

TVL8M

2

Part - II**Answer ANY SIX questions only:****6×2=12**

- 21) Simplify $(3x+5y)(3x-5y)$ by using $(a+b)(a-b)$ identity.
- 22) Factorise: $x^2+14x+49$
- 23) Convert the statement "7 is added to a given number to give 19" into linear equation.
- 24) One number is seven times another. If their difference is 18 find the number.
- 25) Multiply: $(4x^2+9)$ and $(3x-2)$
- 26) Give two examples of Inverse Proportion.
- 27) A cement factory makes 7000 cement bags in 12 days with the help of 36 machines. How many bags can be made in 18 days using 24 machines?
- 28) A and B together can do a piece of work in 16 days and A alone can do it in 48 days. How long will B take to complete the work?
- 29) Find the HCF of 18 and 27.

Part - III**Answer ANY TWO questions only:****2×5=10**

- 30) Find the value of x : $\frac{3x-2}{4} - \frac{(x-3)}{5} = -1$
- 31) A number consists of two digits whose sum is 9. If 27 is subtracted from the original number, its digits are interchanged. Find the original number.
- 32) A is thrice as fast as B. If B can do a piece of work in 24 days, then find the number of days they will take to complete the work together.

Part - IV**Answer only ONE question:****1×8=8**

- 33) a) Construct a parallelogram CALF with $CA = 7$ cm, $CF = 6$ cm and $AF = 10$ cm. Also find its area. **(OR)**
- b) Construct a rhombus FACE with $FA = 6$ cm and $FC = 8$ cm. Also find its area.
