O.P. JINDAL SCHOOL, SAVITRI NAGAR

Half Yearly Exam 2026 – 27

Class: VII / _____ **MM : 50**

Subject: Mathematics **Time : 2 Hrs.**

General Instructions: All questions are compulsory.

i. ***Section A*** consists of 10 questions and each question carry ***1 mark***.
ii. ***Section B*** consists of 5 questions and each question carry ***2 marks***.
iii. ***Section C*** consists of 6 questions and each question carry ***3 marks***.
iv. ***Section D*** consists of 2 questions and each question carry ***4 marks***.
v. ***Section E*** consists of 1 case-study based questions and carry ***4 marks***.

(Section-A)

Multiple choice questions:

Q1. Abhinav says that the product of two 2-digit numbers is always a 4-digit number. Bhuvan says that the product of two 2-digit numbers can be a 5-digit and also a 6-digit number. Which one of them is correct?

a) Both are correct.
b) Only Abhinav is correct.
c) Only Bhuvan is correct.
d) Both are incorrect.

Q2. The *Tedious Tens* is a special calculator having only a +10 button. How many times should we press this button to show the 180?

a) 10 b) 180 c) 18 d) 9

Q3. $27 \times 18 - 9 \times 18 = (_____ - _____) \times 18$

a) 27, 18 b) 27, 9 c) 18, 9 d) 9, 18

Q4. $81 \div _____ = 3 \times 3$

a) 9 b) 1 c) 81 d) none of these

Q5. Which of the following statements is true about parallel lines?

a) They always meet at one common point.
b) They never meet, however far they are extended in either direction.
c) They form an angle of 90° with each other.
d) They intersect at exactly two points.

Q6. $(8 + 11) - 3 _____ 8 + (11 - 3)$

a) < b) > c) = d) none of these

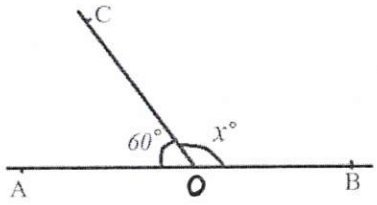
Q7. Next term of the sequence 12.45, 11.95, 11.45, _____.

a) 11.95 b) 12.95 c) 10.95 d) 9.95

Q8. How many thousandths make one tenth?

a) 10 b) 100 c) 1000 d) 10000

Q9. In the given figure, AOB is a straight line. $\angle AOC = 60°$ and $\angle BOC = x°$.



a) 120° b) 60° c) 180° d) 360°

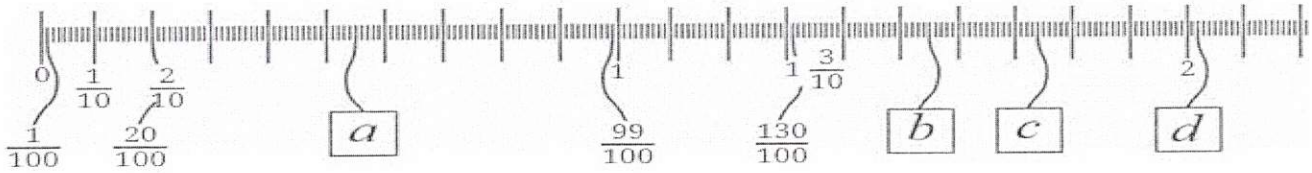
Q10. **Assertion(A):** 0.2, 0.20, and 0.200 represent entirely different mathematical quantities.

Reason (R): Adding zeros to the rightmost end of a decimal number does not change its value.

a) Both A and R are true and R is the correct explanation of A.
b) Both A and R are true and R is not the correct explanation of A.
c) A is true but R is false.
d) A is false but R is true

(Section – B)

Q11. Fill the lengths (in fractions) of *a, b, c and d* in empty boxes.



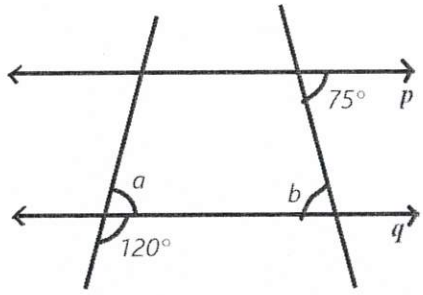
OR

A watermelon weighs 5.014 kg. Smita used 2.457 kg of this watermelon to make juice, find the weight of the remaining part of the watermelon.

Q12. Construct a line parallel to a given line AB at a distance of 5 cm from it.

Q13. Evaluate: $53 \times 4 + 15 - 6 \times 7$

Q14. Find the value of *a* and *b when* $p \parallel q$.



Q15. Write the numeral for each of the following numbers given in words.

a) Seven lakh fifty-two thousand six hundred one.
b) Nineteen crore forty lakh five hundred thirty-six.
c) Eighty million six hundred twelve thousand three hundred seventy-two.
d) Four hundred seventeen thousand two hundred five.

