

IBPS Clerk Prelims -2021. ICP-2021-11007 **HINTS & SOLUTIONS**

ANSWER KEY

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

(1 - 5)B sits third to the right of D and one of them sit at an extreme end. P is an immediate neighbor of the one who faces B. E sits to the immediate left of B. So, from this

there will be two possible cases---

Only one person sit between P and R. The one who faces R is an immediate neighbor of A. C faces Q. Q is not an immediate neighbor of P. So, now we get two possible cases—

Only one person sit between the one who faces A and S. T is to the right of Q. So, case – 1 gets eliminated so, the final arrangement is---

A E B

2. (5)

3. (4)

4. (2)

5. (2)

8.(1)

6.(1) I. N < K (True)

II. P < D (false)

I. U > J (False) 7.(2)

II. $K \ge L$ (True) I. E > F (True)

II. $J \ge S$ (False)

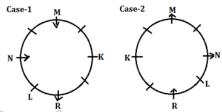
9.(2) I. C < K (False)

II. $D \le S(True)$

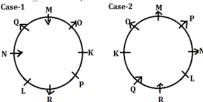
10.(5) I. N > T (True)

II. M > I (True)

(11 – 15) K sits second to the left of M. Only two persons sit between K and L who is not an immediate neighbor of M. N sits second to the right of R but none of them is an immediate neighbor of K. Both M and N faces same direction but opposite to R. So, from this there will be two possible cases---



Q sits second to the left of O and O faces outside the center. Q sits opposite to P and faces opposite direction from each other. Q faces same direction as R.



K faces opposite direction of L. L sits third to the right of K. L does not face outside the center. From this case -2gets eliminated. Both the immediate neighbors of K faces opposite direction to each other. So, the final arrangement is ---



11.(3)

12. (3)

13.(2)

14.(4) 15. (2)

(16 - 20)

1. (4)



Enjoy	Со
Free	Jo
Fly	Do
Is/high	Bo/to
Laugh	Yo
Think	Qo
Kite	Ro
Show	Po
Bird	So
Cry	no

16.(1)

17.(2)

18.(3)

19. (4)

20. (1)

(21 – 25) Box G is placed immediately above box V. Three boxes are placed between G and Z.

Boxes	Boxes
G	Z
V	
Z	G
	V

Only two boxes are placed between box U and X. Only one box is placed between box U and F.

					11011	
Case-1	Case-2	Case-3	Case-4	Case-5	Case-6	Case-7
Boxes						
F	G	G	G	X	U	Z
	V	V	V		Z	F
U	X	X		Z	F	
G	F		U	U	X	U
V	Z	Z	Z			G
X	U	U	F	F	G	V
			X	G	V	X
7.		F		V		

Not more than one box is placed between box F and Y. Box H is placed below box Y. From this case – 2,3, 4, 5 gets eliminated. Box X is not placed at the bottom.

Case-1	Case-6	Case-7
Boxes	Boxes	Boxes
F	U	Z
Y	Z	F
U	F	Y
G	X	U
V	Y	G
X	G	V
Н	V	X
Z	Н	Н

Box Z is neither placed at top nor above box Y. So, from this case – 6 and case – 7 gets eliminated. So, the final arrangement is—

Boxes	
F	
Y	
U	
G	
V	
X	
Н	
Z	

21. (2)

22. (4)

23. (1)

24. (1)

25. (3)

(26 - 30) Only one person is going for inauguration between S and U and both of them are going on an odd date of the month. T goes in a month having 30 days but before U. W goes immediately before R but in the same month. Three person goes in between R and V.



Months	11th	28th			
September	S	T			
(30)					
October (31)	U	V			
November					
(30)					
December (31)	W	R			

11th	28th
	T
S/U	V
S/U	
W	R
	S/U

Case-3:				
Months	11th	28th		
September (30)		T/		
October (31)	W	R		
November (30)	S/U	T/		
December (31)	S/U	V		

More than one person goes between S and Y. From this case - 3 will get eliminated. So, the final arrangement is -

Months	11th	28th
September (30)	X	T
October (31)	S	V
November (30)	U	Y
December (31)	W	R

27. (2)

28. (4)

29. (4)

30. (5)

31.(5)

From II, P > A > OFrom I and II, we get that R got the lowest marks.

	From I and II,	
1	Floors	Persons
ı	5	S/V
	4	T
i	3	S/V
	2	U

From I, Y > R and O > S > J

33.(5)

From I,



From II,





From I and II,



34. (5) Code for RACE – 7325

35. (3) Given word - BRIGHT

After rearrangement - BGHIRT



36.(2)



Area of circle = 288 m^2 $\Rightarrow \pi r^2 = 288 \pi$

 \Rightarrow r = 12 $\sqrt{2}$ m.

