

## Number Analogies

16. $12: 35:: \_$_ 63
1) 21
2) 18
3) 16
4) 14
17. $25: 29:: 31$ : $\qquad$
1) 32
2) 33
3) 10
4) 11
18. $2: 9:: 64$ : $\qquad$
1) 175
2) 257
3) 625
4) 216
19. $4: 12:: 10$ : $\qquad$ .
1) 20
2) 90
3) 60
4) 45
20. $48: 63:: 624$ : $\qquad$ .
1) 1520
2) 1230
3) 677
4) 675

## Letter and Word Analogy

21. AEFJ : KOPT : : $\qquad$ :QUVZ
1) GKLP
2) GKLQ
3) HKLP
4) KLQM
22. PRLN : XZTV : : JLFH : $\qquad$ :
1) RTNP
2) NPRT
3) NRPT
4) NTRP
23. SAMOHT : SINNZT : : RELHEM : $\qquad$ :
1) LFG MDS
2) QFKIDN
3) SFMIFN
4) QDKGDL
24. ZXYW : USTR : : PNOM : $\qquad$
1) HIJK
2) KHIJ
3) KIJH
4) IHKJ
25. ABDH:ZYWS : : EFHL : $\qquad$ :
1) VOSU
2) VUSO
3) VUSP
4) USOV

## Letter and Number Coding

26. In certain code, F R U I T is coded as I T V K W. Then how is the word S W E E T coded ?
1) VYFFW
2) VYFDJ
3) VYGFW
4) VYFGW [ ]
27. If BOUQUET is coded as YMRORCQ, what is the code of GARLAND ?
1) DXOIXKA
2) EYPJYLB
3) DYOJXLA
4) EXPJXLB
28. In a certain code, INK is coded as 6C7G10A. In the same code, which word is coded as 8H1D7G ?
1) PEN
2) PAN
3) CAN
4) MAN
29. If PRAVEEN is coded as NFEWASP, what is the code of the word SATISH ?
1) HTIUAT
2) HITAUT
3) HSITAS
4) HTIAUT
30. If RAVI is coded as E N I V then how is KUMAR coded as
1) XHZNE
2) XHONE
3) XOHEN
4) XHOEN

## Equations

31. What is the difference between the largest number and the least number written with the figures 3,4,7,0,3 ?
1) 70983
2) 43893
3) 43983
4) 43883
32. Sum of two consecutive even terms lacks by 98 from their product. Find the sum of these numbers
1) 18
2) 22
3) 24
4) 32
33. If one third of $3 / 4$ of a number is 21 . Then find the number.
1) 840
2) 630
3) 63
4) 84

## Ratio \& Proportion

34. 1000 men have provisions for 15 days. If 200 more men join them, for how many days will the provisions last now?
1) 10.5
2) 11.5
3) 12.5
4) 10.4
35. An amount of money is to be divided between $P, Q$ and $R$ in the ratio of 3:7:12. If the difference between the shares of P and Q is Rs. 2400, what will be the difference between Q and R's share?
1) Rs. 2800
2) Rs. 3000
3) Rs. 2400
4) Rs. $3200 \quad$ [ ]
36. Rs. 160 contained in a box consists of one rupee, 50 paise and 25 paise coins in the ratio 4:5:6. What is the number of 25 paise coins
1) 100
2) 115
3) 120
4) 110

## LCM \& HCF

37. The least square number which divides 8,12 and 18 is
1) 100
2) 121
3) 64
4) 144
38. Four bells begin to toll together respectively at the intervals of $8,10,12$ and 16 seconds. After how many seconds will they toll together again?
1) 246 seconds
2) 242 seconds
3) 240 seconds
4) 243
39. The product of two digits number is 210 and their HCF is 12 . The numbers are :
1) $(36,60)$
2) $(12,180)$
3) $(96,25)$
4) $(72,30)$

## Percentages

40. If the price has fallen by $10 \%$ then what percent of its consumption be increased so that the expenditure may be the same as before ?
1) $11 \%$
2) $10 \%$
3) $11 \frac{1}{9} \%$
4) $9 \frac{1}{11} \%$
41. If y exceeds x by $25 \%$, then x is less then y by
1) $16 \%$
2) $16 \frac{1}{3} \%$
3) $20 \%$
4) $16 \frac{3}{5} \%$
42. The salary of Mr. X is $30 \%$ more then that Mr. Y. Find what percent of Mr. Y's salary is less then Mr. X's
1) $30 \%$
2) $25 \frac{1}{13} \%$
3) $23 \frac{1}{13} \%$
4) $22 \frac{1}{13} \%$

## Profit \& Loss

43. A watch was sold at a loss of $10 \%$. If it was sold for Rs. 140 more, there would have been again of $4 \%$. What is the cost price.
1) Rs. 1000
2) Rs. 1140
3) Rs. 860
4) Rs. 760
44. The list price of an article is Rs. 65 . A customer pays Rs. 56.16 for it. He was given two successive discounts, one of them being $10 \%$. The other discount is?
1) $3 \%$
2) $4 \%$
3) $5 \%$
4) $6 \%$
45. A single discount equivalent to the discount series of $20 \%, 10 \%$ and $5 \%$ is?
1) $25 \%$
2) $30 \%$
3) $31.6 \%$
4) $33.5 \%$
46. A man selles a horse for Rs. 800 and loses something. If he had sold it for Rs. 980, his gain would have been double the former loss. Find the cost price of the horse ?
1) Rs. 900
2) Rs. 875
3) Rs. 850
4) Rs. 860
47. By selling a house at 60,000 a person got a loss of $10 \%$. In order to get a profit of $20 \%$ he should sell it for
1) Rs 70,000
2) Rs 80,000
3) Rs 90,000
4) Rs $1,00,000$

## Mensuration

48. If a sphere, a cylinder and a cone are of the same radius and same height, then the ratio of their curved surface areas is
1) $1: 1: 2$
2) $4: 4: \sqrt{5}$
3) $2: \sqrt{3}: 1$
4) $2: 1: 1$
49. The volume of a sphere of radius 2.1 cm is
1) $28.808 \mathrm{~cm}^{3}$
2) $38.808 \mathrm{~cm}^{3}$
3) $36.8 \mathrm{~cm}^{3}$
4) $39.8 \mathrm{~cm}^{3}$
50. The total surface area of a hemisphere of radius 3.5 cm is
1) $109.5 \mathrm{~cm}^{2}$
2) $114.6 \mathrm{~cm}^{2}$
3) $115.5 \mathrm{~cm}^{2}$
4) $117.52 \mathrm{~cm}^{2}$

## INTSO

