



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
टर्म-I परीक्षा/Term-I Examination 2025-26

कक्षा/Class: VII

अवधि/Duration: 3 Hrs.

विषय/Subject: Mathematics

अधिकतम अंक/M. Marks: 80

सामान्य निर्देश/General Instructions:

1. This question paper contains five sections namely A, B, C, D and E.
2. Each of the 20 questions in Section A carries one mark.
3. Section B contains 5 two-marks questions.
4. Section C contains 6 three-marks question.
5. Section D contains 4 five-marks questions.
6. Section E contains 3 Case Study based questions each with 2 one mark questions and 1 two marks question.

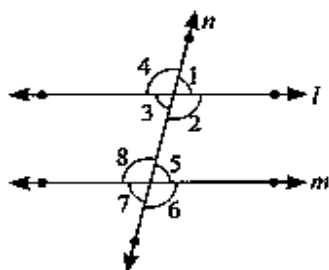
SECTION A

(1 X 20 = 20)

Choose the correct options to answer the following questions.

1. Which of the following is equal to 1 billion?
a) 10 lakhs b) 10 crore c) 10,000 lakhs d) 1 million
2. Which of these will 5672 – 2345 estimated to the nearest hundreds be?
a) 3000 b) 3300 c) 2000 d) 1000
3. Which of these is the numeral for ‘Five crore five lakh six thousand seventy’?
a) 5,50,06,070 b) 55,06,700 c) 5,05,06,070 d) 50570600
4. 75000 is less than a lakh by _____.
a) 250000 b) 2500 c) 25000 d) 250
5. What is the value of the expression $100 - (15 + 56)$?
a) 29 b) 71 c) 141 d) 85
6. What is the value of $1 - 2 + 3 - 4 + 5 - 6 + 7 - 8 + 9 - 10$?
a) 0 b) 5 c) -5 d) 10

7. What is the decimal representation of 23 tens?
- a) 2.3 b) 230.0 c) 23.0 d) 0.23
8. Which expression means “5 times a number u ”?
- a) $5u$ b) $u + 5$ c) $5 - u$ d) $u \div 5$
9. What are two lines that never meet called ?
- a) intersecting lines b) parallel lines c) perpendicular lines d) skewed lines
10. What is the sum of the angles in a linear pair?
- a) 90° b) 180° c) 120° d) 360°
11. What kind of angles do perpendicular lines make with each other ?
- a) corresponding angles b) acute angles c) right angles d) obtuse angles
12. In the following figure, which pair of angles are not corresponding angles?



- a) $\angle 1, \angle 5$ b) $\angle 2, \angle 6$ c) $\angle 3, \angle 7$ d) $\angle 3, \angle 5$
13. If the length of each side of a regular hexagon is x metres, then the perimeter of given hexagon is
- a) $(x + 6)$ metres b) $(x + 6)$ metres
c) $(x - 6)$ metres d) $(6 \times x)$ metres
14. Which of these decimals is equal to 7 ones and 5 hundredths?
- a) 7.05 b) 7.5 c) 75 d) 0.75
15. What is 254 g in kilograms?
- a) 0.254 kg b) 25.4 c) 2.54 kg d) 0.0254 kg
16. $10 \text{ g} = \underline{\hspace{1cm}} \text{ kg}$
- a) 0.1 b) 0.01 c) 0.001 d) 1
17. Which of these is the simplified form of $p + p + p + q$?
- a) $p + 3q$ b) $3q + p$ c) $3p + q$ d) $4pq$
18. Which of the following statements is correct?
- a) The sum of any two odd numbers is always odd.
b) The sum of any two odd numbers is always even.
c) The sum of any two odd numbers is always divisible by 3.
d) The sum of any two odd numbers is always prime.

In the given question 19 & 20, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option.

19. Assertion (A): Aditi's present age is x years. If 5 years ago her age was 10 years, then x represents '15'.

Reason (R): We can express the given situation in form of expression as, $x - 5 = 15$.

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

20. Assertion (A): If a transversal cuts two lines and the corresponding angles are equal, then the lines are parallel.

Reason (R): When two lines intersect each other, the vertically opposite angles formed are equal.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but 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

(2 x 5 = 10)

21. Arrange the following decimals in the ascending and descending order.

22.02 2.022 2.202 22.20

22. Write algebraic expressions for the following.

- (i) two more than five times a number
- (ii) 5 subtracted from the sum of a number and 6

