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**INDIAN SCHOOL MUSCAT
MIDDLE SECTION
FINAL EXAMINATION 2019-20
MATHEMATICS (SET – A)
ANSWER KEY**



Code: MWM10
Time Allotted: 2 ½ hrs
Max .Marks: 80

CLASS 5
02.03.2020

General Instructions.

1. The question paper comprises of three 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.NO.1	<u>SECTION 'A'-('1' MARK EACH) – TOTAL – 20 MARKS</u>	Marks	
	MCQ		
(a)	0.06 × 5 = _____ a) 30 b) 0.03 c) 0.30 d) 0.003	1	
(b)	5 ÷ $\frac{10}{9}$ = _____ a) $\frac{50}{9}$ b) $\frac{9}{2}$ c) $\frac{2}{9}$ d) $5\frac{1}{9}$	1	
(c)	Write as decimal $\frac{686}{100}$ a) 6.86 b) 68.6 c) 0.686 d) 686.0	1	
(d)	Volume of a cube whose edge is 3cm. a) 27cu.cm b) 12cu.cm c) 9cu.cm d) 6cu.cm	1	
(e)	Side of a square whose perimeter is 64 cm is: a) 4cm b) 8cm c) 12cm d) 16cm	1	
	FILL IN THE BLANKS		
(f)	5.9 km = <u>5900 m</u>	1	
(g)	$\frac{5}{3}$ of 90 = <u>150</u>	1	
(h)	3.5 ÷ 1000 = <u>0.0035</u>	1	
(i)	125 sec = <u>2 min 5 sec</u>	1	
(j)	Side of a square whose area is 25 cm ² is <u>5cm</u>	1	
	MATCH THE COLUMNS		
(k)	6.38 L	(iii) 6380 ml	1
(l)	Sum of $\frac{2}{3} + \frac{1}{6}$	(iv) $\frac{5}{6}$	1
(m)	2 h 20 min after 10:30 p.m.	(v) 12:50 a.m.	1
(n)	Product of 1.2 × 30	(i) 36	1
(o)	Perimeter of a square with side 7cm	(ii) 28 cm	1

WRITE 'TRUE' OR 'FALSE'			
(p)	Reciprocal of $2\frac{1}{5}$ is $\frac{11}{5}$.	False	1
(q)	6556 g = 65.56 kg	False	1
(r)	$2\frac{1}{2}$ hours = 150 min	True	1
(s)	5 m 45 cm = 5.45 cm	True	1
(t)	Area of a rectangle with l = 10 cm and b = 4 cm is 14 cm.	False	1

Q.NO.	<u>SECTION 'B'-('2' MARKS EACH) – TOTAL – 12 MARKS</u>	Marks
(2)	Add: $2\frac{3}{4} + \frac{1}{2} = \frac{11}{4} + \frac{1}{2} = \frac{11}{4} + \frac{2}{4}$ $= \frac{13}{4} = 3\frac{1}{4}$	$\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$
(3)	Find the product in Kgs: $325g \times 12$ $\begin{array}{r} 325 \\ \times 12 \\ \hline 650 \\ 3250 \\ \hline 3900 \end{array}$ 3900 g = 3.900 Kg	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$
(4)	Write the expanded form of 35.809 = 30 + 5 + 0.8 + 0.009	$\frac{1}{2} \times 4$
(5)	Find the area of a rectangular lawn which is 12 cm long and 10 cm wide. Area = l × b = 12 cm × 10 cm = 120 sq.cm.	1 + 1
(6)	A man started work at 10.50 a.m. and completed it at 12.30 p.m. How long did it take? Duration = 1 hour 40 minutes	1 + 1
(7)	Sidak wants to paste a ribbon around a square painting with each side as 25 cm. What length of a ribbon is required for it? Length of a ribbon = Perimeter of the painting = 4 × side = 4 × 25 cm = 100 cm	1 1

Q.NO.	<u>SECTION 'C'-('3' MARKS EACH) – TOTAL – 24 MARKS</u>	Marks
(8)	Multiply: $1\frac{1}{6} \times \frac{4}{7} = \frac{7}{6} \times \frac{4}{7}$ $= \frac{2}{3}$	1 + 1 1
(9)	Subtract 0.987 from 9.87 $\begin{array}{r} 9.870 \\ - 0.987 \\ \hline 8.883 \end{array}$	1 2

