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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
ANNUAL EXAMINATION 2018-19**



SUBJECT - MATHEMATICS

Code: MXM03

CLASS: VI
06.03.2019

Time Allotted: 2 ½ Hrs.
Max .Marks: 80

General Instructions

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

SECTION A

Qns.	Marks
1(a) What is the place value of 8 in 123.758?	1
1(b) Write all the integers between – 3 and 2.	1
1(c) Find the solution of the equation $x - 4 = 6$	1
1(d) Find the side of the square whose perimeter is 48 cm.	1
1(e) Write the ratio of 4 m to 45 cm in the simplest form.	1
1(f) Identify the property $32 \times 45 = 45 \times 32$	1

SECTION B

2	Simplify the fraction $\frac{75}{120}$	2
3	Add the following using number line : $3 + (-8)$	2
4.	Find the cost of tiling a rectangular plot of land of length 15 m and breadth 4 m at the rate of ₹ 25 per sq. m?	2
5.	Draw $\angle XYZ = 80^\circ$ using protractor and construct its bisector using ruler and compass.	2
6.	Determine if 32, 48, 140, 210 are in proportion.	2
7.	The number of pencils with students in a class of 20 are as follows 1, 2, 3, 1, 2, 2, 3, 4, 1, 2, 1, 1, 2, 3, 3, 3, 1, 2, 1, 1 Make a frequency distribution table using tally marks.	2

SECTION C

8. Simplify: $1\frac{9}{20} + 2\frac{7}{10} - 1\frac{1}{15}$ 3
9. Subtract 526 g from 8 kg 70 g 3
10. Sam read 30 pages of a book containing 120 pages. Tony read $\frac{5}{6}$ of the same book. Who read more and by what fraction? 3
11. Pick out the solution from the values given in the bracket next to the equation. Show that the other values do not satisfy the equation. $2x - 3 = 7$ (2, 3, 5) 3
12. Simplify: $(-27) + 64 + 32 + (-17)$ 3
13. How many square tiles of side 5 cm are required to cover a rectangular region measuring 55 cm and 25 cm? 3
14. Construct an angle of measure 120° using ruler and compass. 3
15. Divide ₹ 2800 between Anil and Sunil in the ratio 3:4. 3
16. The following pictograph shows the number of computers sold by a dealer in five months of a particular year 3

Months	Number of computers  = 5 computers
January	    
February	     
March	  
April	   
May	    

Answer the following questions:

- a) Which month shows the maximum sales of computers? How many?
- b) How many computers were sold in March?
- c) What is the total number of computers sold in the five months?
17. Four friends went for a picnic. Each one brought a pizza for ₹ 50 and a soft drink for ₹ 30. How much did they spend in all? 3

SECTION D

18. Kareena covered a distance of 15 km 612 m. She travelled 7 km 80 m by bus and rest by car. How much distance did she travel by car? 4
19. a) Arrange the integers – 6, 0, – 7, 3, – 10, 4 in ascending order. 4
b) Find the sum of – 350, 50 and – 450
c) Subtract – 456 from 56
20. The present age of Sunita is y years. 4
a) What was her age 4 years ago?
b) Sunitha's brother is 2 years elder to him. What is his age?
c) Sunitha's father is 7 years more than three times Sunitha's age. What is her father's age?
d) Sunitha's grandfather is six times Sunitha's age. What is her grandfather's age?
21. Piyush runs around a square park of side 85 m. Riya runs around a rectangular park of length 60 m and breadth 45 m. Who covers more distance and by how much? 4
22. Construct a line segment AB of length 5.6 cm and DC length 3.4 cm. Using compass, Construct another line segment PQ such that $PQ = 2AB - DC$ 4
23. A car travels 180 km in 4 hours. 4
a) How far will it travel in 7 hours?
b) How long will it take to travel 450 km at this speed?
24. The following table shows the favourite game of 300 students of a school. 4

Game	Swimming	Badminton	Football	Tennis	Cricket	Chess
Number of students	15	75	50	35	85	40

Draw a bar graph to illustrate the above data.

25. Find the value of the following by suitable rearrangement: 4
a) $25 \times 316 \times 400$
b) $1962 + 353 + 538 + 647$

End of the question paper.