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**INDIAN SCHOOL MUSCAT  
MIDDLE SECTION  
FINAL EXAMINATION 2017-18**



**SUBJECT - MATHEMATICS**

Code: MXM03060813

CLASS: 06

Time Allotted: 2 ½ Hrs.

11.03.2018

Max .Marks: 80

**General Instructions :**

1. The question paper comprises of four Sections A, B, C and D. You have to attempt all the sections.
2. All questions are compulsory.
3. All answers should be written in the answer sheet provided.

**SECTION A**

Qns	Marks
1. Write the opposite of (- 7 + 16 )	1
2. Rohan is 'x' years old. Shyam is 15 years older to Rohan. What is Shyam's age?	1
3. Write the place value of 5 in 63.059	1
4. Write the ratio of 24 meters to 44 meters in the simplest form.	1
5. Find the product of $5698 \times 25 \times 4$ by using suitable property.	1
6. The perimeter of a triangle is 22 cm. Two of its sides are 9 cm and 10 cm . What is the length of the third side?	1

**SECTION B**

7. Determine if the following ratios form a proportion. 16, 24, 20, 30	2
8. Find the distance covered by Rahul if he takes four rounds of a rectangular park whose length is 25m and breadth is 15m.	2
9. Construct $\angle PQR = 130^\circ$ using protractor and bisect it using ruler and compass.	2
10. Add the following using number line: $5 - 4 - (- 3)$	2
11. Write the two equivalent fractions of $\frac{5}{8}$	2
12. A die was thrown 25 times and the results are given below 5,4,3,2,4,6,4,5,1,3,4,5,3,4,6,5,1,2,3,5,6,4,3,2,1. Prepare a frequency distribution table for the data	2

### SECTION C

13. Find the least number which when divided by 16, 24, 40 leaves a remainder 5 in each case. 3
14. Draw  $\overline{XY}$  the perpendicular bisector of  $\overline{AB}$  whose length is 6.7 cm 3
15. Arrange in descending order:  $\frac{4}{6}$  ;  $\frac{5}{8}$  ;  $\frac{7}{12}$  ;  $\frac{3}{4}$  3
16. Check if  $y = (-5)$  is a solution of the equation  $y + 25 = 30$ . 3
17. State the property used in the following : 3  
 a)  $15 + 17 = 17 + 15$                       b)  $23 \times (4 \times 12) = (23 \times 4) \times 12$                       c)  $15 + 6 = 21$  3
18. Arrange and Add : 0.76, 25, 86.941 3
19. The length and breadth of a tile are 10 cm and 12 cm. How many tiles will be required to cover a floor of a room whose length and breadth are 4 m and 3m ? 3
20. A motor bike covers 320 km in 8 hours. How much distance it can cover in 12 hours 3
21. Simplify :  $(-16) + 18 - (20) + 25$  3
22. The below pictograph shows the sale of books on different days of a week. 3

- Answer the following questions
- a) On which day was the maximum number of sale of books?
- b) What was the number of books sold on Wednesday?
- c) What was the total number of books sold in the week?

Days	Number of books  = 4 books
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	

### SECTION D

23. A Taxi driver earns Rs845.65, Rs485.30, Rs679.35 and Rs489.70 in 4 days. He spends Rs460.40 for petrol. How much amount is left with him? 4
24. Construct of measure  $\angle XYZ = 90^\circ$  using ruler and compasses 4
25. Give expressions for the following: 4  
 a) 10 added to nine times x                      b) Half of a number subtracted from 5
- c) The quotient of twice of a number and 7      d) The product of p and 3 added to 4
26. Which is greater?  $(-80) + 92 - (-47)$  or  $(-50) - 123 + 97$  4
27. During a Cultural Fiesta, out of 40 students in a class, 12 are participating in Classical Dance, 15 in English Debate and the rest in Singing competition. Find the ratio of the number of students participating in 4  
 a) Classical Dance to English Debate      b) Classical Dance to Singing

c) English Debate to Total number      d) Total number to Classical Dance

28. The side of a square room is 9 meters. There is a rectangular carpet with length 4.5 m and breadth 4 m placed at the centre of the room. Find the area of the room not carpeted? 4
29. a) How many whole numbers are there between 28 and 67? 4  
b) Identify the property:  $5634 + 0 = 0 + 5634 = 5634$   
c) What is the successor of 10099?
30. A survey of 50 students was done to find which activity they prefer to do in their free time. 4

Preferred Activity	Number of students
Playing	15
Listening to Music	5
Painting	10
Reading story books	20

Draw a bar graph to illustrate the data by taking the scale of 1 unit length = 5 students.