



<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- B)</b>	Code: <b>MYM05</b>
CLASS 7		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 standard form of $\frac{18}{-72}$ is _____ Ans: $\frac{18}{-72} = -\frac{1}{4}$	1
(b)	The product of $2 \times -7 \times 5$ is _____ Ans: - 70	1
(c)	Name the property: $(-8) + (-2) = (-10)$ Ans: Closure property of addition of integers.	1
(d)	The rational number equivalent to $\frac{-5}{9}$ with denominator as 45 is _____ Ans: $\frac{-25}{45}$	1

Q.NO2	<b><u>SECTION B – ( '2' MARKS EACH ) – TOTAL – 10 MARKS</u></b>	Marks
(a)	Represent $\frac{-6}{5}$ 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)	<p>List any two rational numbers between <math>\frac{-4}{5}</math> and <math>\frac{-2}{3}</math></p> <p><math>\frac{-4}{5}</math> and <math>\frac{-2}{3}</math> LCM = 15</p> <p><math>\frac{-4 \times 3}{5 \times 3}</math> ; <math>\frac{-2 \times 5}{3 \times 5}</math></p> <p>= <math>\frac{-12}{15}</math> ; <math>\frac{-10}{15}</math> =&gt; 1 mark</p> <p>= <math>\frac{-120}{150}</math> ; <math>\frac{-100}{150}</math></p> <p>Any 2 rational numbers =&gt; 1 mark</p>	2
(d)	<p>Which is greater? <math>\{(-6 \times -5) + 12 - 7\}</math> or <math>\{(-440) \div (-22)\}</math></p> <p>Ans: <math>\{(-6 \times -5) + 12 - 7\} = \{30 + 12 - 7\} = 35</math> =&gt; 1 mark</p> <p><math>\{(-440) \div (-22)\} = 20</math> =&gt; 0.5 marks</p> <p><math>\{(-6 \times -5) + 12 - 7\}</math> is greater. =&gt; 0.5 marks</p>	2
(e)	<p>Evaluate using suitable property: <math>(-25) \times (-24) \times (-4)</math></p> <p>Ans: <math>(-25) \times (-24) \times (-4) = (-24) \times (-25) \times (-4)</math> =&gt; 1 mark</p> <p>= <math>(-24) \times 100</math> =&gt; 0.5 marks</p> <p>= <math>-2400</math> =&gt; 0.5 marks</p>	2

Q.NO	<b><u>SECTION – C ('3' MARKS EACH) – TOTAL – 06 MARKS</u></b>	Marks
3.	<p>Arrange <math>\frac{-11}{5}</math> ; <math>\frac{-3}{20}</math> ; <math>\frac{7}{-15}</math> ; <math>\frac{-2}{5}</math> in ascending order:</p> <p>Ans: <math>\frac{-11}{5}</math> ; <math>\frac{-3}{20}</math> ; <math>\frac{-7}{15}</math> ; <math>\frac{-2}{5}</math></p> <p>LCM = 60</p> <p><math>\frac{-132}{60}</math> ; <math>\frac{-9}{60}</math> ; <math>\frac{-28}{60}</math> ; <math>\frac{-24}{60}</math> =&gt; (0.5 marks each) 2 marks</p> <p><math>\frac{-132}{60}</math> ; <math>\frac{-28}{60}</math> ; <math>\frac{-24}{60}</math> ; <math>\frac{-9}{60}</math></p> <p><math>\frac{-11}{5} &lt; \frac{7}{-15} &lt; \frac{-2}{5} &lt; \frac{-3}{20}</math> =&gt; 1 mark</p>	3

4.	Simplify using the suitable property: $(-7354) \times 14 + 85 \times (-7354) + (-7354)$ Ans: $(-7354) \times 14 + 85 \times (-7354) + (-7354) \times 1 \Rightarrow 0.5$ mark $= (-7354) \times (14 + 85 + 1) \Rightarrow 1$ mark $= (-7354) \times 100 \Rightarrow 1$ mark $= -735400 \Rightarrow 0.5$ mark	3
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**End of question paper.**