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



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 predecessor 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 248 hundredths is _____ a) 0.248 b) 2.48 c) 24.8 d) 0.0248	1
(c)	The ratio of 15cm to 20cm is _____ a) 3 : 4 b) 4 : 3 c) 5 : 4 d) 3 : 5	1
(d)	23 Kg 25 g = _____ Kg a) 23.250 b) 23.025 c) 23.205 d) 2.3025	1
(e)	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
(f)	The expression for the statement “ ‘m’ subtracted from 15” is _____	1
(g)	What fraction of a litre is 700ml?	1
(h)	The additive inverse of (– 47) is _____.	1
(i)	The product 4 x 278 x 25 = _____	1
(j)	(– 13) + (– 10) = _____	1
(k)	The mixed fraction for $2\frac{5}{7}$ is _____	1
(l)	Of the 2 integers (– 19) and (– 91) _____ lies on the right.	1
(m)	Radha is ‘y’ years old now. Her age after 8 years will be ____ years.	1
(n)	The perimeter of a square of each side 9 cm is _____	1

- (o) $5 : 10 :: 4 : 8$ is _____ [True or False] 1
- (p) The length of rope required to fence a park 10 m long and 8 m wide is _____ 1
- (q) 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
- (r) For a pictograph on flowers, if one symbol of $\Delta = 5$ flowers, then _____ symbols will represent 100 flowers. 1
- (s) Fill in the blanks: $\frac{28}{35} = \frac{4}{\quad} = \frac{\quad}{45}$ 1
- (t) 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.NO SECTION 'B' – ('2' MARKS EACH) – TOTAL – 12 MARKS Marks

- (2) Add using number line: $(-5) + (+7)$ 2
- (3) The cost of a note book is Rs 'n' and the cost of a pen is Rs 'p'. Express the total cost of 10 note books and 15 pens algebraically. 2
- (4) Construct angle $ABC = 90^\circ$ 2
- (5) A table cloth 9m long and 7m wide has to be stitched with 3 rounds of border. Find the length of the border required. 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
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 SECTION 'C' – ('3' MARKS EACH) – TOTAL – 24 MARKS Marks

- (8) Find using Distributive Property: $375 \times 38 + 375 \times 61 + 375$ 3
- (9) 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
- (10) Find: a) $2\frac{3}{4} + \frac{7}{8}$ b) $6 - 1\frac{1}{3}$ 3

- (11) "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
- (12) (a) Find: $(-48) + 119$ (b) Subtract (-59) from (-99) 3
- (13) A granite tile measures 20cm long and 10cm wide. How many tiles will be required to cover a floor 5m long and 4m 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) 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.
- (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) Simplify: $(-500) - (-380) + (-222) + 620$ 4
- (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 rent to Amt. spent on food
 b. Amt. spent on other expenses to his income
 c. His savings to his income
- (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.