45-A

SUMMATIVE ASSESSMENT - I - 2017-2018
MATHEMATICS PAPER

(English Medium)

PART - A & B

Class : VII   (Max. Marks : 80)   Time : 2.45 Hrs.

Instructions :

1. **15 Minutes are allotted for reading the question paper (Part A &B) in addition to 2.30 hours for writing the answers.**
2. **Part - A answers should be written in a separate answer book.**
3. **There are three Sections in Part - A.**
4. **Answer all the questions.**
5. **Every answer should be visible and legible.**
6. **There is internal choice in Section - III.**
7. **Part-A & B should be given at the beginning of the exam only.**

Marks : 60   **PART-A**

Section - I

Note: 1. Answer all the Questions.

2. Each Question carries 2 Marks   4 × 2 = 8

1. Sekhar walks 1.5 meters in 1 Second. What distance can he walk in 15 minutes?

2. Verify the following.

   $9 \times [7 + (-3)] = [9 \times 7] + [9 \times (-3)]$

3. Express the followimg in kilogrames

   (i) 190 grams   (ii) 247 grams

4. The angles of a triangle are in the ratio 1 : 2 : 3. Find the angles
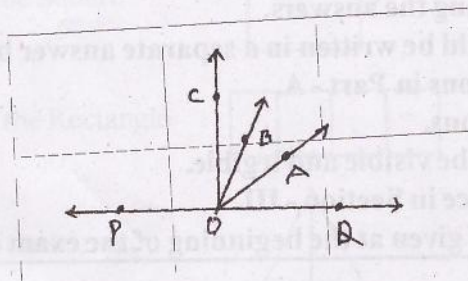
Section - II

Note: 1. Answer all the Questions.

2. Each Question carries 4 Marks   5 × 4 = 20

5. Length of a rectangle exceeds its breadth by 4m. If the perimeter of the rectangle is 84m, find its length and breadth.

1

6. Total number of the boys and girls in a class is 52. If the number of girls is 10 more than that of boys, find the number of boys?

7. Solve the following equation by transposing the terms and check the result

$$3(x-3) = 5(2x+1)$$

8. In the following fiqure, write acute, right and straight angles?

9. Expand the following with their place value

   i) 45.5   ii) 4.56   iii) 403.21   iv) 4.5

Section - III

Note: 1. Answer all the Questions.

      2. Each Question has internal choice

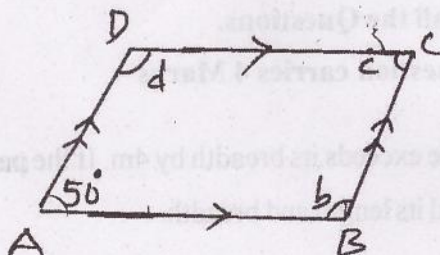   **3. Each Question carries 8 Marks**   **4 × 8 = 32**

10. a) The present age of Ramu's father is three times that of Ramu. After five years the sum of their ages will be 70 years. Find their present ages.

   (OR)

   b) $ABCD$ is a quadrilateral in which $AB \parallel DC$ and $AD \parallel BC$ Find $\angle b, \angle c$ and $\angle d$

2

11. a) Simplify the following

   (i) $2\frac{1}{2} \div \frac{3}{5}$ (ii) $4\frac{1}{3} \times 3\frac{2}{5}$ (iii) $3\frac{1}{3} + 2\frac{1}{2}$ (iv) $2 - \frac{5}{7}$
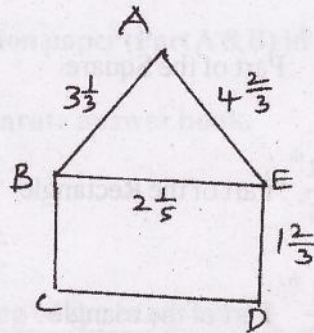
(OR)

   b) After 15 years, Hema's age will be four times that of her present age. Find her present age?

