

NUMBER ANALOGY :
16. 18 : 80 : : ? : 143

1) 26
2) 27
3) 24
4) 28
17. $4: 29:: 36::$ ?
1) 243
2) 253
3) 247
4) 258
18. $35:: 24:: 323:$ ?
1) 624
2) 576
3) 276
4) 288
19. $5: 20:: 8:$ ?
1) 72
2) 64
3) 56
4) 68
20. $61: 67:: 71: ?$
1) 75
2) 80
3) 87
4) 73

## LETTER AND WORD ANALOGY :

21. BSK : GXP : : IMC : ?
1) NRE
2) NRJ
3) NRH
4) NRI
22. JEY : WRL : : KTO : ?
1) XGL
2) PGL
3) XHL
4) XGB
23. ADHE : DICB : : PLUS : ?
1) RULQ
2) RVKQ
3) RWIQ
4) RTJQ
24. Hear: Deaf: : Speak:?
1) Quiet
2) Silent
3) Mumb
4) Dumb
25. Young : Old : : Wide : ?
1) Insufficient
2) Big
3) Narrow
4) Long

## CODING AND DECODING :

26. In a certain code, GREAT is coded as HTHEY. Then how is the work SOLVE coded ?
1) TQPYJ
2) TQOZJ
3) TQOXJ
4) TQNYJ
27. In a certain code, DEPOSIT is coded as TISOPED. Then how is EDITION coded ?
1) NOIITDE
2) NOITDIE
3) NOITIDE
4) NOIDITE [ ]
28. In a certain code CUT is coded as 1B9L13G. Then which word is coded as 3 G 7 H 2 W ?
1) JAY
2) JOB
3) JPY
4) JOY
29. If TRAILER is coded as VRCINET. How is VERDICT is coded ?
1) XETDKCV
2) XGREJOT
3) XETCLCV
4) XEUCKCV
30. If SIN is coded as FVA. Then how PLE is coded ?
1) KOB
2) CZR
3) CYR
4) CXR

## EQUATIONS :

31. What is the difference between the largest 5 digit number and the least 5 digit number written with the figures $3,5,9,0,6$ ?
1) 64961
2) 65961
3) 63861
4) 66861
32. Sum of two consecutive even terms lacks by 142 from their product. Find the sum of these numbers ?
1) 20
2) 22
3) 24
4) 26
33. If one - seventh of one - sixth of a number is 8 . Then find the number ?
1) 326
2) 336
3) 316
4) 346

## RATIO AND PROPORTION :

34. 650 men have provisions for 28 days. If 50 more men join them. For how many days will the provisions last now ?
1) 24
2) 20.5
3) 22
4) 26
35. An amount is to be divided between $\mathrm{P}, \mathrm{Q}$ and R in the ratio $3: 5: 8$. If the difference between the shares of P and Q is ₹ 12,000 . What will be the difference betweeen Q and R 's share ?
1) ₹ 24000
2) ₹ 18000
3) ₹ 16000
4) ₹ 20000 [ ]
36. ₹ 520 contained in a box consists of one rupee, 50 paise and 25 paise coins in the ratio $3: 5: 4$. The number of 50 paise coins is?
1) 400
2) 360
3) 420
4) 380

## LCM AND HCF :

37. The least square number which divides $12,8,10$ is ?
1) 1200
2) 2400
3) 6400
4) 3600
38. Four bells begin to toll together respectively at the intervals of $6,9,12$ and 14 seconds. After how many seconds will they toll tegether agian ?
1) 248
2) 252
3) 256
4) 284
39. The product of two numbers is 432 and their HCF is 6 . Find the LCM ?
1) 36
2) 12
3) 48
4) 72

## PERCENTAGES :

40. If the price of an article has fallen by $20 \%$ then what percent of its consumption be increased so that the expenditure be the same as before ?
1) $25 \%$
2) $10 \%$
3) $33 \frac{1}{3} \%$
4) $15 \%$
41. If y exceeds x by $40 \%$, then x is less than y by?
1) $14 \frac{2}{7} \%$
2) $28 \frac{4}{7} \%$
INTT3) $25 \%$
3) $32 \frac{1}{7} \%$
42. The salary of Mr. A is $60 \%$ more than that of Mr. B. Find what percent of Mr. B's salary is less than Mr. A's?
1) $37 \frac{1}{2} \%$
2) $32 \frac{1}{3} \%$
3) $25 \%$
4) $35 \frac{1}{2} \%$

## PROFIT AND LOSS :

43. A watch was sold at a loss of $15 \%$. If it was sold for Rs. 126 more, there would have been a gain of $3 \%$. What is the cost price?
1) 500
2) 600
3) 700
4) 800
44. The list price of an article is Rs. 424. A customer pays Rs. 286.2 for it. He was given two succesive discounts, one of them is $25 \%$. The other discount is ?
1) $10 \%$
2) $15 \%$
3) $20 \%$
4) $5 \%$
45. A single discount equivalent to the discount series of $20 \%, 25 \%$ and $30 \%$ is
1) $45 \%$
2) $48 \%$
3) $58 \%$
4) $55 \%$
46. A man sells a horse for ₹ 550 and loses something. If he had sold it for ₹ 700 , his gain would have been double the former loss. Find the cost price of the horse ?
1) 80
2) 50
3) 90
4) 40
47. By selling a house at $₹ 48,000$ a person got a loss of $25 \%$. In order to get a profit of $25 \%$ he should sell it for?
1) 80,000
2) 90,000
3) $1,00,000$
4) 70,000

MENSURATION :
48. The volume of a cylinder with diameter of base 14 cm and height 80 cm is

1) $1120 \mathrm{~cm}^{3}$
2) $1232 \mathrm{~cm}^{2}$
3) $1356 \mathrm{~cm}^{3}$
4) $1420 \mathrm{~cm}^{3}$
49. The volume of a sphere of radius 10.5 cm is
1) $4851 \mathrm{~cm}^{3}$
2) $4352 \mathrm{~cm}^{3}$
3) $5241 \mathrm{~cm}^{3}$
4) $3561 \mathrm{~cm}^{3}$
50. The total surface area of a cone of radius 6 cm and height 8 cm is
1) $84 \pi \mathrm{~cm}^{2}$
2) $96 \pi \mathrm{~cm}^{2}$
3) $88 \pi \mathrm{~cm}^{2}$
4) $94 \pi \mathrm{~cm}^{2}$