Diagonal of square = $a\sqrt{2}$ = diameter of circle = $2 \times 12\sqrt{2} = 24\sqrt{2}$ \Rightarrow a = 24 m (where a = side of square)

Area of square = $(a)^2 = (24)^2 = 576 \text{ m}^2$

37. (5)

$$\frac{40}{100} \times (X + 2000) = 1300 \Rightarrow X = 1250$$

$$\frac{60}{1200} \times (1250 + Y) = 1830 \Rightarrow Y = 1800$$

$$X: Y = 1250: 1800 = 25: 36$$

38. (1)

Let present age of P and Q be 'x' and 'y' years respectively.

ATQ,

x + y = 52 ...(i) and.

 $\frac{x+4}{y-2} = \frac{4}{5} \Rightarrow 5x + 20 = 4y - 8$ $\Rightarrow 5x - 4y = -28...(ii)$

From (i) and (ii)

x = 20 years.

P's age 5 years hence = 25 years.

39.(3)

Let the quantity of water and alcohol in the initial

mixture be 8x lit and 5x lit respectively.

ATQ,

 $\frac{5x}{8x+4} = \frac{5}{9}$

 \Rightarrow 45x = 40x + 20

 \Rightarrow x = 4

Quantity of initial mixture= $13x=13 \times 4 = 52$ lit

40.(2)

Let the speed of current be $x \, km/hr$.

And speed of boat in still water = (x + 5) km/hr

ATQ,

 $\frac{2x+5}{x+5} = \frac{4}{3}$

 $\Rightarrow 6x + 15 = 4x + 20$

 $\Rightarrow 2x = 5$

Speed of boat in downstream = (2x + 5) km/hr = 10 km/hr

Required distance = $10 \times 3 = 30 \text{ km/hr}$

41.(4)

Let total watches manufactured in year 2017 = 700x

(28% - 20%) of 700x = 11200

 $7 \times 8x = 11200$

x = 200

Number of type A watches manufactured in year 2018

 $=\frac{120}{100}\times700\times200\times\frac{12}{100}$

42.(1)

Let, total no. of watches in 2017 be x.

Then, $\frac{1}{2} \left[\frac{(12+28)}{100} \times x \right] = 16100$

 $\Rightarrow \frac{1}{2} \times \frac{2}{5} x = 16100$

or, $x = 16100 \times 5$

Total no. of watches in 2018 = $\frac{16100 \times 5}{7} \times 8 = 92000$

43.(3)

Total no. of watches in 2018 = 2568 $\times \frac{100}{25}$

= 25600 × 4

= 102400

Total no. of watches in 2017 = 89600

No. of watches of type B and D in 2017 = $\frac{(12+20)}{100} \times 89600$ = 28,672

44.(2)

Let the total number of watches manufactured in 2017 and 2018 is 7x and 8x respectively

Required ratio = $\frac{\frac{25}{100} \times 7x}{\frac{30}{100} \times 8x}$

 $=\frac{5\times7}{6\times8}$ = 35

45.(3)

46. (2)

Let total no. of watches manufactured in 2017 = 700

Then, total no. of watches manufactured in 2018 = 800 No. of all type of watches except type B in 2017

= 560

No. of type B watches in 2018 = 800 - 560 = 240 Required percentage change = $\frac{(240-140)}{140} \times 100$

 $=\frac{5}{2} \times 100$

= 71%

I = A - P

 $\frac{P \times 5 \times 6}{122} = 2613 - P$

or, $2613 = P + \frac{30P}{100} = \frac{130P}{100}$

or, P = 2010

Interest when amount becomes 3015

= 3015 - 2010 = 1005

 $1005 = 2010 \times \frac{5}{100} \times n$

or n = 10 years.

Quantity I < Quantity II

47. (1)

49. (2)

Quantity I:

 $\frac{4}{3} \times \pi \times 6.7 \times 6.7 \times 6.7 = \frac{1}{3} \times \pi \times r^2 \times 26.8$

Quantity II: 5.95 cm

Quantity I > Quantity II

 $A:B:C=A:\frac{5A}{4}:\frac{5A}{6}$

Amount of C = $\frac{10}{37}$ × 8880 = 2400

Quantity I = Quantity II

Let, initial amount of acid = 20 ℓ

Initial amount of water = 80 ℓ

For this 20 ℓ to be 50% of solution,

Total solution must be 40ℓ

Final amount of water = 20ℓ

Required\% = $\frac{(80-20)}{80} \times 100$

 $=\frac{60}{80}\times100=75\%$

Quantity I < Quantity II

Let, total money be x.

