Section-B

Note: Attempt any NINE of the following questions:

Q.2 Simplify:

(i) $\frac{2^4 5^3}{10^2}$

- Q.3 If Log 3. 0 4717 Apg 2.0.3010. Log 5 o 0.6990 then find the value of Log 30
 - Q.4 Ifab = 5 andab=7, find the value of 3b3. Find the factors of the following

Q.5 (i) x'- 1 + $\frac{1x^2}{4x^2}$ (ii) $(2x + x)^2 - (2x - x)^2$

- Q.6 Find the LOM of $x^2 + 11x + 28$ and $x^2 + x 12$
- Q.7 Simplify (ii) $\sqrt{x} 8 = 1$ (ii) |5x 12| = 7
- Q.8 Solve 9% = 12x 49 by quadratic formulæ
- Q.9 solve $\sqrt{x+2} + \sqrt{x+7} = \sqrt{6x+13}$
- Q.10 Find the value of x and y when x+ yt = -5 + 5i
- Q.11 $x = 3 2\sqrt{2}$ find $x^2 + 1/x^2$
- Q.12 If the polynomial $4x^3 7x^2 + 6x 3k$ is exactly divisible by (x + 2) find the value of K
- Q.13 Find the square root by division method x 2x2 3x2 + 2x + 1
- Q.14 Find the number of digitan 45.

SECTION - C

ATT9AP: ANT 1-015E1010F THE fOLLOwsit3 QUESTIONS.

- Q.15 If two angles of a triangle are congruent then opposite sides will also be congruent
- Q.16 Define with Diagram
- (i) Right Bisector of fine segment (ii) Equilateral Triangle (lii) Congruent Triangles
- Q17 If opposite sides of a quadrilateral are congruent and parallel then quadrilateral will be paradgram.
- Q.18 Draw ABC. if mLA = 65° m.AC = mA8 = 5 lcm
- Q.19 Find am central point of a circle when the end points of diameter are Æ)5 and B(3-4).

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