



Padalsalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

- Padalsalai's NEWS - Group
https://t.me/joinchat/NIfCqVRBNj9hhV4wu6_NqA
- Padalsalai's Channel - Group
<https://t.me/padasalaichannel>
- Lesson Plan - Group
<https://t.me/joinchat/NIfCqVWwo5iL-21gpzrXLw>
- 12th Standard - Group
https://t.me/Padalsalai_12th
- 11th Standard - Group
https://t.me/Padalsalai_11th
- 10th Standard - Group
https://t.me/Padalsalai_10th
- 9th Standard - Group
https://t.me/Padalsalai_9th
- 6th to 8th Standard - Group
https://t.me/Padalsalai_6to8
- 1st to 5th Standard - Group
https://t.me/Padalsalai_1to5
- TET - Group
https://t.me/Padalsalai_TET
- PGTRB - Group
https://t.me/Padalsalai_PGTRB
- TNPSC - Group
https://t.me/Padalsalai_TNPSC

COMMON FIRST TERM SUMMATIVE EXAMINATION-2019

V

Standard VIII

Reg.No.

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Time: 2.30 hours.

MATHEMATICS

Marks: 60

5 x 1 = 5

I. Choose the correct answer:

1. Which of the following pairs is equivalent?

- a) $-\frac{20}{12}, \frac{5}{3}$ b) $\frac{16}{30}, -\frac{8}{15}$ c) $-\frac{18}{36}, -\frac{20}{44}$ d) $\frac{7}{-5}, -\frac{5}{7}$

2. The rational number (numbers) which has additive inverse is an

- a) 7 b) $-\frac{5}{7}$ c) 0 d) all of these

3. $a \times (b + c) = (a \times b) + (a \times c)$

- a) commutative property b) closure c) associative d) distributive

4. Circumference of a circle

- a) πr^2 b) $\frac{\pi r^2}{4}$ sq. units c) $2\pi r$ d) $(\pi+2)r$

5. Congruent of triangles

- a) SSS b) SAS c) RHS d) ALL

5 x 1 = 5

II. Fill ups:

6. A part of circumference of a circle is called as _____.

7. The cross section of a solid cylinder is _____.

8. $6 \times y \times \underline{\hspace{1cm}} = 12x^3y$ 9. $(p+2)^2 = \underline{\hspace{1cm}}$

10. Out comes of dice (single time) _____.

5 x 1 = 5

III. True or False:11. Area of a sector πr^2

12. Coin has head and tail

13. $4x^2 - 3x + 9$ is a monomial.

14. All rational numbers have reciprocal.

15. Two similar triangles will always have matching angles.

5 x 1 = 5

IV. Match the following:16. $\equiv$ - Infinitive17. π - Congruence18. ∞ - Rupees19. $\frac{22}{7}$ - Radius20. r - $\frac{22}{7}$

10 x 2 = 20

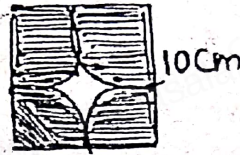
V. Answer any ten:21. Subtract $\frac{-8}{11}$ from $\frac{-17}{11}$ 22. Write 4 equal rational numbers for $\frac{-3}{5}$ 23. Compare the rational numbers $\frac{2}{3}$, $\frac{4}{5}$ 24. Find the length of the arc when central angle 45° , $r = 16$ cm

25. Define Sector.

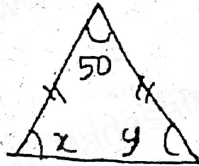
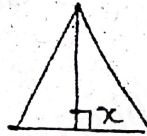
(2)

VIII Maths

26. Find the area of the shaded portion.



27. Multiply $(4x^2 + 9)$ & $(3x - 2)$ (or) $12x^2 \times 13xy$
 28. Factorise: $y^2 - 10y + 25$ (or) $x^2 + 14x + 49$
 29. Area of rectangle is m^2n^3 , $l = 8mn^2$. Find breadth.

30. Find x & y 31. $x = ?$ 

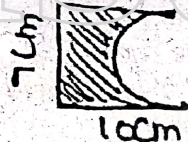
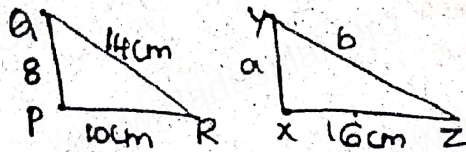
32. Outcomes of tossing 2 coins.

V. Answer any 5:

$$5 \times 3 = 15$$

33. Verify commutative property for addition & multiplication: $-\frac{10}{11}$ & $-\frac{8}{33}$
 34. Write in ascending order: $-\frac{3}{5}, -\frac{7}{10}, -\frac{15}{20}, -\frac{14}{30}, -\frac{8}{15}$
 35. The radius of a sector is 21 cm & its central angle is 120° . Find length of arc.

36. Find the area of the shaded portion.

37. Multiply: $(3x^2y) \times (2x^3y^3 - 5x^2y + 9xy)$ 38. $(5P - 1)^2 = ?$ (or) Expand $(2a + 5)^3$ 39. $\triangle PQR \sim \triangle XYZ$. Find a & b .

40. Out comes of tossing 3 coins.

VI. Answer any 1:

$$1 \times 5 = 5$$

41. ABCD; $AB = 5$ cm, $BC = 4.5$ cm, $CD = 3.8$ cm, $DA = 4.4$ cm, $AC = 6.2$ cm
 42. PQRS; $PQ = QR = 3.5$ cm, $RS = 5.2$ cm, $SP = 5.3$ cm & $\angle Q = 120^\circ$
 43. Construct a quadrilateral NICE with $NI = 4.5$ cm, $IC = 4.3$ cm, $NE = 3.5$ cm, $NC = 5.5$ cm & $IE = 5$ cm. Also find its area.
