



CLASS: VII
DATE:26/05/2024

MAX. MARKS: 20
TIME: 40 MINUTES

General Instructions:

1. This question paper contains four sections - A, B, C and D. Each section is compulsory.
However, there are internal choices in some questions.
2. Section A has 4 MCQs and 1 Assertion-Reason based question of 1 mark each.
3. Section B has 2 Very Short Answer (VSA)-type questions of 2 marks each.
4. Section C has 2 Short Answer (SA)-type questions of 3 marks each.
5. Section D has 1 Long Answer (LA)-type question of 5 marks.

SECTION – A [This section comprises of multiple-choice questions (MCQ) of 1 mark each]	
1.	The value of $0 \div (-16)$ is: (a) (-16) (b) 0 (c) Not defined (d) 1
2.	Which pair of integers gives the sum 23? (a) $[0, (-23)]$ (b) $[24, (-1)]$ (c) $[20, (-3)]$ (d) $[(-10), 13]$
3.	What is the value of $\frac{1}{3} \times 15$? (a) 5 (b) 3 (c) 12 (d) 18
4.	What is the reciprocal of $\frac{8}{5}$? (a) $\frac{1}{5}$ (b) $\frac{8}{1}$ (c) $\frac{8}{5}$ (d) $\frac{5}{8}$
5.	A statement of assertion is followed by a statement of reason. Choose the correct option. Assertion (A): Closure property under addition and subtraction states that the sum or difference of any two integers will always be an integer. Reason (R): $[3 + (-5)] + 4 = 3 + [(-5) + 4]$ (a) Both Assertion and Reason are true, but Reason is the correct explanation of Assertion . (b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion . (c) Assertion is true but Reason is false. (d) Assertion is false but Reason is true.
SECTION – B [This section comprises of very short answer type questions (VSA) of 2 marks each]	
6.	Find the value of $2\frac{3}{8} \div \frac{5}{4}$

7.	<p>The rainfall in a city on Friday is recorded as 20 mm and on Saturday it is $\frac{3}{5}$ of the rainfall on Friday.</p> <p>Find the rainfall recorded on Saturday.</p> <p style="text-align: center;">OR</p> <p>Find the value of the following:</p> <p>(i) $\frac{3}{8} \times \frac{4}{15}$ (ii) $\frac{1}{5}$ of $1\frac{3}{5}$</p>
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<p>SECTION – C</p> <p>[This section comprises of short answer type questions (SA) of 3 marks each]</p>

8.	<p>Which is smaller?</p> <p>$(\frac{2}{5}$ of $\frac{5}{6})$ or $(\frac{5}{7} \div 25)$</p>
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9.	<p>Find the value of $4 \times (-3)$ using number line.</p> <p style="text-align: center;">OR</p> <p>Verify the following statement.</p> <p>$(-11) \times [(-5) + 3] = [(-11) \times (-5)] + [(-11) \times 3]$</p>
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<p>SECTION – D</p> <p>[This section comprises of long answer type question (LA) of 5 marks]</p>
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10.	<p>In a quiz, Team I scored +5 marks in four successive rounds and (-2) marks in next two rounds.</p> <p>Team II scored (-2) marks in three successive rounds and +5 marks in next three rounds.</p> <p>(i) What is the score of Team I in the first four successive rounds? [5 Marks]</p> <p>(ii) What is the score of Team II in the first three successive rounds?</p> <p>(iii) What is the total score of Team I?</p> <p>(iv) What is the total score of Team II?</p> <p>(v) Which team won the quiz?</p> <p style="text-align: center;">OR</p> <p>(i) Name the property used in the following statements. [3 Marks]</p> <p>(a) $(-8) \times 7 = 7 \times (-8)$</p> <p>(b) $17 + (-18) = -1$</p> <p>(c) $[(-50) \times 7] \times (-2) = (-50) \times [7 \times (-2)]$</p> <p>(ii) Find the value of the following. [2 Marks]</p> <p>(a) $(-24) \div (-8)$</p> <p>(b) $13 \times (-9) \times 2$</p>
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5. Section D has 1 Long Answer (LA)-type question of 5 marks.

SECTION – A

[This section comprises of multiple-choice questions (MCQ) of 1 mark each]

1.	The value of $0 \div (-23)$ is: (a) (-23) (b) 0 (c) Not defined (d) 1
2.	Which pair of integers gives the sum 17? (a) $[0, (-23)]$ (b) $[24, (-1)]$ (c) $[20, (-3)]$ (d) $[(-10), 13]$
3.	What is the value of $\frac{1}{5} \times 20$? (a) 5 (b) 4 (c) 20 (d) 15
4.	What is the reciprocal of $\frac{7}{9}$? (a) $\frac{1}{9}$ (b) $\frac{7}{1}$ (c) $\frac{7}{9}$ (d) $\frac{9}{7}$
5.	A statement of assertion is followed by a statement of reason. Choose the correct option. Assertion (A): Closure property under addition and subtraction states that the sum or difference of any two integers will always be an integer. Reason (R): $[4 + (-6)] + 5 = 4 + [(-6) + 5]$ (a) Both Assertion and Reason are true, but Reason is the correct explanation of Assertion . (b) Both Assertion and Reason are true, but Reason is not the correct explanation of Assertion . (c) Assertion is true but Reason is false. (d) Assertion is false but Reason is true.

SECTION – B

[This section comprises of very short answer type questions (VSA) of 2 marks each]

6.	Find the value of $2\frac{1}{6} \div \frac{5}{3}$
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7.	<p>The snowfall in a city on Friday is recorded as 30 cm and on Saturday it is $\frac{2}{5}$ of the snowfall on Friday. Find the snowfall recorded on Saturday.</p> <p style="text-align: center;">OR</p> <p>Find the value of the following:</p> <p>(i) $\frac{5}{4} \times \frac{2}{25}$ (ii) $\frac{1}{7}$ of $1\frac{2}{7}$</p>
<p>SECTION – C [This section comprises of short answer type questions (SA) of 3 marks each]</p>	
8.	<p>Which is greater? $(\frac{3}{5}$ of $\frac{5}{9})$ or $(\frac{6}{7} \div 30)$</p>
9.	<p>Find the value of $4 \times (-2)$ using number line.</p> <p style="text-align: center;">OR</p> <p>Verify the following statement. $(-11) \times [(-7) + 5] = [(-11) \times (-7)] + [(-11) \times 5]$</p>
<p>SECTION – D [This section comprises of long answer type question (LA) of 5 marks]</p>	
10.	<p>In a quiz, Team A scored +5 marks in three successive rounds and (-2) marks in next three rounds. Team B scored (-2) marks in four successive rounds and +5 marks in next two rounds.</p> <p>(i) What is the score of Team A in the first three successive rounds? [5 Marks]</p> <p>(ii) What is the score of Team B in the first four successive rounds?</p> <p>(iii) What is the total score of Team A?</p> <p>(iv) What is the total score of Team B?</p> <p>(v) Which team won the quiz?</p> <p style="text-align: center;">OR</p> <p>(i) Name the property used in the following statements. [3 Marks]</p> <p>(a) $(-9) \times 4 = 4 \times (-9)$</p> <p>(b) $(-16) + (15) = -1$</p> <p>(c) $[(-22) \times 3] \times (-3) = (-22) \times [3 \times (-3)]$</p> <p>(ii) Find the value of the following. [2 Marks]</p> <p>(a) $(-27) \div (-9)$</p> <p>(b) $14 \times (-8) \times 2$</p>