Class VII **No. of pages 6**

Mid Term Examination 2025– 26

Subject: Mathematics

Set C2

Time allowed :2.5 hours **Maximum Marks: 60**

GENERAL INSTRUCTIONS:

Read the following instructions carefully and follow them:

(i) This question paper contains **16** questions. All questions are compulsory.

(ii) Question paper is divided into **FIVE** sections–**Section A, B, C, D** and **E**.

(iii) In **section A** – question number **1** has 12 multiple choice questions (MCQs) of **1** Mark each.

(iv) In **section B** – question number **2** to **7** are Objective type questions of **2** marks each.

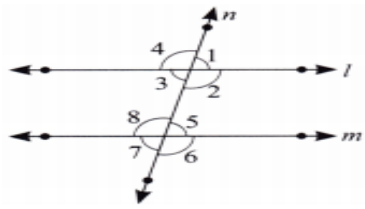
(v) In **section C** – question number **8** to **10** are Short Answer (SA) type questions carrying **3** marks each.

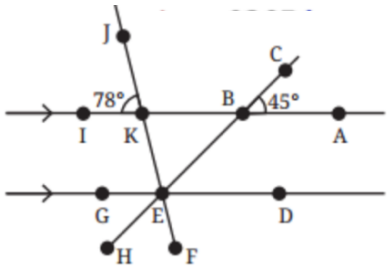
(vi) In **section D** – question number **11** to **13** are Long Answer (LA) type questions carrying **5** marks each.

(vii) In **section E** – question number **14** to **16** are **source based/case study** questions carrying **4** marks each. Internal choice is provided in **2** marks question in each **source based/case study question**.

(viii) There is no overall choice. However, an internal choice has been provided in 1 question in Section **B**, 2 questions in Section **C** and 2 questions in Section **D.**

	SECTION-A **Question 1 consists of Multiple - Choice questions (i -xii) of 1 mark each.**	
Q. No. C1		**Marks**
1.(i)	The difference between two numbers is 6. If one of them is (-13),which of these could be the other number ? -7 -19 19 (a) only (i) and (ii) (b) -19 (c) 0 (d) number itself	**1**
(ii)	p and t are two integers such that $(-p) \times (-t) < 0$. Which of the following is true ? (a) both $p > 0$ and $t > 0$ (b) either $p < 0$ or $t < 0$ (c) both $p < 0$ and $t < 0$ (d) product of $(-p)$ and $(-t)$ can never be less than zero	**1**
(iii)	The value of $(0.0005) \times (0.5)$ is (a) 0.00025 (b) 25 (c)0.25 (d) 0.0025	**1**

(iv)	The average of 0.3, 3 ,0.03 and 0.002 is (a) 0.833 (b)0.803 (c)83.3 (d)833	**1**
(v)	(5672 – 2345) estimated to the nearest hundreds is (a) 3000 (b) 3400 (c) 2000 (d) 1000	**1**
(vi)	How many thousands make a million? (a) 10 (b) 100 (c) 1000 (d) 10000	**1**
(vii)	Which expression correctly compares as greater: 10 + 2 or 7 + 1? (a) 10 + 2 < 7 + 1 (b) 10 + 2 > 7 + 1 (c) 10 + 2 = 7 + 1 (d) Cannot be determined	**1**
(viii)	(What is the total cost if 4 dosas at ₹23 each and a ₹5 tip is given? (a) 97 (b) 92 (c) 100 (d) 88	**1**
(ix)	What is the simplified form of 500 – (250 – 100)? (a) 500 – 250 – 100 (b) 500 – 150 (c) 500 – 250 + 100 (d) 500 + 250 – 100	**1**
(x)	If two lines are parallel , then they (a) intersect at a right angle . (b) intersect at any angle (c)never intersect (d) always form an angle of 180°	**1**
(xi)	In the following figure, which pair of angles are not corresponding angles?  (a) ∠1, ∠5 (b) ∠2, ∠6 (c) ∠3, ∠7 (d) ∠3, ∠5	**1**
(xii)	Rohan has Rs.480 in his saving account .He plans to use it as follows : $\frac{3}{8}$ goes into her savings account $\frac{2}{5}$ is for new clothes $\frac{1}{12}$ is for school The rest is for entertainment How much does he spend on clothes ? (a) Rs.190 (b) Rs. 192 (c) Rs.200 (d) Rs.240	**1**

