

## IBPS Clerk Preliminary -2021. ICP-2021-11004

### HINTS & SOLUTIONS

#### ANSWER KEY

1. (1)	21. (2)	41. (5)	61. (3)	81. (3)
2. (3)	22. (4)	42. (1)	62. (4)	82. (3)
3. (4)	23. (1)	43. (4)	63. (2)	83. (1)
4. (5)	24. (3)	44. (3)	64. (2)	84. (4)
5. (5)	25. (5)	45. (2)	65. (4)	85. (1)
6. (3)	26. (5)	46. (4)	66. (2)	86. (1)
7. (2)	27. (2)	47. (5)	67. (5)	87. (5)
8. (2)	28. (2)	48. (1)	68. (3)	88. (2)
9. (1)	29. (3)	49. (1)	69. (1)	89. (4)
10. (4)	30. (2)	50. (3)	70. (3)	90. (4)
11. (1)	31. (1)	51. (1)	71. (1)	91. (5)
12. (2)	32. (5)	52. (5)	72. (5)	92. (2)
13. (4)	33. (4)	53. (5)	73. (3)	93. (3)
14. (2)	34. (4)	54. (2)	74. (1)	94. (1)
15. (3)	35. (5)	55. (1)	75. (4)	95. (3)
16. (3)	36. (3)	56. (1)	76. (5)	96. (1)
17. (4)	37. (2)	57. (1)	77. (4)	97. (4)
18. (5)	38. (4)	58. (3)	78. (3)	98. (5)
19. (2)	39. (3)	59. (3)	79. (2)	99. (3)
20. (4)	40. (3)	60. (4)	80. (2)	100. (2)

I.  $Z < W \leq V \leq U$  (False)  
 II.  $W \leq V \leq U < T$  (True)

9. (1)

I.  $P > O > M > L > K$  (True)  
 II.  $N > M < O$  (False)

10. (4)

I.  $B < A > D \leq E$  (False)  
 II.  $C > A > D \leq E$  (False)

(11- 15)

Persons	Belong to (city)	Study in (city)
G	Dehradun	Bangalore
H	Jaipur	Kanpur
I	Delhi	Lucknow
J	Kanpur	Patna
K	Lucknow	Gurgaon

11. (1)

12. (2)

13. (4)

14. (2)

15. (3)

(16 – 20)

16. (3)

Kovind → da  
 Ram → pa  
 nath → na  
 diamond/jubilee → ha/ja  
 on/suggested → ra/ta  
 attended → la  
 saturday → sa

#### HINTS & SOLUTIONS

(1 - 5)

Student	Fruit	Team
W	Orange	Football
Q	Mango	Cricket
S	Banana	Cricket
T	Papaya	Football
P	Strawberry	Hockey
U	Litchi	Football
V	Apple	Hockey
R	Guava	Hockey

1. (1)
2. (3)
3. (4)
4. (5)
5. (5)
6. (3)

I.  $H = K \geq J \geq L = F \geq G$  (False)  
 II.  $H = K \geq J \geq L = F \geq G$  (False)

7. (2)

I.  $U < T > S > R$  (False)  
 II.  $T > S > R > P$  (True)

8. (2)

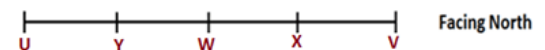
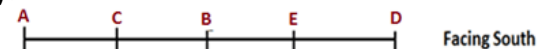
17. (4)

18. (5)

19. (2)

20. (4)

(21 – 25)



21. (2)

22. (4)

23. (1)

24. (3)

25. (5)

26. (5)

27. (2)

28. (2)

29. (3)

30. (2)

(31. 35)

Month	Matches
January	Football
February	Basketball
March	Hockey
April	Volleyball
May	Tennis
June	Badminton
July	Cricket

31. (1)  
32. (5)  
33. (4)  
34. (4)  
35. (5)  
36. (3)