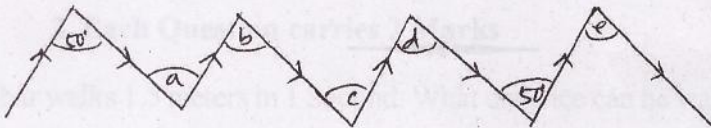12. a) Find the perimeter of

   i) $\triangle ABE$

   ii) Rectangle BCDE in the adjacent figure. Which figure has greater perimeter and by how much?

(OR)

   b) Find $\angle a$, $\angle b$, $\angle c$, $\angle d$ and $\angle e$ in the following figure. Give reasons.

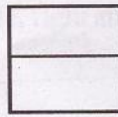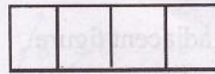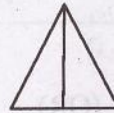13. Represent the following on number line

   (i) $2 + 3$

   (ii) $5 + (-7)$

   (iii) $-2 + (-3)$

   (iv) $7 - (-4)$

3

(OR)

b) Shade the following figures with given Instructions

(i) $\frac{3}{4}^{th}$ Part of the Circle

(ii) $\frac{1}{2}^{th}$ Part of the Square

(iii) $\frac{3}{4}^{th}$ Part of the Rectangle

(iv) $\frac{1}{2}^{th}$ Part of the triangle

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(English Medium)
Class - VII
Part - B

Time : 30minutes   Marks : 20

	AS - I						AS - II				AS - III			AS - IV			AS - V	
Q. No	1	5	6	10	11	14-19	2	7	12	20-21	3	8	22-23	4	9	24-29	13	30-33
Marks																		
Total																		

Name of the Student : .... Roll No.: ....

Note:

1. Answer all question in Part - B

2. Each Question has 4 options. Write the capital letter indicating the answer in the given brackets.

3. Marks are not awarded for over writing answers.

4. All questions carry equal marks.

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14. If $2x+10 = 52$ Then $x =$ (   )

   A) $-\dfrac{1}{21}$ B) $\dfrac{1}{21}$ C) -21 D) 21

15. Supplementary angle of 130^0 (   )

   A) 40^0 B) 60^0 C) 50^0 D) 90^0

16. $-5 + [(-2) + (+1)] =$ (   )

   A) -4 B) 6   C) -6 D) -2

17. $\dfrac{2}{3}$ Part of a cake is distributed, then remaining part of the cake   (   )

   A) $\dfrac{2}{3}$ B) $\dfrac{4}{3}$ C) $\dfrac{1}{3}$ D) $\dfrac{3}{2}$

18. One of the acute angle in Right angle triangle is 30^0 then other
    angle is .... ( )

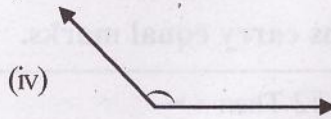   A) 30^0 B) 90^0 C) 70^0 D) 60^0
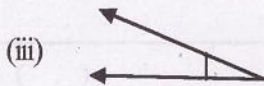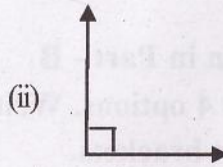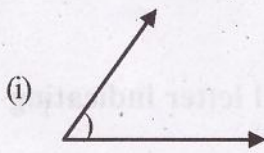
19. $53.7 \times 10 =$ ( )

    A) 5.37   B) 53.7   C) 537   D) 5370

20. Identify the smallest value among the following. $\frac{3}{5}, \frac{2}{5}, \frac{7}{5}, \frac{6}{5}$ ( )

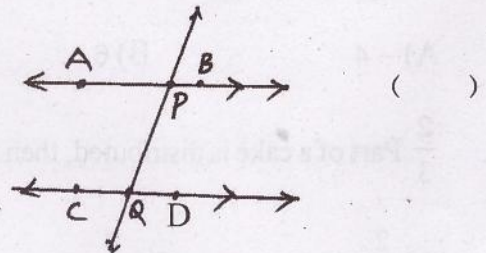   A) $\frac{3}{5}$ B) $\frac{2}{5}$ C) $\frac{7}{5}$ D) $\frac{6}{5}$

