## **IBPS PO Preliminary–IPP-2021-11001**

## **HINTS & SOLUTIONS**

21. (5)

22. (3)

23. (2)

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

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## **HINTS & SOLUTIONS**

- 1. (4) 2. (5)
- 3. (1)
- 4. (2)
- 5. (3)
- 6.(1) 7. (5)
- 8. (2)
- 9. (1)
- 10. (4)
- The use of "back" after "returned" is not required as it 11. (2) is Superfluous. The word "return" itself means "go back, come back, give back".
- 12.(1) Replace 'than' by 'as' as in the case of Positive Degree, comparison between two persons or things follows the following syntax- " as/so + Positive Degree + as". e.g. Ram is not as/so handsome as Mohan. Sita is as beautiful as Mohini.
- Replace 'has' by 'have' as in this case "The majority" is used 13.(4) as Noun of Multitude and Noun of Multitude is considered as Plural which takes *Plural Verb* and **Plural Pronoun**. Also, the last part of the sentence has used the Plural Pronoun " they", so the Verb for "The majority" should also bePlural.
- 14.(3) Replace "there has not always been schools" by "there have not always been schools" as when "there" is used

as Introductory Subject then the Verb it follows depends on the Number and Person of

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subsequent Noun and Pronoun it follows. In the first part of the sentence, the use of Verb "has" for the Subject "There" is Singular as it is followed by Singular Noun " form" but in the second part of the sentence. Subject "there" is followed byPlural Noun "schools"; so "there" should be followed by Plural Verb.

- All the given sentences are grammatically correct. 15. (5)
- 16. (1) Accretion means growth or increase by the gradual accumulation of additional layers or matter.
- 17. (4) Pliable means easily bent; flexible.
- 18. (5) Feudal means absurdly outdated or old-fashioned.
- 19. (2) Precept means a general rule intended to regulate behaviour or thought. 20. (1)
  - Bonhomie means cheerful friendliness; geniality.
  - Refer the first paragraph of the passage, "An environment that triggered large inflows of foreign capital and a surge in credit after 2003 encouraged banks to explore new areas and terms of lending, which are responsible for the large exposures that are now turning bad. Having encouraged that environment with its policies, the government pretended that the problem was not serious enough to warrant emergency action." Hence all three statements are the possible reasons behind the crisis of NPAs.
  - Refer the third paragraph of the passage, "Realising that postponing bad debt recognition could result in the accumulation of stressed assets in bank balance sheets sufficient to create a systemic problem, the Reserve Bank of India (RBI) instituted an asset quality review in 2015 to reclassify assets and reverse the practice of treating all restructured assets as standard assets." Hence both the statements (I) and (II) are correct in context of the passage.
  - Refer the last paragraph of the passage, "According to the Care Ratings figures referred to earlier, 24 PSBs accounted for 88.2 per cent of the total NPAs with the public and private banks." Hence statement (2) is true in context of the passage.
- 24. (2) Refer the last paragraph of the passage, "As the Economic Survey 2016-17 recognised, in normal circumstances this would have threatened the banks concerned with insolvency, perhaps triggered a run on the banks, forced their closure and even precipitated a systemic crisis. India is fortunate that a large part of its banking system is owned by the government." Hence it can be inferred from the passage that the author is trying to figure that with the backing of the government Indian banks are able to sustain even the adverse conditions. Hence only statement (II) is correct in context of the passage.

"Wicked loans and bad banks" is the most appropriate title 25. (3) of the passage as "Wicked" and "bad" the adjectives added to loans and Indian banks portray the chinks in our centuries old banking system, which lacks nerve to crack a whip on defaulting bulls. Hence (3) is the correct option.

26. (3) Refer the second last paragraph of the passage, "The problem is that this is not happening because a large number of projects to which money had been lent during the boom period that preceded 2011-12, when investment rates rose sharply, were not ones to which the banking system should have been exposed. As these projects are all entering the period when they find themselves unable to service their



debt, loans are turning non-performing in quick succession. This trail of defaults is ensuring that the NPA ratio is not stabilizing..." Hence both statements (II) and (III) are correct in context of the passage.

- 27. (2) Warrant means justify or necessitate (a course of action). Vindicate means show or prove to be right, reasonable, or justified. Hence both are similar in meanings.
- 28. (4) Precipitate means cause (an event or situation, typically one that is undesirable) to happen suddenly, unexpectedly, or prematurely. Expeditemeans make (an action or process) happen sooner or be accomplished more quickly. Hence both are similar in meanings.

