.

**End of the Question paper**

| Roll Number | | |
|---|---|---|

B

# INDIAN SCHOOL MUSCAT
# THIRD PERIODIC ASSESSMENT

## MATHEMATICS

CLASS: IX | Sub. Code: 041 | Time Allotted: 50 mts.

08.01.2020 | Max. Marks: 20

***GENERAL INSTRUCTIONS:***

- All questions are compulsory.
- Questions **1** to **4** carry **TWO** marks each.
- Questions **5** to **7** carry **FOUR** marks each.

1. The height and base radius of a right circular cylinder are 26cm and 14 cm respectively. Find the total surface area of the cylinder. **2**

2. The L.S.A of a cube is 576 $cm^2$. Find the length of edge of the cube. **2**

3. Find the median and mode of the following data: **2**
   14, 25, 14, 28, 18, 17, 18, 14, 23, 22, 14, 18.

4. Find the mean of the following distribution: **2**

| x | 5 | 10 | 15 | 20 | 25 | 30 |
|---|---|---|---|---|---|---|
| f | 5 | 4 | 2 | 6 | 1 | 2 |

5. The length, breadth and height of a room are 6m, 4m and 3m respectively. If the room has an entrance door measuring 2m × 1.75m, find the cost of whitewashing the four walls at the rate of ₹25 per $m^2$. **4**

6. The following table gives the performance of 100 students in a mathematics test out of 100 marks. **4**

| MARKS | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | Total |
|---|---|---|---|---|---|---|---|
| FREQUENCY | 10 | 15 | 30 | 15 | 25 | 5 | 100 |

   Draw a frequency polygon along with a histogram.

7. The data below shows the weight (in Kg) of 30 students in a class. Find the range of the data and construct a grouped frequency table by taking one of the class intervals as 55-60(60 not included) **4**
   55, 70, 57, 73, 55, 59, 64, 72, 60, 48, 58, 54, 69, 51, 46
   68, 72, 64, 65, 57, 71, 67, 74, 62, 49, 66, 62, 52, 61, 63.

**End of the Question paper**

| Roll Number | | |
|---|---|---|

C

# INDIAN SCHOOL MUSCAT
# THIRD PERIODIC ASSESSMENT

## MATHEMATICS

CLASS: IX | Sub. Code: 041 | Time Allotted: 50 mts.

08.01.2020 | Max. Marks: 20

***GENERAL INSTRUCTIONS:***

- All questions are compulsory.
- Questions **1** to **4** carry **TWO** marks each.
- Questions **5** to **7** carry **FOUR** marks each.

1. Find the median and mode of the following data: **2**
   14, 25, 14, 28, 18, 17, 18, 14, 23, 22, 14, 18.

2. The height and base radius of a right circular cylinder are 16cm and 14 cm respectively. Find the total surface area of the cylinder. **2**

3. The L.S.A of a cube is 484 $cm^2$. Find the length of edge of the cube. **2**

4. Find the mean of the following distribution: **2**

| x | 5 | 15 | 25 | 35 | 45 | 55 |
|---|---|---|---|---|---|---|
| f | 5 | 4 | 2 | 6 | 2 | 1 |

5. The data below shows the weight(in Kg) of 30 students in a class. Find the range of the data and construct a grouped frequency table by taking one of the class intervals as 55-60(60 not included) **4**
   55, 70, 57, 73, 55, 59, 64, 72, 60, 51, 58, 54, 73, 51, 63
   68, 72, 64, 65, 57, 71, 67, 74, 62, 49, 66, 62, 52, 61, 63.

6. The length, breadth and height of a room are 6m, 4m and 3m respectively. If the room has an entrance door measuring 2.5m × 1.5m, find the cost of whitewashing the four walls at the rate of ₹20 per $m^2$. **4**

7. The following table gives the performance of 100 students in a mathematics test out of 100 marks. **4**

| MARKS | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | Total |
|---|---|---|---|---|---|---|---|
| FREQUENCY | 10 | 15 | 30 | 15 | 25 | 5 | 100 |

   Draw a frequency polygon along with a histogram.

**End of the Question paper**