



<b>NAME</b>		<b>ROLL NO</b>	
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	<b>INDIAN SCHOOL MUSCAT MIDDLE SECTION FIRST PERIODIC TEST 2022 – 23</b>	
	<b>MATHEMATICS (SET-A)</b>	Code: <b>MYM05</b>
CLASS 7	<b>ANSWER KEY</b>	Time Allotted: 40 Minutes
25.05.2022		Max. Marks: 20

**General Instructions.**

1. The question paper comprises of **three sections A, B, and C**. 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	<b><u>SECTION A - FILL IN THE BLANKS ( '1' MARK EACH ) – TOTAL – 04 MARKS</u></b>	Marks
(a)	The product of $2 \times -9 \times -1$ is _____ Ans: 18	1
(b)	The standard form of $\frac{-12}{-60}$ is _____ Ans: $\frac{1}{5}$	1
(c)	Name the property: $(-8) + (-2) = (-2) + (-8) = (-10)$ Ans: Commutative property of addition of integers	1
(d)	The rational number equivalent to $\frac{5}{9}$ with numerator as (-45) is _____ Ans: $\frac{-45}{-81}$	1

Q.NO2	<b><u>SECTION B – ( '2' MARKS EACH ) – TOTAL – 10 MARKS</u></b>	Marks
(a)	Represent $\frac{-7}{3}$ on a number line. Drawing number line; marking 0 => 1 mark Marking correct number => 1 mark	2

(b)	The sum of two integers is -70. If one of the integer is -25, find the other integer?  Ans: $(-70) - (-25) \Rightarrow 0.5$ marks $= -70 + 25 \Rightarrow 0.5$ marks $= -45 \Rightarrow 1$ mark	2
(c)	List any two rational numbers between $\frac{-4}{5}$ and $\frac{-2}{3}$  $\frac{-4}{5}$ and $\frac{-2}{3}$ LCM = 15  $\frac{-4 \times 3}{5 \times 3}; \frac{-2 \times 5}{3 \times 5}$ $= \frac{-12}{15}; \frac{-10}{15} \Rightarrow 1$ mark  $= \frac{-120}{150}; \frac{-100}{150}$ Any 2 rational numbers $\Rightarrow 1$ mark	2
(d)	Which is greater? $\{(-6 \times -5) + 12 - 7\}$ or $\{(-440) \div (-22)\}$  Ans: $\{(-6 \times -5) + 12 - 7\} = \{30 + 12 - 7\} = 35 \Rightarrow 1$ mark $\{(-440) \div (-22)\} = 20 \Rightarrow 0.5$ marks $\{(-6 \times -5) + 12 - 7\}$ is greater. $\Rightarrow 0.5$ marks	2
(e)	Evaluate using suitable property: $(-25) \times (-24) \times (-4)$ Ans: $(-25) \times (-24) \times (-4) = (-24) \times (-25) \times (-4) \Rightarrow 1$ mark $= (-24) \times 100 \Rightarrow 0.5$ marks $= -2400 \Rightarrow 0.5$ marks	2

Q.NO	<b><u>SECTION – C ('3' MARKS EACH) – TOTAL – 06 MARKS</u></b>	Marks
3.	Arrange $\frac{-11}{5}; \frac{-3}{20}; \frac{7}{-15}; \frac{-2}{5}$ in ascending order:  Ans: $\frac{-11}{5}; \frac{-3}{20}; \frac{-7}{15}; \frac{-2}{5}$ LCM = 60 $\frac{-132}{60}; \frac{-9}{60}; \frac{-28}{60}; \frac{-24}{60} \Rightarrow (0.5 \text{ marks each}) 2$ marks	3

	$\frac{-132}{60}, \frac{-28}{60}, \frac{-24}{60}, \frac{-9}{60}$ $\frac{-11}{5} < \frac{7}{-15} < \frac{-2}{5} < \frac{-3}{20} \Rightarrow 1 \text{ mark}$	
4.	<p>Simplify using the suitable property: <math>(-7354) \times 14 + 85 \times (-7354) + (-7354)</math>  Ans: <math>(-7354) \times 14 + 85 \times (-7354) + (-7354) \times 1 \Rightarrow 0.5 \text{ mark}</math>  <math>= (-7354) \times (14 + 85 + 1) \Rightarrow 1 \text{ mark}</math>  <math>= (-7354) \times 100 \Rightarrow 1 \text{ mark}</math>  <math>= -735400 \Rightarrow 0.5 \text{ mark}</math></p>	3

**End of paper.**