



(2)

VIII Maths

III Answer any 5 questions:

5x2=10

13. Expand :  $(3a+4c)^2$ 14. Expand :  $(y-5)^3$ 15. Factorise  $18xy - 12yz$ 16. Factorise  $y^2-10y+25$ 17. Solve the equation  $x - 7 = 6$ 

18. Convert the following statements into linear equations. The sum of 4 times a number and 18 is 28.

19. Using repeated subtraction method, find the HCF of 36 and 80.

IV Answer any 4 questions:-

4x5=20

20. Simplify:  $(P-2)(P+1)(P-4)$ 21. Expand:  $(104)^3$ 22. Find the volume of the cuboid whose dimensions are  $(x+2)(x-1)$  and  $(x-3)$ .23. Factorise  $x^3+15x^2+75x+125$ 

24. The sum of two numbers is 36 and one number exceeds another by 8. Find the numbers.

25. Using repeated subtraction method, find the HCF at 320, 120 and 95.

V Answer any one of the following:

1x8=8

26. Construct a parallelogram BIRD with  $BI=6.5\text{cm}$ ,  $IR=5\text{cm}$  and  $\angle BIR=70$ . Also Find its area.

(Or)

27. Construct a rhombus FACE with  $FA=6\text{cm}$  and  $FC=8\text{cm}$ , Also find its area.

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