

RISHI ACADEMY OF COMPETITIVE EXAMS
IBPS Clerk Preliminary 2021. ICP-2021-090018

SOLUTIONS

1. (1)
2. (2)
3. (3)
4. (4)
5. (1)
6. (4) replace 'wet' with 'weaker'
7. (1) replace 'have' with 'tact'
8. (5)
9. (1) replace 'encounter' with 'encountering'
10. (3) replace like with as
11. (2)
12. (1)
13. (5)
14. (4)
15. (3)
16. (4)
17. (1)
18. (3)
19. (2)
20. (5)
21. (5)
22. (4)
23. (2)
24. (1)
25. (2)
26. (2)
27. (1)
28. (1)
29. (3)
30. (2)
31. (4) All others are grains whereas sesame is an oil-seeds.
32. (5); As steel is an alloy, zinc is a metal
33. (4) Descending order of the villages $P > N > R > Q$
34. (3) M A C H I N E – 19 – 7 – 9 – 14 – 15 – 20 – 11.
13 1 3 8 9 14 4
+6 +6 +6 +6 +6 +6 +6
DANGER – 10 – 7 – 9 – 14 – 15 – 20 – 14
35. (4)

36. (5)

37. (3)

38. (1) $165 \div 11 \times 5 + 32 - 20 = 75 + 12 = 87$

39. (4) All the numbers are prime except 39.

40. (2)

D	E	S	K	R	I
#	\$	5	2	%	7

RISK - %752

41. (2)

42. (5) 4 9 8 7 5 6 - D Z H G E Y

43. (5) 3 9 8 7 5 6 2 - X Z H G E F Y

44. (5) 2 7 4 6 0 1 - B G Z F J A

45. (3) 2 4 5 3 7 6 - b z e c g y

46. (5) All school are houses (A) – Conversion – Some houses are schools (I) – Hence I follows.
All books are students (A) – Conversion – Some students are books (I). Hence II follows.
All books are students (A) + All students are houses = A + A = A – Conversion – I. Some houses are books . Hence III follows.

47. (4) All snakes are trees + Some trees are roads = A + I = No Conclusion. Hence II does not follow. Consequently I also does not follow. Some trees are roads + All roads are mountains = I + A = I = Some trees are mountains – Conversion - Some mountains are trees (I) . Hence III follows.

48. (2) Some stars are rivers + All rivers all goats = I + A = I = Some stars are goats – Some goats are stars. Hence II follows. All the statements are affirmative. So we cannot find negative conclusions.

49. (4) No Jungle is a bird + Some birds are rains E + I = O* = Some rains are not jungles.
However I and II are a complementary pair. All tigers are jungles + No jungles is a bird = A + E = E = No tigers are birds. Hence III follows by conversion.

50. (1) Some pens are swords + All swords are dogs = I and A = I = Some pens are dogs. Some pens are dogs + Some dogs are foxes = I + I = No conclusion. Hence I is invalid. All swords are dogs + Some dogs are foxes. A + I = No conclusion. Hence III is invalid.

51. (3)

52. (2)

53. (4)

54. (4)

55. (1)

56. (5)

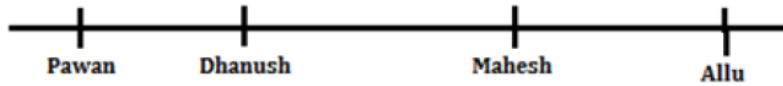
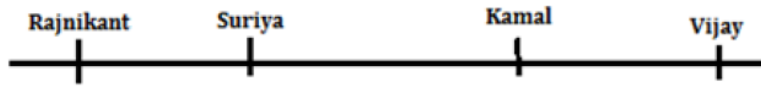
57. (4)

58. (2)

59. (2)

60. (1)

(61-65)



61.(1) 62.(4) 63.(5) 64.(3) 65.(5)

66. (2) 3.8

67. (1) 4.11

68. (2) 126

69. (2) $5^3 \times 3^3 \div 3^6 = 125 \times 27 \div 729 = 4.63$

70. (3) $\frac{1.8 \times 3.6}{0.06} = \frac{18 \times 36}{6} = 108$

71. (1)

72. (1) $? = \frac{5600 \times 100}{450} = 1244.444$

73. (5) $(89)^3 = 704969$

74. (1)

75. (2) $(12)^2 - (4.4)^2 - (0.04)^2$
 $= 144 - 19.36 - 0.0016$
 $= 124.64 - 0.0016 = 124.6384$

