

■ ENGLISH LANGUAGE

1. (e) 2. (e) 3. (a) 4. (e) 5. (b) 6. (e) 7. (c) 8. (d) 9. (a) 10. (c)
 11. (d) 12. (a) 13. (d) 14. (c) 15. (a) 16. (c) 17. (a) 18. (d) 19. (b) 20. (b)
 21. (c) 22. (b) 23. (b) 24. (a) 25. (c) 26. (d) 27. (e) 28. (a) 29. (e) 30. ()

■ NUMERICAL ABILITY

31. (e) 32. (c) 33. (a) 34. (d) 35. (d) 36. (b) 37. (c) 38. (a) 39. (d) 40. (a)
 41. (b) 42. (e) 43. (d) 44. (d) 45. (b) 46. (a) 47. (e) 48. (b) 49. (d) 50. (b)
 51. (a) 52. (a) 53. (e) 54. (d) 55. (a) 56. (c) 57. (e) 58. (e) 59. (b) 60. (b)
 61. (d) 62. (c) 63. (d) 64. (b) 65. (c)

■ REASONING ABILITY

66. (e) 67. (a) 68. (a) 69. (c) 70. (b)
 71. (b) 72. (a) 73. (e) 74. (b) 75. (c) 76. (d) 77. (c) 78. (b) 79. (c) 80. (d)
 81. (b) 82. (a) 83. (e) 84. (c) 85. (b) 86. (d) 87. (e) 88. (a) 89. (d) 90. (a)
 91. (a) 92. (e) 93. (d) 94. (d) 95. (e) 96. (c) 97. (b) 98. (d) 99. (a) 100. (c)

31. (e)

? 1500 6 24
 9000 24 8976
 Required answer = 8800

32. (c)

? 17 25 5 17 5 22

33. (a)

? $\sqrt[3]{8}$ 6^2 5
 2 36 5 72 5 67
 Required answer = 70

34. (d)

? 16 3 1 533
 Required answer = 5.6

35. (d)

? $\sqrt{963}$ $(4.895)^2$ 9.24
 31 $(5)^2$ 9 31 25 9 47
 Required answer = 45

36. (b)

(12 19) (13 8)
 (15 14) ?
 28 104 210 ?
 332 210 ?
 ? 332 210 122

37. (c)

? $\frac{\sqrt{65} \ 12 \ 50 \ 54}{\sqrt{780} \ 50 \ 54 \ \sqrt{784}}$ 28

38. (a)

? 152 8 $\frac{228}{19}$ ²
 1216 144 1360

39. (d)

? 38.734 8628 5.19

47372 5.19
 42.182

40. (a)

$(7)^{8.9}$ $(7^3)^{1.7}$ $(7^2)^{4.8}$ $(7)^?$

$7^{8.9}$ $7^{5.1}$ $7^{9.6}$ $(7)^?$

$(7)^{8.9}$ 5.1 9.6 $(7)^?$

$(a^m)^n$ a^{mn} ;

a^m a^n $a^{m \ n}$;

a^m a^n $a^{m \ n}$

$(7)^{13.4}$ $(7)^?$

? 13.4

41. (b)

? (42 3.2) (16 1.5)
 $\frac{42 \ 3.2}{16 \ 1.5}$ 5.6

42. (e)

342 6 28 1099 ?
 1596 1099 ?
 4 1596 1099 497

43. (d)

? $\frac{9.8 \ 2.5 \ 7.6}{0.5}$ 372.4

44. (d)

? $\frac{2}{7}$ $\frac{3}{5}$ 426
 ? $\frac{426 \ 7 \ 5}{2 \ 3}$ 2485

45. (b)

? $\frac{13}{63}$ $\frac{104}{14}$ $\frac{52}{19}$
 $\frac{13}{63}$ $\frac{14}{104}$ $\frac{52}{19}$ $\frac{13}{171}$

46. (a) Total marks obtained in Chemistry

90 110 100 120 60 480

Required percentage

$$\frac{120}{480} \times 100 = 25$$

47. (e)

New marks of T

$$\frac{50 + 114}{100} = 57$$

Required percentage

$$\frac{57}{140} \times 100 = 40.7$$

- 48.