29. (5) Stringent means (of regulations, requirements, or conditions) strict, precise, and exacting. Hence " flexible" is the word most opposite in meaning to it. Somber means having or conveying a feeling of deep seriousness and sadness. Poignant means evoking a keen sense of sadness or regret. Unrelenting means not giving way to kindness or compassion. 30. (3) Requisite means made necessary by particular circumstances or regulations. Peripheral means of secondary or minor importance; marginal. Hence both are opposite in meanings. Prepossession means a prejudice or a preconceived idea about something.

**Stipulation** means a condition or requirement that is specified or demanded as part of an agreement.

- 31. (1) On (i)x6 (ii)x4 4x + 3y = 40 ......(i) × 6 6x - 5y = 22 ......(ii) × 4 38y = 152  $\therefore y = \frac{152}{38} = 4$ Putting the value of y in equation (i), we have  $4x + 3 \times 4 = 40$ Or, 4x = 40 - 12 = 28  $\therefore x = 7$ Hence, x > y
- 32. (2)  $2x^{2} 4x \sqrt{13}x + 2\sqrt{13} = 0 \dots (i)$ Or,  $2x(x-2) - \sqrt{13}(x-2) = 0$ Or,  $(x-2)(2x - \sqrt{13}) = 0$   $\therefore x = 2, \frac{\sqrt{13}}{2}$   $10y^{2} - 18y - 5\sqrt{13y} + 9\sqrt{13} = 0 \dots (ii)$ Or,  $2y(5y-9) - \sqrt{13}(5y-9) = 0$ Or,  $(2y - \sqrt{13})(5y - 9) = 0$   $\therefore y = \frac{9}{5}, \frac{\sqrt{13}}{2}$ Hence,  $x \ge y$
- 33. (5)  $6x^{2} + 17 3x^{2} 20 = 0 \dots (i)$ Or,  $3x^{2} = 3$   $\therefore x = \pm 1$   $5y^{2} - 12 - 9y^{2} + 16 = 0 \dots (ii)$ Or,  $4y^{2} = 4$  $\therefore y = \pm 1$
- Hence x = y 34. (2) 13x + 17 = 134 ...(i)  $\therefore x = \frac{117}{13} = 9$ 
  - $(361)^{1/2} y^2 270 = 1269$ Or,  $19y^2 = 1269 + 270 = 1539$  $y^2 = \frac{1539}{19} = 81$ Therefore y = ±9

Hence,  $x \ge y$ 

- 35. (4)  $64x^2 = 256 \dots (i)$ Or,  $x^2 = 4 \therefore x = \pm 2$   $14y^3 - 12y^3 = 16 \dots (ii)$ Or,  $2y^3 = 16$   $\therefore y^3 = 8 \therefore y = 2$ Hence  $x \le y$
- 36. (2) Let length = x Width =  $\frac{65}{100}(x) = \frac{13}{20}x$

Area of the rectangle = length x breadth = 2340

$$\Rightarrow$$
 x  $\times \frac{13}{20} \times$  x = 2340

$$\Rightarrow x^2 = 3600 \Rightarrow x = 60$$

Length = 60, Width = 
$$\frac{65}{100}$$
 x 60 = 39

Difference between length and windth = 60 - 39 = 21 metre

38. (5) 39. (3)

Cylinder diameter = 22,  $r_1 = 11$ ,  $h_1 = 13.75$  m Volume of the cylinder

$$r^{2}h = \frac{22}{7} \times 11 \times 11 \times 13.75 = 5228.92857$$

Let  $r_1$  and  $r_2$  are the internal and external radius of embankment.

Let  $h_1$  and  $h_2$  are the heights of the well and embankment.  $r_2 = r_1 + embankment$ ,  $r_2 = r_1 + 8.25 = 11 + 8.25 = 19.25I$ . Volume of embankment = volume of the well

$$(\mathbf{r}_2^2 - \mathbf{r}_1^2)\mathbf{h}_2 = \pi \mathbf{r}_1^2 \mathbf{h}_1$$
  
 $\pi ((19.25)^2 - (11)^2 \times \mathbf{h}_2 = \pi \times (11)^2 \times 13.25$ 

 $h_2 = 6.66m$ 

40. (4) Volume of cylinder =  $\pi r^2 h$ ; Volume of Sphere =  $\frac{4}{3}\pi r^3$ Let no. of spheres = 'n', r = 3 cm (cylinders),

r = 4.5(sphere)

$$\Rightarrow \pi r^2 h = \frac{4}{3} \pi r^3 x n$$

$$\Rightarrow$$
 3 x 3 x 94.5 =  $\frac{4}{3}$  x 4.5 x 4.5 x 4.5 x n  $\Rightarrow$  n = '7'