76. (3)

required ratio = $\frac{533 - 290}{406} = 243:406$

77. (4)

required % = $\frac{290}{492} \times 100 = 58.94\%$

78. (1) Required difference = $125 - 26 = 99$

79. (2)

$\frac{(475)}{2050} \times 100 = 23.17\%$

80. (3)

total no. of children from

mathana = 328

Children from BPL families = $\frac{37.5}{100} \times 328 = 123$

BPL family children who are attending school = $\frac{7}{29} \times 203 = 49$

BPL family children who are not attending school = $123 - 49 = 74$

Required percentage = 22.56%

81. (5) $1524 + 17 \times 1 = 1541$

$1541 + 17 \times 2 = 1575$, not 1576

$1575 + 17 \times 3 = 1626$

$1626 + 17 \times 4 = 1694$

82. (1) $169 + 15 \times 1 = 184$
 $184 - 15 \times 3 = 139$
 $139 + 15 \times 5 = 214$, not 216
 $214 - 15 \times 7 = 109$
83. (2) $30 \times 0.6 = 18$, not 32×0.6
 $18 \times 0.6 = 10.8$
 $10.8 \times 0.6 = 6.48$
 $6.48 \times 0.6 = 3.888$
84. (2) $54 \times 1 + 3 = 57$, not 58
 $57 \times 2 + 3 = 117$
 $117 \times 3 + 3 = 354$
 $354 \times 4 + 3 = 1419$
 $1419 \times 5 + 3 = 7098$
85. (1)
 $1^3 - 1^2 = 0$
 $2^3 - 2^2 = 4$
 $3^3 - 3^2 = 18$
 $4^3 - 4^2 = 48$, not 54
 $5^3 - 5^2 = 100$
 $6^3 - 6^2 = 180$
86. (3) 20% of 7600 = 1520
 \therefore Students who do not play football = $7600 - 1520 = 6080$
87. (4) Amount in bag = $(3 + 8 + 20 + 10 + 30) = 71$
88. (1) Avg = $\frac{4662}{9} = 518$
89. (1) Length of reel = $120 \times 40 + 60$
 $= 4800 + 60 = 4860$
90. (1)
 $(68)^2 - x^2 = 2508$
 $\therefore x^2 = 4624 - 2508$
 $\therefore x = \sqrt{2116} = 46$
91. (5)
92. (1) Let the price of a ring be x and that of a bangle be y
 $\therefore 9x + 4y = 86040$
 Multiplying both sides by 3, we get
 $27x + 12y = 86040 \times 3 = \text{Rs } 258120$
93. (2) Avg = $\frac{99542}{65} = 1531.41$
94. (3) No of days in may and June = $31 + 30 = 61$
 \therefore Quantity = $\frac{539}{7} \times 61 = 77 \times 61 = 4697$ kg.
95. (3) % marks = $\frac{950}{1200} \times 100 = 79.16 = 79$
96. (1) Let the numbers be

(P) (Q) (R) (S) (T) (U)
 $a+1, a+3, a+5, a+7, a+9, a+11$
 $\therefore a+1+a+3+a+5+a+7+a+9+a+11 = 116 \times 6$
 $6a+36 = 696$
 $\therefore 6a = 660 \quad \therefore a = 11$
 $\therefore R = a+5 = 115, T = a+9 = 119$
 $\therefore R \times T = 115 \times 119 = 13685$

97. (2) $x^2 - 9^3 = 640$
 $\therefore x^2 = 729 + 640 = 1369$
 $\therefore x = \sqrt{1369} = 37$

98. (3) Let the number be x
 $\therefore (73 - 55)\% \text{ of } x = 414$
 $\therefore x = \frac{414 \times 100}{18} = 2300$
 $\therefore 62\% \text{ of } 2300 = 1426$

99. (5) $x + \frac{125}{100} = 8022$
 $\therefore x = \frac{8022 \times 100}{125} = 6417.6$

100. (1) $CI = P \left[\left(1 + \frac{r}{100} \right)^t - 1 \right]$
 $= 6250 \left[\left(1 + \frac{8}{100} \right)^2 - 1 \right]$
 $= 6250 \left[\left(\frac{27}{25} \right)^2 - 1 \right]$
 $= 6250 \times \left[\frac{729}{625} - 1 \right]$
 $= \frac{6250 \times 104}{625} = 1040$