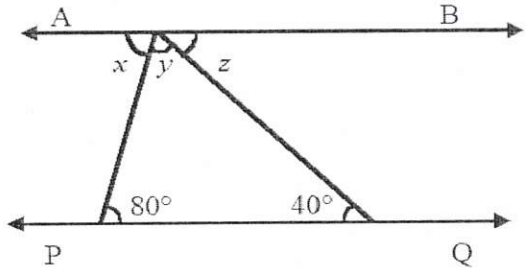
OR

In each of the following numbers, insert commas to separate the periods according to the Hindu-Arabic number system. Also write each numbers in words according to Hindu-Arabic number system.

a) 70007707
b) 2360960

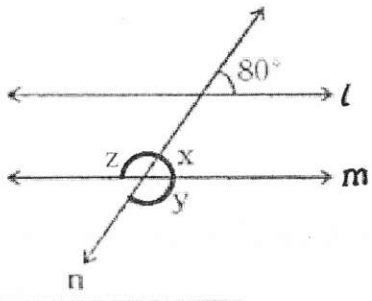
(Section – C)

Q16. In the given figure, AB || PQ. Determine the values of x, y and z.



OR

In the given figure $l \parallel m$ and n is a transversal which intersect line l and m in two different points, then find the value of x, y and z.



Q17. Convert as directed:

a) _____ mm = 206.3 cm.
b) 0.56 kg = _____ g.
c) Rs. 0.05 = _____ paise.

Q18. In the given set of expressions, identify those that have the same value without evaluating them and write the expressions having same values.

87 + 46 – 109; 87– 46 + 109; 87+ 46 – 109;

87– 46 +109; 87– (46 + 109); (87– 46) +109

Q19. Write the three nearest neighbours (nearest ten thousand, nearest lakh, nearest ten crore) for the number 34,21,74,086..

Q20. The district market in Raipur operates on all seven days of a week. Rupesh supplies 11 kg of guavas each day from his orchard and Kamlesh supplies 9 kg of guavas each day from his orchard to this market. Write an appropriate expression and find the amount of guavas supplied by them in a week to the local district market.

Q21. Ram supplied 4.7 L, 6.83 L, 3.49 L, 2.91 L and 3.76 L of milk to a milk dairy in the first five days. If he supplied 25 L of milk to the milk dairy in 6 days. Find the quantity of milk supplied to the dairy by Ram on the 6^{th} day.

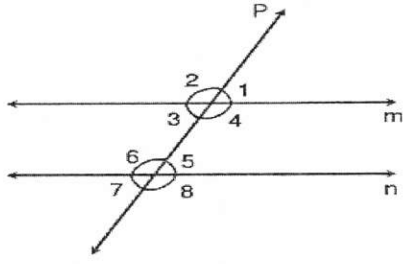
OR

Mark each fractional length on the same number line(scale).

a) $\frac{45}{100}$ b) $\frac{5}{10}$ c) $\frac{5}{10}\ \frac{4}{100}$

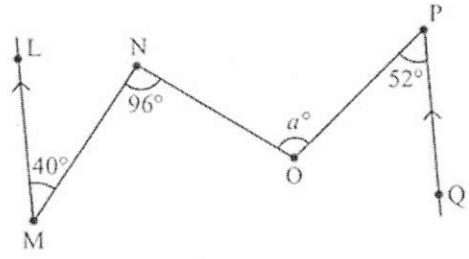
(Section – D)

Q22. In the given figure, $m \parallel n$ and p is transversal. If $\angle 1 = 64°$, then find the values of $\angle 2$, $\angle 3$, $\angle 6$ and $\angle 5$ by using and writing suitable properties.



OR

What is the measure of angle $\angle a$ in the given figure.



Q23. Solve:

a) $7\frac{5}{10}\ \frac{4}{100} + 12\frac{8}{10}\ \frac{8}{100}$

b) $24\ \frac{4}{10}\ \frac{3}{100} - 15\frac{7}{10}\ \frac{9}{100}$

(Section – E)

Q24. Given below is a table showing the populations of some Indian states in the years 2011 and 2001.

State	Population (2011)	Population (2001)
Andhra Pradesh	8,46,65,533	7,62,10,007
Assam	3,11,69,272	2,66,55,528
Jharkhand	3,29,66,238	2,69,45,829
Karnataka	6,11,30,704	5,28,50,562
Kerala	3,33,87,677	3,18,41,374
Maharashtra	11,23,72,972	9,68,78,627
Nagaland	19,80,602	19,90,036
Rajasthan	6,86,21,012	5,65,07,188
Uttar Pradesh	19,95,81,477	16,61,97,921
West Bengal	9,13,47,736	8,01,76,197

Using the information given in the table, answer the following questions.

a) What was the population of Assam in 2011?

b) The population of which state in 2011 is closest to 3 crore?

c) Find the difference between the populations of Maharashtra in 2011 and 2001.

d) Find the sum of populations in 2011 of Kerala and Andhra Pradesh.

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