(10)	Add: 10 years 6 months + 2 years 8 months $\begin{array}{r} 10 \text{ years } 06 \text{ months} \\ + 2 \text{ years } 08 \text{ months} \\ \hline 12 \text{ years } 14 \text{ months} \end{array}$ Ans = 13 years 2 months	1 1 1
(11)	Arrange in descending order: $\frac{3}{4}, \frac{1}{6}, \frac{5}{12}$ LCM = 12 $\frac{3}{4} \times \frac{3}{3} = \frac{9}{12}, \frac{1}{6} \times \frac{2}{2} = \frac{2}{12}, \frac{5}{12}$ Ans: $\frac{9}{12} > \frac{5}{12} > \frac{2}{12}$ or $\frac{3}{4} > \frac{5}{12} > \frac{1}{6}$	$\frac{1}{2}$ 1 1
(12)	An empty cubical carton is of side 5 cm. Can we fit 100, 1 cm cubes in it? Volume of cubical carton = 5 cm × 5 cm × 5 cm = 125 cu.cm Volume of 100, 1cm cubes = 100 × 1 cm × 1 cm × 1 cm = 100 cu.cm Yes	1 1 $\frac{1}{2}$
(13)	Sam had ₹ 500 with him. He bought a book for ₹325.50. How much money is left with him? $\begin{array}{r} \text{Total money with Sam} = 500.00 \\ \text{Cost of a book} = \underline{325.50} \\ \hline \text{Remaining money with Sam} = \text{₹ } 174.50 \end{array}$	1 1 1
(14)	Find the cost of tiling a room which is 3.50 m long and 2 m wide if the cost of tiling is ₹150 per sq. m.? Area of room = 3.50 m × 2 m = 7 sq. m Cost of tiling = ₹150 × 7 = ₹1,050	$1 \frac{1}{2}$ $1 \frac{1}{2}$
(15)	Mr Johnson bought 5.35 kg of potatoes and 3 kg 675 g of onions. How much vegetables did he buy? Give answer in kgs. $\begin{array}{r} 5 \text{ kg } 350 \text{ g} \\ + 3 \text{ kg } 675 \text{ g} \\ \hline 9 \text{ kg } 025 \text{ g} \\ = \text{9.025 kg} \end{array}$	$\frac{1}{2}$ $\frac{1}{2}$ 1 1

Q.NO.	<u>SECTION 'D'-('4' MARKS EACH) – TOTAL – 24 MARKS</u>	Marks
(16)	(a) Divide: $1\frac{1}{5} \div 1\frac{2}{15}$ $\frac{6}{5} \div \frac{17}{15} = \frac{6}{5} \times \frac{15}{17} = \frac{18}{17} = 1\frac{1}{17} \quad (1 + 1 + 1)$ (b) Which is greater 8.909 OR 18.099 18.099 > 8.909 (1)	3 1
(17)	Subtract: 5 hours 40 minutes – 3 hours 45 minutes $\begin{array}{r} 5 \text{ hours } 40 \text{ minutes} \\ - 3 \text{ hours } 45 \text{ minutes} \\ \hline 4 \text{ hours } 100 \text{ minutes} \\ - 3 \text{ hours } 45 \text{ minutes} \\ \hline 1 \text{ hour } 55 \text{ minutes} \end{array}$	1 1 1 1
(18)	A bus covers a distance of 93.36 km in 3 hours. How much distance will it cover in 5 hours? In 1 hour = $93.36 \div 3 = \text{31.12 km}$	2

	In 5 hours = $31.12 \times 5 = \mathbf{155.60 \text{ km}}$	2
(19)	<p>An electrician bought 39 m 24 cm of wire. He used 18 m 19 cm in one house and 9 m 10 cm in another house. What was the length of the wire left with him?</p> $\begin{array}{r} 18 \text{ m } 19 \text{ cm} \\ + 9 \text{ m } 10 \text{ cm} \\ \hline \end{array}$ <p>Total wire used = 27 m 29 cm</p> $\begin{array}{r} 39 \text{ m } 24 \text{ cm} \\ - 27 \text{ m } 29 \text{ cm} \\ \hline \end{array}$ <p>Length of the wire left = 11 m 95 cm</p>	2 2
(20)	<p>A doctor asked a patient to take 5ml of a medicine 3 times a day for 5 days. How much medicine will he drink?</p> <p>Medicine taken in 1 day = $5 \text{ ml} \times 3 = \mathbf{15 \text{ ml}}$</p> <p>Medicine taken in 5 days = $15 \text{ ml} \times 5 = \mathbf{75 \text{ ml}}$</p>	2 2
(21)	<p>There is a flower bed which is 80 cm long, 40 cm wide and 1 m deep in Shivani's garden. Find the volume of the soil the gardener dug out to make the flower bed.</p> <p>Depth (height) = 1 m = 100 cm</p> <p>Volume of flower bed = $l \times b \times h$</p> $= 80 \text{ cm} \times 40 \text{ cm} \times 100 \text{ cm}$ $= \mathbf{3,20,000 \text{ cu cm}}$	1 1 1 1

End of the question paper.