Total marks of T = 50 + 60 = 110

Marks of R in Physics = 80

110 > 80

49. (d)

Required ratio

(130 90) : 110

220 : 110 = 2 : 1

50. (b)

Required ratio

(110 120) : (130 80)

230 : 210 = 23 : 21

51. (a) Required S. P

$$\frac{160}{100} \times 115 = \text{Rs. } 184$$

52. (a) If the monthly income of Kajal be Rs. x, then

$$x \times \frac{55}{100} + \frac{2}{(4 + 2 + 5)} = 5540$$

$$x \times \frac{55}{100} + \frac{2}{11} = 5540$$

$$x \times \frac{55}{100} = 5540 - \frac{2}{11}$$

= Rs. 55400

53. (e)

$$x \times \frac{35}{100} + y \times \frac{75}{100} = 2$$

$$x \times 35 + y \times 75 = 200$$

$$x \times 7 + 30y = 200$$

$$\frac{x}{y} = \frac{30}{7}$$

54. (d) Let the length be 7x metre and the breadth be 2x metre.

$$x^2 \times \frac{3584}{14} = 256$$

$$x = \sqrt{256} = 16$$

Perimeter of rectangle

$$2(7x + 2x)$$

$$18x = 18 \times 16 = 288 \text{ metre}$$

55. (a)

Present population of boys

$$\frac{610}{100} \times 80 = 488$$

Number of girls

$$\frac{488 + 175}{100} = 854$$

56. (c)

Marks obtained by Vidya

350 296 646

If the maximum marks of the test be x, then

$$\frac{x}{100} \times 76 = 646$$

$$x = \frac{646 \times 100}{76} = 850$$

57. (e) Previous marks of the student

$$96 \times \frac{100}{60} = 160$$

Required difference

$$160 - 96 = 64$$

58. (e)

Candidates selected

$$\frac{855 + 20}{100} = 171$$

59. (b) Fifth number

5 61 2 69 2 69

305 138 138 29

60. (b) According to the question,

$$6x - 2x = 24$$

$$4x = 24$$

$$x = 6$$

Father's present age

$$7x = 7 \times 6$$

42 years

61. (d) Required average weight

$$\frac{19 \times 74 + 38 \times 63}{19 + 38}$$

$$\frac{1406 + 2394}{57}$$

$$\frac{3800}{57} = 66.66$$

67 kg

62. (c)

$$750 \times \frac{32}{100} = 240$$

$$600 \times \frac{23}{100} = 138$$

$$250 \times \frac{98}{100} = 245$$

$$320 \times \frac{75}{100} = 240$$

63. (d) Total marks obtained by Matthew = 42 + 51 + 58

$$+ 35 + 48 = 234$$

Required percentage

$$\frac{234}{300} \times 100 = 78$$

64. (b) Fare of a child

$$114 \times \frac{6}{100} = \text{Rs. } 6.84$$

Required total fare

(4 114 5 19)

Rs. (456 95)

Rs. 551

65. (c) Speed of truck

$\frac{368}{8}$ 46 kmph

Speed of car = 46 + 18

64 kmph

Distance to be covered by car

368 16 384 km

Required time

$\frac{384}{64}$ 6 hours

66. (e)

R S T > U > X

R S T < V < W

W > V > T > U > X

Conclusions

I. R > X : True

II. X < W : True

67. (a)

E = F < G < H

E = F < G I

I G < H

Conclusions

I. H > I : True

II. E I : Not True

68. (a)

A > B > F > C < E < D

Conclusions

I. C < A : True

II. B > D : Not True

69. (c)

K L M = N O P

Conclusions

I. K < P : Not True

II. K = P : Not True

K is either smaller than or equal to P.

70. (b)

D < E < F < G

D < E < F < K

K > F > G

Conclusions

I. K G : Not True

II. K > D : True

71. (b)

09, 019, 0129, 01239, 012349, 0123459, 012345(6)

72.(a) 73.(e) 74.(b) 75.(c)

76. (d)

77. (c)

78. (b) There are two students between Anita and Tina.

79. (c) Shweta is seventh to the left of Anita.

80. (d)

81. (b) 82. (a) 83.(e) 84.(c) 85.(b)

(86-90)

(i) All rows are lines Universal Affirmative (A-type).

(ii) Some rings are circles Particular Affirmative (i-type).

(iii) No circle is a square Universal Negative (E-type).

(iv) Some circles are not squares Particular Negative (O-type).

86.(d) 87.(e) 88.(a) 89.(d) 90.(a)

(91-95) :

Month	City
January	Mumbai
February	Kolkata
March	Chennai
April	Bangalore
May	Delhi
June	Bhopal
July	Cochin

91.(a) 92.(e) 93.(d) 94.(d) 95.(e) 96.(c) 97.(b)

98.(d)

(99-100) :

99.(a) 100.(c)