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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
ANNUAL EXAMINATION 2019 – 20
SUBJECT – MATHEMATICS – SET A**



Code: MXM13

Time Allotted: 2 ½ hrs.

Max .Marks: 80

CLASS 6

05. 03. 2020

General Instructions.

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

Q.NO1	<u>SECTION 'A' – ('1' MARK EACH) – TOTAL – 20 MARKS</u>	Marks
(a)	The successor of 2 09 999 is _a) 2 10 000 b) 2 09 910 c) 2 09 100 d) 2 09 998	1
(b)	The decimal for 157 thousandths is ____ a) 1.57 b) 15.7 c) 0.157 d) 0.0157	1
(c)	The perimeter of a regular hexagon is 48cm. The length of each of its side is ____cm a) 42 b) 8 c) 288 d) 54	1
(d)	The ratio of 15cm to 20cm is _____ a) 3 : 4 b) 4 : 3 c) 5 : 4 d) 3 : 5	1
(e)	23 Kg 25 g = _____ Kg a) 23.250 b) 23.025 c) 23.205 d) 2.3025	1
(f)	The product 4 x 278 x 25 = _____	1
(g)	The expression for the statement “15 subtracted from ‘m’ “ is _____	1
(h)	The mixed fraction for $2\frac{5}{7}$ is _____	1
(i)	Of the 2 integers (– 19) and (– 91) _____ lies on the left.	1
(j)	The area of a square of each side 9 cm is _____	1
(k)	Radha is ‘y’ years old now. Her age after 8 years will be ____ years.	1
(l)	The length of rope required to fence a park 10 m long and 8 m wide is _____	1
(m)	What fraction of a litre is 700ml?	1
(n)	The additive inverse of (– 47) is _____.	1

(o)	Out of 40 students in a class, 25 students are boys. The ratio of number of boys to the total number of students is _____.	1
(p)	In the given data of marks scored by 15 students which is as follows: 10, 9, 9, 8, 5, 7, 7, 9, 9, 10, 8, 8, 9, 6, 6, the frequency of '9' is ____.	1
(q)	Fill in the blanks: $\frac{28}{35} = \frac{4}{\quad} = \frac{\quad}{45}$	1
(r)	$(-31) + (-10) = \underline{\quad}$	1
(s)	$5 : 10 :: 4 : 8$ is _____ [True or False]	1
(t)	For a pictograph on flowers, if one symbol of $\Delta = 5$ flowers, then _____ symbols will represent 100 flowers.	1

Q.NO	<u>SECTION 'B' – ('2' MARKS EACH) – TOTAL – 12 MARKS</u>	Marks
(2)	Add using number line: $(-7) + (-5)$	2
(3)	The cost of a chair is Rs 'c' and the cost of a table is Rs 't'. Express the total cost of 6 chairs and 10 tables algebraically.	2
(4)	A table cloth 9m long and 7m wide has to be stitched with 2 rounds of border. Find the length of the border required.	2
(5)	Construct angle $ABC = 120^\circ$ (using ruler and compasses)	2
(6)	Armaan divides Rs1200 as gift for his two children in the ratio 5 : 3. Find the amount each one gets.	2
(7)	The number of children in 25 families of a colony is as given below: 2, 1, 2, 4, 2, 1, 3, 3, 1, 4, 2, 3, 4, 3, 1, 1, 1, 2, 2, 2, 2, 2, 1, 4, 4 Make a table and enter the data using tally marks.	2

Q.NO	<u>SECTION 'C' – ('3' MARKS EACH) – TOTAL – 24 MARKS</u>	Marks
(8)	Find using Distributive Property: $175 \times 28 + 175 \times 71 + 175$	3
(9)	Find: a) $2\frac{3}{4} + \frac{7}{8}$ b) $6 - 1\frac{1}{3}$	3

- (10) (a) Find: $(-48) + 119$ (b) Subtract (-59) from (-99) 3
- (11) Ankita bought 5Kg 75g of fruits, 3Kg 475g of vegetables and some pulses. If the total weight of the things she bought is 10Kg, find the weight of pulses. Express your answer in decimals. 3
- (12) "The sum of Twice a number 'x' and 9 is 19". Write an equation for the given statement and check if 'x' = 6 is the solution for that equation. 3
- (13) A granite tile measures 12cm long and 10cm wide. How many tiles will be required to cover a floor 4m long and 3m broad? 3
- (14) Draw Seg. AB = 9cm and construct its perpendicular bisector. 3
- (15) Shanta bought 72Kg of wheat for Rs324. How much wheat can she buy for Rs144? 3

Q.NO **SECTION 'D' – ('4' MARKS EACH) – TOTAL – 24 MARKS** Marks

- (16) Simplify: $(-500) - (-380) + (-222) + 620$ 4
- (17) a) Add using suitable rearrangement: $501 + 388 + 499 + 112$ 4
b) Find the product using suitable rearrangement: $16 \times 4 \times 5 \times 25$
- (18) A square plot of each side 10m has a pool 8m long and 7m wide in it. 4
a. Find the area of the remaining plot.
b. Find the cost of tiling the remaining area at the rate of Rs20 per sq. m.
- (19) Amit earns Rs40 000 a month. He spends Rs8 000 on rent, Rs15 000 on food and Rs6 000 on other expenses. Find the following ratios: 4
a. Amt. spent on food to Amt. spent on rent
b. His income to the Amt. spent on other expenses
c. His income to his savings
- (20) Draw Seg. PQ = 5cm and Seg. RS = 4.5cm. Construct Seg. MN = 2PQ - RS 4
- (21) The following table shows the number of pastries sold by a bakery during the 7 days of a particular week: 4

Day	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
No. of Pastries sold	80	65	70	50	60	90	100

Represent the above information by a bar-graph, taking scale of 1 unit = 10 pastries.

End of the question paper.