Let the Simple Interest for one year is Rs I

$$P + 3I = 14160 \quad \dots(i)$$

$$P + 3.75I = 14700 \quad \dots(ii)$$

Less

$$0.75I = 540$$

$$I = \frac{540}{0.75} \times 100 = 720$$

$$\therefore P = 14160 - 3 \times 720 = 12000$$

Now,

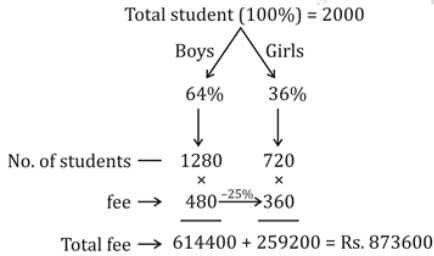
$$\text{Rate} = \frac{720}{12000} \times 100 = 6\%$$

37. (2)

$$\text{Required probability} = 1 - \frac{{}^{12}C_2}{{}^{14}C_2}$$

$$= 1 - \frac{66}{91} = \frac{25}{91}$$

38. (4)



39. (3)

In 20 litre of mixture

$$\text{Spirit} = \frac{3}{10} \times 20 = 6 \text{ litres}$$

$$\text{Water} = 20 - 6 = 14 \text{ litres}$$

In 36 litres of mixture

$$\text{Spirit} = \frac{7}{12} \times 36 = 21 \text{ litres}$$

$$\text{Water} = 36 - 21 = 15 \text{ litres}$$

$$\text{Required Ratio} = (6 + 21) : (14 + 15) = 27 : 29$$

40. (3)

$$A + B = 2 \times 20 = 40 \quad \dots(i)$$

$$B + C = 2 \times 19 = 38 \quad \dots(ii)$$

$$C + A = 2 \times 21 = 42 \quad \dots(iii)$$

On solving (i), (ii) and (iii)

$$A = 22 \text{ year, } B = 18 \text{ years, } C = 20 \text{ year}$$

41. (5)

$$\text{Jai's saving} = \frac{70}{100} \times 45,000 = 31,500$$

$$\text{Veer's saving} = \frac{55}{100} \times 50,000 = 27,500$$

Total saving of Jai and Veer in 2011

$$= 31,500 + 27,500$$

$$= 59,000$$

42. (1)

Jai total salary in 2010, 2013 and 2014

$$= 40,000 + 60,000 + 80,000$$

$$= 1,80,000$$

Veer's total salary in 2010, 2013 and 2014

$$= 60,000 + 40,000 + 60,000$$

$$= 1,60,000$$

Required Percentage

$$= \frac{20,000}{1,60,000} \times 100 = 12.5\% \text{ more}$$

43. (4)

Jai's average income

$$= \frac{40,000 + 45,000 + 60,000 + 60,000 + 80,000}{5}$$

$$= \frac{2,85,000}{5} = 57,000$$

Veer's average income

$$= \frac{60,000 + 50,000 + 70,000 + 40,000 + 60,000}{5}$$

$$= \frac{2,80,000}{5} = 56,000$$

$$\text{Required difference} = 57,000 - 56,000 = 1000$$

44. (3)

Amount spent by Jai on furniture

$$= \frac{2}{10} \times 60,000$$

$$= 12,000$$

Amount spend by Veer on furniture

$$= \frac{2}{7} \times 70,000$$

$$= 20,000$$

Total money spend on furniture

$$= 20,000 + 12,000$$

$$= 32,000$$

45. (2)

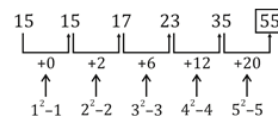
Total Amount spend by veer

$$= \frac{75}{100} \times 50,000 + \frac{65}{100} \times 70,000 + \frac{55}{100} \times 40,000$$

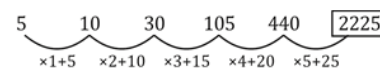
$$= 37,500 + 45,500 + 22,000$$

$$= 1,05,000$$

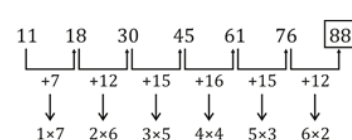
46. (4)



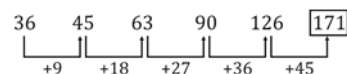
47. (5)



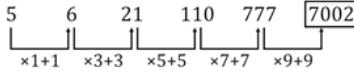
48. (1)



