IBPS Clerk Preliminary -2021. ICP-2021-110021

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

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

7.(3) Only option (3) will suit the two blanks. 'Concentrate' should be followed by 'upon' and not 'to'; consider' (v. transitive) should be followed by a noun or pronoun (consider what or whom?)

8.(4) 'Continuing' here means 'ongoing'; dizzying refers to 'a very fast speed' or 'rapidly'.

9.(1) It is to be noted that 'harassment' cannot be called anything but a plain 'wrong'; it is not 'murder', 'killing', 'falsehood' or an 'offence'. So it should be clear that option (a) is the answer at the first glance. But even where the second blank is concerned, only 'excuse' will fit it well.

10.(2) Only 'inquisitive' and 'curious' will fit the first blank owing to the sentence that follows–'He likes to know how things work.' But only 'legitimate' of option (2) will suit the second blank, not 'philosophical' of option (4).

11.(3) Replace 'object' with 'objects'

12.(2) Replace 'in' with 'over'

13.(4) Replace 'lead' with 'leading'

14.(1) Replace 'state' with 'states'

15.(3) Replace 'have' with 'has'

16.(3) Correct use is 'he would have been fired' as it makes the sentence structure grammatically correct.

17.(5)

18.(4) Correct use is 'anger in this situation'

19.(1) Replace 'advertisement per hour' with ' advertising per hour of'

20.(3) Correct use is 'seem Greek'

21.(1) It is given in the third paragraph, that '' The advantage of textiles is they already have a 3D structure so they are great at absorbing light, which in turn speeds up the process of degrading organic matter'' from this we may infer that 3D structures are good absorber of light. Hence, (i) is true. According to the given passage it takes 30 minutes to prepare nanostructures and 6 minutes for the same to spontaneously clean themselves. Hence (ii) is not true. No such revolution has been discussed in the given passage, hence, (iii) is also not true. Hence, (1) is the correct option.

22.(4) It is given in the passage that nano-enhanced textiles can clean themselves in 6 minutes. Hence, (i) is not true. It is mentioned in the first paragraph that the newly developed textile is of low cost. Hence, we can infer that (ii) is true. The passage throws light on the light-absorbing property of only two metal-based nanostructures (copper and silver) but from this information, we cannot infer that all the metal-based nanostructures have the ability to absorb visible light. Hence, (iii) is also not true. Hence, (4) is the correct option.

23.(1) It is given in the first paragraph that "The process developed by the team has a variety of applications for catalysis-based industries such as agrochemicals, pharmaceuticals and natural products, and could be easily scaled up to industrial levels.'' this sentence shows the significance of the newly developed polymer in various industries. Please note that although option (2) is a universal fact, yet it can't be inferred from the given passage. Hence, (2) is not the correct option. According to the passage we do not need water to clean nanostructures. Hence (3) is also not true. Similarly, it is given in the second paragraph that 'advantage of textiles is they already have a 3D structure so they are great at absorbing light.'. Hence, (4) is also not correct Hence (1) is the correct option

24.(3) 'Scale up' means 'To make something large in size, especially a design or model'. Hence, (3) is the correct option

25.(1) The entire passage envisages about the future polymers having the ability to clean themselves with sunlight. Option (2) cannot be the correct option as it is specifically given in the passage that '' There's more work to do to before we can start throwing out our washing machines'' so this title is not apt. Similarly no other option sums up the given passage. Hence, (a) is the correct option.

26.(3) The 'Chemical based industries'are called the 'Catalysis-based' industries. Hence, (3) is the correct option

27.(4) 'Relevant' means 'closely connected or appropriate to the matter in hand.' Hence, 'significant' is the word which is most similar in meaning to it

28.(1) 'Spontaneously' means 'performed or occurring as a result of a sudden impulse or inclination'. Hence, 'Immediately' is the word which is most similar in meaning to it.

29.(1) 'Grime' means 'dirt ingrained on the surface of something.'. Hence 'cleanliness' is the word which is most opposite in meaning to it.

30.(5) 'Degrade' means 'break down'. Hence 'strengthen' is the word which is most opposite in meaning to it.

31.(2) Required difference = 1800 – 1150 = 650.

32.(5) $\text{Average number of people preferring rail} = \frac{850}{3}$

$\text{Average number of people preferring bus} = \frac{1150}{3}$

$\text{So, Difference} = \frac{1150}{3} - \frac{850}{3} = 100 \text{ million}$

33.(1) $\frac{375}{1050} \times 100 \approx 35.7\%$

34.(1) Required ratio $= \frac{375}{275} = 15:11.$

35.(3) $\text{Increased number of people preferring airlines} = 175+150 = 325$

$\text{So, percentage increase} = \frac{325-175}{175} \times 100 = 85.7\%$

36.(2) Required average $= \frac{259}{5} = 51.8 \approx 52.$

37.(1) Required difference = 314 – 288 = 26.

38.(3) Required percentage $= \frac{98}{114} \times 100 \approx 86\%$

39.(3) Required difference = (60% of 40) – (35% of 60) = 3.

40.(2) Required ratio $= \frac{290}{304} = 145:152$

41.(3) $\frac{x}{100} \times 540 = 603 - 360 \Rightarrow x = \frac{24300}{540} = 45.$

42.(1)

43.(4) $\frac{27}{8} \times \frac{22}{5} + x = 16$

$\Rightarrow x = 16 - \frac{27 \times 11}{20} = \frac{23}{20} = 1\frac{3}{20}$

44.(1)

45.(5) $448 - \frac{x}{100} \times 400 = 180 \Rightarrow x = \frac{268}{4} = 67.$

46.(2) 8.4 + 5.76 = 14.16.