Then, total interest = $\frac{x}{3} \times \frac{15}{100} \times 1 + \frac{2x}{3} \times \frac{18}{100} \times 1$

Hence, 17%

Quantity I > quantity II

51.(1)

50.(1)



$$7072 \div \left(\frac{884 \times 16}{100}\right)$$

$$=30 \times \frac{13}{12} \times \frac{?}{39}$$

$$\Rightarrow$$
 50 × 6 = 5 × ?

$$\Rightarrow ? = \frac{50 \times 6}{5} = 60$$

$$(13 + 2\sqrt{5})^2 = ? \times \sqrt{5} + 189$$

$$\Rightarrow$$
 169 + 20 + 2 × 13 × 2 $\sqrt{5}$ = ? × $\sqrt{5}$ + 189

$$\Rightarrow 189 + 52 \times \sqrt{5} = ? \times \sqrt{5} + 189$$

53.(1)
$$\frac{?}{\sqrt{128}} = \frac{\sqrt{162}}{?}$$

$$(?)^2 = \sqrt{64 \times 2} \times \sqrt{81 \times 2} = 8 \times 9 \times 2 = 144$$

$$? = \sqrt{144} = 12$$

54. (2)
$$8\sqrt{?} \div 14 \times 3 + 9 = 21$$

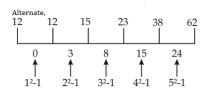
$$\frac{8\sqrt{?}}{14} \times 3 + 9 = 21$$

$$\frac{24\sqrt{?}}{14} + 9 = 21$$

$$\sqrt{?} = 7$$

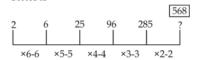
56.(3) Series is





57.(4)

58.(2) Series is



59.(5) Series is



61.(2)

62.(5)

[(135)² ÷ 15 × 39] ÷? = 13 × 15
or,
$$\left[135 \times \frac{135}{15} \times 39\right]$$
 ÷? = 13 × 15

63.(5)

64.(1)

65.(1)

(66 - 70)

Or, ? = 14168 - 6474 = 7694

$$\frac{1272}{?} = 1382 - 1170$$
Or, $\frac{1272}{?} = 212$ $\therefore ? = \frac{1272}{212} = 6$

 $10^{?} = 10^{37} \times 10^{-33}$

Population of sector A= 26000 $\times \frac{21}{52}$ = 10,500

Population of sector B= $26000 \times \frac{16}{52} = 8,000$

Population of sector C= $26000 \times \frac{21}{52} = 7,500$

Let number of females in sector A and number of males in sector C be 9x and 8x respectively

Number of males in sector A=(10,500-9x)

Number of females in sector C= (7,500-8x)

$$(10,500-9x)-(7,500-8x)=2500$$

$$\Rightarrow x = 500$$

Number of females in sector A = 4,500

Number of males in sector A= 10,500-4,500= 6,000

Number of males in sector C= 4,000

Number of females in sector C= 7,500-4,000= 3,500

Number of females in sector $B = \frac{70}{100} \times 6,000 = 4,200$

Number of males in sector B = 8000 - 4200= 3,800

Sector	Males	Female	Totals
A	6,000	4,500	10,500
В	3,800	4,200	8,000
С	4,000	3,500	7,500

Required difference = $\frac{6000+3800}{2} - 4,500 = 400$

Working females of sector A = $\frac{68 \times 4500}{100}$ = 3060 Working females of sector B = $\frac{85 \times 4200}{100}$ = 3570

Required $\% = \frac{3570-3060}{3060} \times 100 = 16^{2} \%$

68.(1)

66.(3)

67.(5)