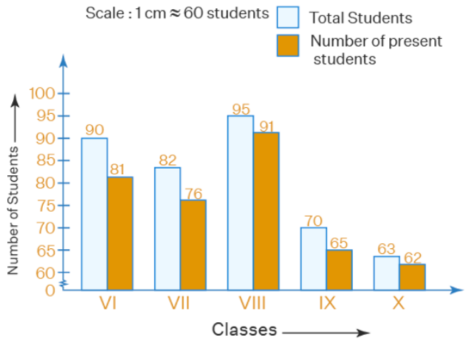
	SECTION–B **Q2 to Q7 is Objective type questions of 2 marks each.**	
2.	Use the sign of >, < or = in the box to make the statements true. 39 + (–24) – (15) [ ] 36 + (–52) – (– 36)	**2**
3.	Which is greater ? $\frac{2}{7}$ of $\frac{3}{4}$ or $\frac{3}{5}$ of $\frac{5}{8}$	**2**
4.	The enrolment in a school during six consecutive years was as follows 1555, 1670, 1750, 2013, 2540, 2820. Find the mean enrolment of the school for this period..	**2**
5.	Write nearest thousand and nearest lakh of 3,87,69,957. OR Using all digits from 0-9 exactly once (the first cannot be 0) to create a 10-digit number, write the (a) Largest multiple of 5 (b) Smallest even number	**2**
6.	Write a story/situation for the following expressions and find their values. $4 \times 9 + 2 \times 6$	**2**
7.	A car runs 16 km using 1 litre of petrol. How far will it go using $2\frac{3}{4}$ litres of petrol?	**2**
	SECTION–C **Q8 to Q10 is short answer type questions of 3 marks each.**	
8.	In Figure, ∠ABC = 45° and ∠IKJ = 78°. Find angles ∠GEH, ∠HEF, ∠FED.  	**3**
9.	If $\frac{1}{4}$ of flour is used to make 12 rotis, how much flour is used to make 6 rotis?	**3**
10.	Write the expression describing the situation, identify its terms, and find the value of the expression. Queen Alia gave 100 gold coins to Princess Elsa and 100 gold coins to	**3**

	Princess Anna last year. Princess Elsa used the coins to start a business and doubled her coins. Princess Anna bought jewellery and has only half of the coins left. How many gold coins Princess Elsa and Princess Anna together have. OR Find two different ways of evaluating the following expressions: 1 – 2 + 3 – 4 + 5 – 6 + 7 – 8 + 9 – 10.	
	SECTION–D **Q11 to Q13 is Long Answer type questions of 5 marks each.**	
11.	The weights (in kg) of 15 students of a class are: 38, 42, 35, 37, 45, 50, 32, 43, 43, 40, 36, 38, 43, 38, 47 (i) Find the mode and median of this data. (ii) Is there more than one mode?	**5**
12.	If a = −35, b = 10 and c = −5, verify that: a × (b + c) = a × b + a × c	**5**
13.	Bald eagles are known to fly as high as 4500 – 6000 m above the ground level. Mount Everest is about 8850 m high. Aeroplanes can fly as high as 10,000 – 12,800 m. How many times bigger are these heights compared to Somu's building which is 44 m tall ? OR A bar-tailed godwit holds the record for the longest recorded non-stop flight. It travelled 13,560 km from Alaska to Australia without stopping. Its journey started on 13 October 2022 and continued for about 11 days. Find out the approximate distance it covered every day. Find out the approximate distance it covered every hour	**5**

SECTION– E

Q14 to Q16 is Case study-based questions of 4 marks each.

14. Observe the following data:



(a) What do you infer from the bar graph? 1

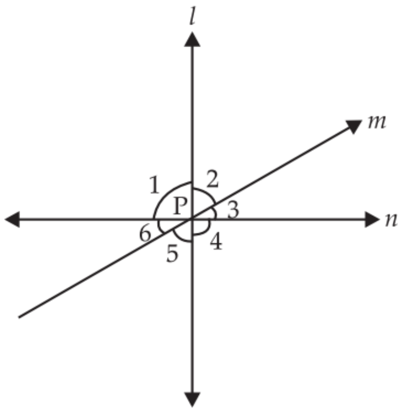
(b) Which class has the maximum number of students? 1

(c) In which class, the difference of total students and number of students present is minimum? 2

OR

In which class, the difference of total students and number of students present is maximum?

15. Three lines shown in the figures intersect each other at point P.
Line l is perpendicular to line n.
The measure of ∠2 is 65°.



Q1. Name a pair of vertically opposite angles . 1

Q2. What is the measure of ∠6 +∠5 ? 1

Q3. What is the sum of the measure of ∠2, ∠3 and ∠4? 2

OR

What is the measure of ∠6?

16. **Aaron's pet tortoise walks only ¼ km in 1 hour.**

	 **One day, Aaron recorded its movement to calculate how far it could go in fractional hours. He noted:** • **In 3 hours: ¼ × 3 = ?** • **In ½ hour: ½ × ¼ = ?** • **In ¾ hour: ¾ × ¼ = ?** **Q1. What distance does the tortoise walk in 3 hours?** **Q2. What is the result of ½ × ¼?** **Q3. The tortoise walks ¾ km in 3 hours. What is its speed per hour?** **OR** **The tortoise walks ¾ km in 3 hours. What is the total distance travelled in 24 hours ?**	1 1 2