49. (1)



50. (3)



51. (1)

$$\frac{1}{3} \times 540 + \frac{x}{100} \times 200 \approx 700$$

Therefore  $x \approx 260$

52. (5)

$$\begin{aligned} ? &= (15.96)^2 + 75\% \text{ of } 285 \\ &\approx (16)^2 + \frac{75 \times 285}{100} \\ &\approx 256 + 213.75 = 469.75 \approx 470 \end{aligned}$$

53. (5)

$$? \approx \frac{900}{30} \times \frac{90}{300} \times \frac{600}{50} \approx 108$$

54. (2)

$$? \approx 25 \times 13 \times 17 \approx 5525$$

55. (1)

$$\begin{aligned} ? &\approx \frac{1300}{20} \times 25 + 400 \\ &\approx 1625 + 400 \approx 2025 \end{aligned}$$

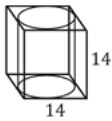
56. (1)

$$\text{No. of ways} = \frac{7!}{2!} = \frac{5040}{2} = 2520$$

57. (1)

$$\begin{aligned} A : B : C \\ x \times 12 : 2x \times 6 : 3x \times 4 \\ 1 : 1 : 1 \\ C' \text{ share} = \frac{1}{3} \times 27,000 = \text{Rs. } 9000 \end{aligned}$$

58. (3)



$$\begin{aligned} \text{Volume} &= \pi r^2 h \\ &= \frac{22}{7} \times 7 \times 7 \times 14 = 2156 \text{ cm}^3 \end{aligned}$$

59. (3)

Let the present age of A = x  
Present age of B = x + 8  
& Present age of C = x + 16

ATQ,

$$\frac{x+12}{x+28} = \frac{5}{9}$$

$$\Rightarrow x = 8$$

$$\therefore \text{Total sum} = 8 + 16 + 24 = 48 \text{ years}$$

60. (4)

Let 18 women can finish the job in x days

$$\begin{aligned} &= \frac{8 \times 10}{12 \times 20} + \frac{18 \times 16}{18 \times x} = 1 \\ &= \frac{1}{3} + \frac{16}{x} = 1 \\ &= \frac{16}{x} = \frac{2}{3} \\ \therefore x &= 24 \end{aligned}$$

61. (3)

$$\begin{aligned} 729 \times ? \div 81 - \sqrt{256} &= \sqrt{169} \times (125)^{\frac{1}{5}} \\ \frac{729 \times ?}{81} - 16 &= 13 \times 5 \\ 9 \times ? &= 65 + 16 \\ ? &= \frac{81}{9} = 9 \Rightarrow ? = 9 \end{aligned}$$

62. (4)

63. (2)

$$? = \sqrt{\frac{15625}{10000}} = \sqrt{\frac{5 \times 5 \times 5 \times 5 \times 5 \times 5}{10 \times 10 \times 10 \times 10}} = \frac{125}{100} = 1.25$$

$$\begin{aligned} (81)^{\frac{1}{4}} \times (16)^{\frac{1}{2}} \times \frac{85}{6} \div \frac{3}{150} &= \frac{?}{0.045} \\ \frac{3}{225} \times 4 \times \frac{85}{6} \times \frac{150}{3} &= \frac{?}{0.045} \\ ? &= \frac{1}{75} \times \frac{2}{3} \times 85 \times 50 \times \frac{45}{1000} \\ ? &= 1.7 \end{aligned}$$

64. (2)

$$\begin{aligned} ?^2 &= \sqrt{50+31} = \sqrt{81} = 9 \\ \therefore ? &= \pm 3 \end{aligned}$$

65. (4)

$$\begin{aligned} 20\% \text{ of } 8040 + 30\% \text{ of } 540 &= ?\% \text{ of } 3000 \\ 1608 + 162 &= ?\% \text{ of } 3000 \\ 1770 &= ?\% \text{ of } 3000 \\ ? &= 59 \end{aligned}$$

66. (2)

$$? = 1700 \times \frac{3}{5} \times \frac{2}{3} \times \frac{1}{8} = 1700 \times \frac{3}{5} \times \frac{2}{3} \times \frac{1}{8} = 85$$