Required
$$\% = \frac{(6000+4000)}{18,000} \times 100 = 55\frac{5}{9}\%$$

- 69.(4) Required ratio = $\frac{(4500+4200+3500)}{(6000+3800+4000)}$ $=\frac{12,200}{13,800}=61:69$
- 70.(2) Required difference $=\left(\frac{(4000+3800)}{...}-\frac{(4200+3500)}{...}\right)=50$
- 71. (3) Option (c) is the correct answer choice. Option (c) can be traced from the 1st paragraph of passage "the zebrash has the ability to completely regenerate its retina and restore vision after an injury."
- 72.(2) Option (b) is the correct answer choice. Option (b) can be traced from the 1st paragraph of passage "A particular signaling system — sonic hedgehog (Shh) — in zebrafish has been previously reported to aid in developmental and tissue regeneration activities."
- 73.(2) Option (b) is the correct answer choice. Option (b) can be traced from the 1st paragraph of passage where it is stated". Since this signaling is also responsible for retina regeneration in zebrafish, the researchers are trying to understand why the signaling does not bring about retina regeneration in humans."
- 74. (4) Option (d) is the correct answer choice. Option (d) can be traced from the 2nd paragraph of passage where it is stated as "Zic2b and foxn4 are essential components for development and tissue regeneration, whereas mmp9 is an enzyme which makes the environment congenial for freshly formed cells."
- 75.(3) Option (c) is the correct answer choice. Option (c) can be traced from the 2nd paragraph of passage where it is started as "During a injury, you need the proliferation of cells that let - 7 is capable of blocking. So Lin28a steps in action, clears or scavenges let - 7 and allows differentiated cells to be transformed into multipotent stem cells, which aid in regeneration."
- 76.(5) Stark – complete; sheer Utter – complete; absolute. So the best answer choice is option (e).
- 77.(1) Impairing – weaken or damage (something, especially a faculty or function) Option (b) and (c) are the antonyms of the given word. So the best answer choice is (a) Quirking – (with reference to a person's mouth or eyebrow) move or twist suddenly.
- 78. (1) Option (a) is the most suitable answer choice. Bring about to make something happen, especially to cause changes in a situation all other given options are the meanings of different phrasal verbs.
- 79.(5) Congenial – (of a thing) pleasant or agreeable because suited to one's taste or inclination. All the given options are the synonyms of the given word 'congenial' except option (e). So the best answer choice is option(e).
- 80.(4) Insights – the capacity to gain an accurate and deep understanding of someone or something. All the given options are the synonyms of the given word 'insights' except option(d). So the best answer choice is option (d).
- 81.(1) The correct sequence of the phrases is BCDE making the sentence meaningful. Phrase (A) does not provide any meaning with respect to the other phrases and hence is irrelevant here. Phrases (C) and (D) can easily be identified as interlinked. All the other sequences fail to make the sentence comprehensive. Hence option (a) is the correct choice to be made.

- 82. (2) The correct sequence of the phrases is ABDC making the sentence meaningful. Phrase (E) does not provide any meaning with respect to the other phrases and hence is irrelevant here. Phrases (D) and (C) can easily be identified as interlinked as phrase (D) mentions about a new charter [a written grant by the sovereign or legislative power of a country, by which a body such as a borough, company, or university is created or its rights and privileges defined] which finds connection with phrase (C) of the sentence. All the other sequences fail to make the sentence comprehensive. Hence option (b) is the correct choice to be made.
- 83. (5) The given sentence is properly assembled and doesn't require any changes or restructuring. All the parts of the sentence help to make the sentence comprehensive, logical and grammatically error free. Hence, the correct answer key is option (e).
- 84. (3) The phrases can be arranged in a sequence of DEBA. However, clause (C) fails to coherently become a part of the sentence. Parts (B) and (A) can be contextually interlinked with each other. Moreover, parts (E) and (B) also form a coherent pair. Hence, by eliminating part (C), option (c) becomes the most suitable answer choice.
- 85.(4) The correct sequence that makes the sentence grammatically and contextually correct is CDAE. This can be verified as the parts (C) and (D) frame a logical pair providing a coherent meaning. None of the given options provide these parts in a consecutive manner. Moreover, part (B) fails to become the part of the sentence in a coherent manner. Hence, option(d) is the most suitable answer choice.
- 86.(2) The error lies in part (B) of the sentence. It is to be noted that no sooner is used to show that one thing happens immediately after another thing. It is often used with the past perfect, and usually followed by 'than'. Thus, to correct the syntax of the sentence, "when" should be replaced "than".

Since, all the other parts of the sentence are correct,

- option(b) is the most suitable answer choice. 87.(1) The error lies in part (A) of the sentence. "instead" which means as a substitute or alternative to; in its place creates a contextual error in the part (A) of the sentence. To correct the sentence, replace "instead" with "Although". All the other parts of the sentence are grammatically as well as contextually correct. Therefore, option (a) is the most suitable answer choice.
- 88.(1) Part (D) of the sentence contains a grammatical error. It is to be noted inversion is used when & quot; wh & quot; family words are used to ask questions. Here the question is not asked, so inversion cannot be used. All the other parts of the sentence are grammatically as well as contextually correct. Therefore, option (d) is the most suitable answer choice.
- 89.(4) The error lies in part (D) of the sentence. It is to be noted that when discussing time, the two prepositions you use are "for" and "since." When using the word "for" you are measuring time and when using the word "since" you are referring to a specific time. Thus, 'for' should be replaced by 'since'. All the other parts of the sentence are grammatically as well as

contextually correct. Therefore, option (d) is the most suitable answer choice.