21. Acute angle among the following ( )

    (i)

    (ii)

    (iii)

    (iv)

    A) (i) , (ii)   B) (ii) , (iv)   C) (ii) , (iii)   D) (i) , (iii)

22. A number which is multiplied by 3 and then added by 5 is equal to 10
    then the equation is ( )

   A) $3x - 5 = 10$ B) $3x + 5 = 10$ C) $3x + 10 = 5$ D) $3x - 10 = 5$

23. From the adjacent figure if
    $\angle CQP = 80^0$ then $\angle APQ =$ ( )
    A) 100^0 B) 10^0
   C) 180^0 D) 90^0

24. The area of the rectangle is 105sq. cm, if its length is 15cm. then breadth is .... ( )

   A) 8 cm B) 9 cm C) 6 cm D) 7 cm

25. The ascending order of the integers – 5, 2, 1, – 8 is ( )

   A) 1, 2, – 8, – 5 B) 1, –5, –8, 2 C) –8, –5, 1, 2 D) –8, –5, 2, 1

26. Sum of the ages of Ramesh and his son is 45 years. If the age of Ramesh is 34 years then age of his son is .... years ( )

   A) 11 B) 10 C) 12 D) 13

27. 50 Paise = (In rupees) ( )

   A) 0.5 B) 50 C) $\frac{1}{5}$ D) 5

28. Present age of Gita is 11 years, after x years age of Gita is .... years ( )
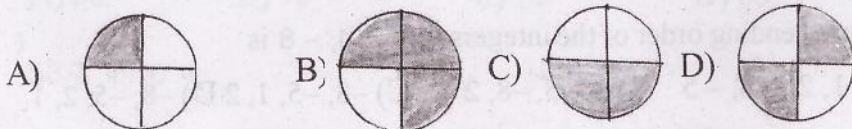
   A) x B) $11-x$ C) $11+x$ D) $11x$

29. From the adjacent figure value of $x=$ ( )

   A) 60^0 B) 120^0
   C) 90^0 D) 180^0
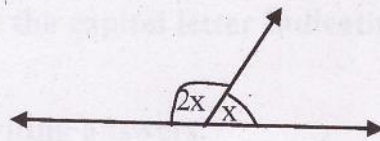
30. Straight line in the following figures ( )

   A) B) C) D)

31. Which of the following figure represent $3+(-4)=-1$ ( )

   A)

   B)

   C)

   D)

3
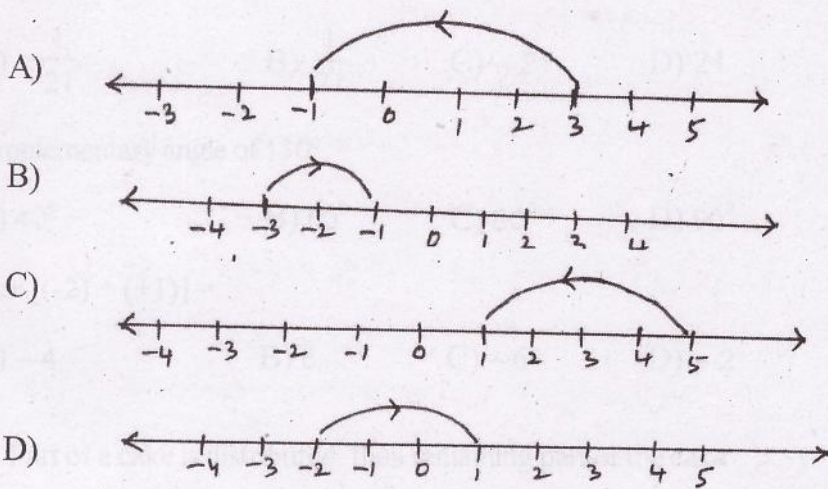
32. $\frac{1}{4}$ Shaded part in the following figures ( )

A) B) C) D)

33. Which lines are parallel in the following ( )

A) B)

C) D)