67. (5)

$$\begin{aligned} 60\% \text{ of } ? + 72\% \text{ of } 625 &= 45\% \text{ of } 860 + 30\% \text{ of } 1710 \\ 60\% \text{ of } ? + 450 &= 387 + 513 \\ 60\% \text{ of } ? &= 900 - 450 \end{aligned}$$

$$? = \frac{450}{60} \times 100 = 750$$

68. (3)

$$\begin{aligned} ? &= 3 + \frac{6}{7} - 6 - \frac{1}{4} + 5 + \frac{1}{3} \\ &= (3 - 6 + 5) + \left(\frac{6}{7} - \frac{1}{4} + \frac{1}{3}\right) \\ &= 2 + \left(\frac{72 - 21 + 28}{84}\right) = 2 + \frac{79}{84} = 2\frac{79}{84} \end{aligned}$$

69. (1)

$$\frac{3^{3.5} \times 7^2 \times 3^2 \times 7^{2.5} \times 3^{2.5} \times 2^{2.5} \times 7^{3.5}}{2^{2.5}} = 21^7$$

$$7^{2+2.5+3.5} \times 3^{3.5+2+2.5} = 21^7$$

$$7^8 \times 3^8 = 21^7$$

$$(21)^8 = 21^7$$

$$? = 8$$

70. (3)

$$\begin{aligned} 650 \times \frac{24}{23} \times \frac{92}{100} \times \frac{1}{6} &= 85 + ? \\ \Rightarrow 104 &= 85 + ? \\ \Rightarrow ? &= 104 - 85 = 19 \end{aligned}$$

71. (1)

Refer to the sentence 'He could not find.....in search of work'.

72. (5)

Refer to the sentence "Please do not help him".....of the second para of the passage. From here we can understand that there is no concrete proof as why they told Krishnan not to save the man in the well

73. (3)

Refer to the sentence "You are.....bite me?".....of the second para of the passage. It was only after Nagesh's promise he came to the decision of Nagesh's rescue.

74. (1)

Refer to the sentence "He would be.....Ghanshyamdas".....of the fourth para of the passage.

75. (4)

Refer to the sentence, "He gave him.....delicious fruits".....of the third para of the passage. We can infer from this last sentence of the paragraph that he was offered delicious fruits by the monkey.

76. (5)

Refer to the sentence "I shall creep.....bite her..... hand on her forehead" of the seventh para of the

passage. They made a plan in which Nagesh would bite the queen and the queen will then be cured by Krishnan.

77. (4) Refer to the sentence, "A man brought .....prince who is missing" .....of the fifth para of the passage.
78. (3) Refer to the sentence "He at once.....pieces of gold" of the second last sentence of last para of the passage.
79. (2) Refer to the sentence "Finally, the king declared.....handsomely rewarded" of the eighth para of the passage from where we can infer that option (b) is the correct choice as the medicines had no effect on the condition of the Queen.
80. (2) The moral of the story can possibly be "A good deed never goes in vain". This is the most appropriate moral of the story as even after the Goldsmith's betrayal of him he was rescued by the snake who only helped him because of his good deeds.
81. (3) **Of his own (one's) accord** means voluntarily; of one's own free will.
82. (3) **In the limelight** means at the center of public attention or notoriety.
83. (1) I **ran out of** to finish, use, or sell all of something, so that there is none left:
84. (4) **scream blue murder** means make an extravagant and noisy protest.
85. (1) Lynch law means the punishment of supposed criminals, especially by hanging, by agreement of a crowd and without a genuine criminal trial.
86. (1)
87. (5)
88. (2)
89. (4)
90. (4)
91. (5)
92. (2)
93. (3)
94. (1)
95. (3)
96. (1)
97. (4) Change 'deterrent on' to 'deterrent to'.
98. (5) There is no error in the statement.
99. (3) Change 'and mental agony who he had to suffer' to 'and mental agony which he had to suffer'.
100. (2) 'One of the' is followed by superlative degree. So, 'worse' should be replaced by 'worst'.  
e.g. He is one of the worst dancers that I have seen so