23. Add : $7a - 14b + 3$ and $6b - 4a - 2$

24. Complete the pattern using correct decimals.

8.4 , 8.35 , _____ , _____, 8.2 , 8.15, _____ , _____

25. Write the following fractions into decimal form:

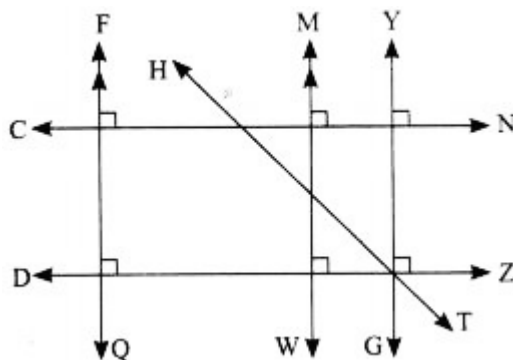
- a) $\frac{3}{4}$
- b) $\frac{4}{5}$

SECTION C

(3 x 6 = 18)

26. Malika spends ₹25 every day on lunch at school. Write an expression to calculate her total expenditure on lunch from Monday to Friday. Also find the value of the expression.

27. Identify the given pair of lines as either parallel, perpendicular, or intersecting.



- (a) Lines FQ and HT are _____ lines.
- (b) Lines FQ and MW are _____ lines.
- (c) Lines CN and FQ are _____ lines.
- (d) Lines DZ and YG are _____ lines.
- (e) Lines CN and YG are _____ lines.
- (f) Lines HT and MW are _____ lines

28. Given $53 \times 18 = 954$, find out 63×18 .

29. Simplify each of the following expressions

- (i) $4(3r + 4s - 5)$
- (ii) $30 + 5(13 + 8)$

30. What will be the sum of $6\frac{4}{10} - \frac{8}{100}$ and $14\frac{5}{10} - \frac{3}{100}$?

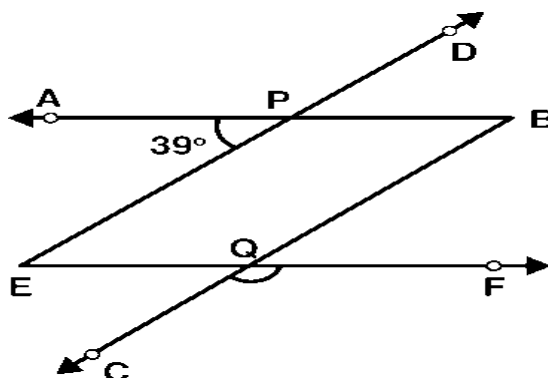
31. Simplify the following.

- a) $72 \times 9 \div 3 - 150$
- b) $2 + 3 \times 8 \div 4 - 5$

SECTION D

(4 X 5=20)

32. In the figure, $AB \parallel EF$, $ED \parallel CB$ and $\angle APE = 39^\circ$. Find the measures of $\angle ABQ$, $\angle EQB$, $\angle FQC$, $\angle DPB$ and $\angle PEF$.



33. The length of a rectangle is $(2x + 3)$ cm and the breadth is $(x + 5)$ cm.
- Write an expression for the perimeter of the rectangle.
 - If $x = 4$ cm, find its perimeter.
 - If $x = 5$ cm, Find its area.
34. (i) Write the formula for the n^{th} even number and the formula for n^{th} Odd number.
- (ii) What is the 100^{th} even number and the 100^{th} Odd number.
- (iii) Find the difference between the 100^{th} Even number and 100^{th} Odd number.
35. A college canteen collected Rs. 256.75 on Sunday, Rs. 345.25 on the Monday and Rs. 289.50 on Tuesday. The canteen works on all the seven days of the week.
- On which day is the collection the highest ?
 - What is the total collection in all the three days ?
 - If the total collection over the week was Rs. 2000 what was the sum of the amounts collected on Wednesday, Thursday, Friday and Saturday ?

SECTION E

(4 x 3 = 12)

36. The population of a city was 3,10,350 more than ten lakhs in 2020. The population increased by 2,50,300 in the next three years. However, it decreased by three hundred thousand in the next two years.
- Write the numeral for the population of the city in 2020 in the Indian system. (1)
 - Write the numeral for the population of the city in 2025 in the Indian system . (1)
 - Write the number name for the population of the city in 2023 in the American system. (2)
37. Rohan was measuring the length of the parts of his toy using a ruler. He noticed that the two screws in it looked similar but were slightly different in length - one was 2.7 cm long while the other was 3.2 cm.
- Answer the following questions on the basis of the above passage.
- What is the total length of both the screws ? (1)
 - Write the length of both the screws in mm. (1)
 - Which screw is longer and by how much ? (2)

38. A local train from Yahapur to Vahapur stops at three stops at three stations at equal distances along the way. The time taken in minutes to travel from one station to the next station is the same and is denoted by t . The train stops for 2 minutes at each of the three stations.

- (i) How much is the total time spent in stopping at the three stations ? (1)
- (ii) What is the algebraic expression for the time taken to travel from Yahapur to Vahapur? (2)
- (iii) If $t = 4$, what is the time taken to travel from Yahapur to Vahapur (1)