- 90.(5) All the parts of the given statement are grammatically correct and contextually meaningful. Since the sentence does not require any corrections, option(e) becomes the most suitable answer choice.
- 91.(1) The blank can be filled with the word 'Eccentric' making the sentence meaningful. *Eccentric* means a person of unconventional and slightly strange views or behaviour. Other words are irrelevant and do not fit in the context of the sentence here. Hence option (a) is the correct choice.
- 92.(3) The blank can be filled with the word 'chronic' making the sentence meaningful. In sentence [I] chronic means (of an illness) persisting for a long time or constantly recurring while in sentence [II] it means of a very poor quality. Other words are irrelevant and do not fit in the context of the sentence here. Hence option (c) is the correct choice.

Impulsive means acting or done without forethought. **Aberrant** means departing from an accepted standard.

93.(4) The blank can be filled with the word 'Aberrant' making the sentence meaningful. Aberrant means departing from an accepted standard or diverging from the normal type. Other words are irrelevant and do not fit in the context of the sentence here. Hence option (d) is the correct choice.

Auspicious means conducive to success; favorable.

Thriving means prosperous and growing; flourishing
94.(2) The blank can be filled with the word 'Oblivious' making
the sentence meaningful. **Oblivious** means not aware of
or concerned about what is happening around one.
Other words are irrelevant and do not fit in the context
of the sentence here.

Hence option (b) is the correct choice.

Astute means having or showing an ability to accurately assess situations or people and turn this to one's advantage.

Facile means (especially of success in sport) easily achieved; effortless

Adroit means clever or skillful.

95.(5) The blank can be filled with the word 'proficient' making the sentence meaningful. **Proficient** means competent or skilled in doing or using something. Other words are irrelevant and do not fit in the context of the sentence here. Hence option (e) is the correct choice.

Naïve means (of a person or action) showing a lack of experience, wisdom, or judgement.

Candid means truthful and straightforward; frank. **Scrupulous** means (of a person or process) careful, thorough, and extremely attentive to details.

- 96.(2) The paragraph is describing about a policy introduced by CEAT in its working culture of permitting its employees to work from remote areas. The most suitable word that will coherently fit in the given blank is "permits" or a word similar in meaning. However, "complies" means act in accordance with a wish or command. Therefore, it fails to fit coherently in the given paragraph. Hence, option(b) is the most suitable answer choice.
- 97.(1) Since the paragraph is describing about a policy introduced by CEAT in its working culture of permitting its employees to work from remote areas. The most suitable word for the given blank becomes "deem" or a word with similar meaning. However, scrutinize which means examine or inspect closely and thoroughly fail to

provide coherence to the given paragraph. Hence, option (a) becomes the most suitable answer choice. Deem means regard or consider in a specified way. Presume means suppose that something is the case on the basis of probability.

98.(4) The sentence is describing the policy of abolishing the policy of mandatory attendance recording. The most suitable word to comply with the theme of the paragraph is "scrapped" or a word similar in the meaning. However, "hoarded" which means accumulate (money or valued objects) and hide or store away. Therefore, it does not comply with the theme of the paragraph. Hence, option (d) is the most suitable answer choice.

Dismissed means deliberately cease to think about. Eliminated means completely remove or get rid of (something).

Scraped means abolish or cancel.

99.(5) The paragraph is describing about a policy introduced by CEAT it its working culture of permitting its employees to work from remote areas. The most suitable word that will coherently fit in the given blank is "flexible" or a word similar in meaning. However, "brittle" means hard but liable to break easily. Therefore, it fails to fit coherently in the given paragraph. Hence option(e) is the most suitable answer choice.

Fluid means not settled or stable; likely or able to change.

100.(3) The theme of the paragraph is describing about a policy introduced by CEAT in its working culture of permitting its employees to work from remote areas. The most suitable word that will coherently fit in the given blank is "tweaking" or a word similar in meaning. However, "resizing" means alter the size of (something, especially a computer window or image). Therefore, it fails to fit coherently in the given paragraph. Hence, option (c) is the most suitable answer choice.

Tweaking means improve (a mechanism or system) by making fine adjustments to it. Altering means change in character or composition, typically in comparatively small but significant way.

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