47.(2)

48.(4) $35\left(\frac{15}{9}\right) - \frac{37}{3} \times \frac{2}{3} = 38\frac{5}{3} - \frac{74}{9}$

$= \frac{357-74}{9} = \frac{283}{9} = 31\frac{4}{9}.$

49.(5) 19 + 5508 = 5527.

50.(5) $\frac{(3)^{10} \times (3)^9}{3^{4.8}} = 3^{2x}$

$\therefore 2x = 14.2 \Rightarrow x = 7.1.$

51.(1) 12 × 2 + 1, 25 × 2 – 1, 49 × 2 + 1, 99 × 2 – 1, 197 × 2 + 1, 392 × 2 – 1 = 789

52.(4) There are two series –
34 + 3= 37, 37 + 3 = 40, 40 + 3 = 43
And 7 × 2 = 14, 14 × 2 = 28, 28 × 2 = 56

53.(1) $1^2 + 1, 2^2 - 1, 3^2 + 1, 4^2 - 1, 5^2 + 1, 6^2 - 1, 7^2 + 1$
Therefore $8^2 - 1 = 63.$

54.(4) There are two individual series
2 + 4 = 6, 6 + 4 = 10, 10 + 4 = 14
3– 3 = 0, 0 – 3 = –3, –3 – 3 = –6

55.(4) 5 × 2 = 10, 10 + 3 = 13, 13 × 2 = 26, 26 + 3 = 29, 29 × 2 = 58, 58 + 3 = 61, 61 × 2 =122

56.(2) Total number of ways $= \frac{7!}{3!}$ since D is repeated thrice = 840.

57.(2) $\text{Increase in total marks after correction} = 20$

$\text{So increase in average} = \frac{20}{20} = 1 \text{ i.e., New average} = 69$

58.(3) $\text{Capital ratio} = \frac{48000 \times 12}{56000 \times 5} = \frac{72}{35}$

$\text{So, Vidya's share on the profit} = \frac{35}{107} \times 5885 = \text{Rs } 1925$

59.(1) $\frac{3.20x}{2.50y} = \frac{4}{5} \Rightarrow \frac{x}{y} = \frac{5}{8}$

60.(3) Let CP = x, Therefore $996 - x = x - 894 \Rightarrow x = \text{Rs.}945.$

61.(5) $r = \frac{30240 \times 100}{84000 \times 3} = 12\%$

$\therefore CI = P\left[\left(1 + \frac{12}{100}\right)^3 - 1\right]$

$= \text{Rs } 34,013.95$

62.(3) Required probability $= \frac{{}^2C_1 \times {}^3C_2 + {}^2C_2 \times {}^3C_1}{{}^5C_3} = \frac{9}{10}$

63.(3) $\frac{d}{12} - \frac{d}{20} = \frac{18}{60} \Rightarrow d = 9 \text{ km.}$

64.(4) Let numbers are x & y

ATQ $x \times y = 640$ and $x + y = 32 + x - y$

On solving $y = 16$ so $x = \text{larger number} = 40$

65.(1) $\text{Expected S.P} = \frac{90}{100} \times 15000 = 13500$

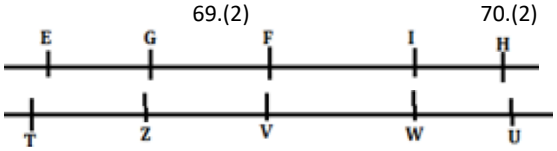
$\therefore \text{C.P.} = \frac{100}{108} \times 13500 = 12,500$

66.(5)

67.(3) 5KL ,3GF

68.(5) 69.(2) 70.(2)

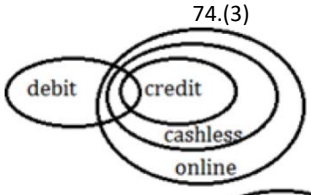
71-75.



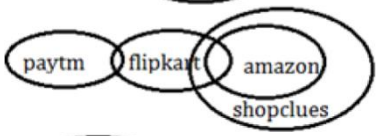
71.(2) 72.(4)

73.(1) 74.(3) 75.(5)

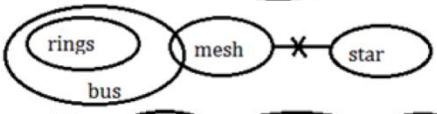
76.(5)



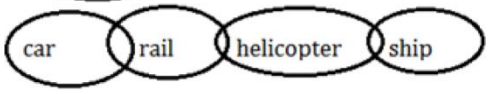
77.(1)



78.(3)

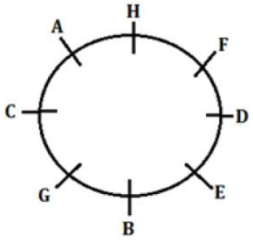


79.(4)



80.(2)

81-85.

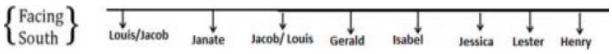


81.(1) 82.(4)
83.(3) 84.(2) 85.(5)

86-90. He - ma
who - co
knows - he
naina - mx
is/servant - mh/ox
a/good - la/sa
ram - kl
of - ze

86.(5) 87.(5)
88.(4) 89.(1) 90.(1)

91-95.



91.(4) 92.(4)
93.(2) 94.(3) 95.(1)

96.(1) D > C = E (True)
B ≥ C = E (False)

97.(2) S = Q ≥ P (False)
S = Q > M ≥ N (True)

98.(4) V = S (False)
Q > M (False)

99.(1) S ≥ V = U > T (True)
V ≥ Q (False)

100.(1) E = J > L ≥ W (True)
M ≥ N > R > W ≤ L (False)