- 41. (5) Total population is A = 12 lakh Total population is B = 13 lakh Total population is C= 13 lakh Total population is D = 13 lakh Total population is E = 14 lakh
- Lowest or min. Population is in A city
  42. (4) Total population in A [after increment] = 7 lakh × 1.1 + 5 lakh = 12.7 lakh Total population in B [after increment] = 5 lakh × 1.2 + 8 lakh = 14 lakh Desired difference = 1.3 lakh
  42. (2) A function of a last in B C B in the S lakh+7 lakh+10 lakh

43. (3) Average no. of males in B, C, D is = 
$$\frac{22 \text{ lakh}}{3}$$

Average no. of females in C, D, E =  $\frac{6 \text{ lakh} + 3 \text{ lakh} + 6 \text{ lakh}}{3}$ =  $\frac{15 \text{ lakh}}{3}$ Deserved ratio =  $\frac{22/3}{15/3} = \frac{22}{15}$ 



44. (2)	Total no. of females	55. (1)	8 x 1.1 = 8.8
	= (5+8+6+3+6) lakh		16 x 2.2 = 35.2
	= 28 lakh		24 x 3.2 = 76.8
	Total population = (12 + 13 + 13 + 13 + 14) lakh		32 x 4.2 = 134.4
	= 65 lakh		40 x 5.2 = 208
	% of females = $\frac{28}{100} \times 100 \approx 43\%$		48 x 6.2 = 297.6
	65 65	56. (2)	$P = 45000 \times 12$
45. (4)	Increment is in the total population, since we don't know		$Q = 54000 \times 6$
	increment in population of male or female, so we can't find		R — 30000×8
16 50	out the ratio.		Katio of their profit = $45 : 27 : 20$
40-30.	= 27000 - (23000) = 4000		$\therefore$ Total profit earned = $\frac{32}{45} \times 13500$
	No. of English books sold by shop $F = 20000 - 15000 = 5000$		= 27600
	No. of computer books sold by shop D	57 (4)	$Principal = \frac{S.I.\times 100}{100}$
	= 29000 - 22000 = 7000	57.(4)	Time×Rate
	No. of GA books sold by shop D = 33000 – 24000 = 9000		$=\frac{1200 \times 120}{6 \times 12}$ = Rs. 10000
	Total GA books sold = 27000		$C I = D \left[ \left( 1 + R \right)^T \right]$
	Total QA books sold by shop E = 50000 – 41000 = 9000		$\therefore C.I. = P\left[\left(1 + \frac{1}{100}\right)^{-1}\right]$
	Total Reasoning books sold by shop E	-	$-10000\left[\left(1+\frac{5}{2}\right)^2-1\right]$
	= 32000 – 30000 = 2000 Total Descening Decks cold bushen 5		$= 10000 \left[ \left( 1 + \frac{1}{100} \right)^{-1} \right]$
		_	$-10000\left[\left(\frac{21}{2}\right)^2-1\right]$
	Total Reasoning books sold = 31000	BA.	
	Total BA books sold by shop $A = 30000 - 25000 = 5000$		$= 10000 \left( \frac{441}{4} - 1 \right)$
	Total BA books sold = 26000		10000×41 D 1005
46. (4)	Total Books sold		$=\frac{1}{400}$ = Rs. 1025
	English $\rightarrow$ 20000	58. (1)	Suppose the fraction is $\frac{x}{2}$
	GA → 27000		x+3x = 30
	$QA \rightarrow 50000$		$\therefore \frac{1}{y+y} = \frac{1}{19}$
	Comp. → 29000		$\frac{4x}{2} = \frac{30}{2}$
	Reasoning $\rightarrow$ 31000	7	2y 19
	Second highest is Reasoning Book		76x = 60y
47. (2)	From the table,	J.	$\frac{x}{7} = \frac{60}{76} = \frac{15}{19}$
(_)	Clearly shop D sold $\frac{9000}{2000} \times 100 - \frac{300}{200} - 2728\%$	F0 (4)	Suppose the age of daughter = $x$ yr
	$33000 \times 100^{-1} 11^{-27.2070}$	59. (1)	Age of Meena = $8x$ vr
48. (5)	Desired avg. = $\frac{27000 + 29000 + 31000}{2}$		After 8 vr
	87000 20000		8x+8 10
	$=\frac{1}{3}=29000$		$\frac{1}{x+8} = \frac{1}{3}$
49. (5)	No. of reasoning books returned = $19 \times 40 = 760$		24x + 24 = 10x + 80
	Desired $\% = \frac{700 \times 100}{26000} = 2.92\%$	-	24x - 10x = 80 - 24
50 (3)	14% → 840	ne R	14x = 56
50. (5)	$\therefore 40\% \rightarrow \frac{840}{2} \times 40 = 2400$	JE Y	x = 4
	10 10 70 7 14 X 10 - 2100		So, the age of Meena = $8x = 8 \times 4 = 32$ yr
51. (1)	3 x 2 + 2 = 8	60. (3)	Difference of ratio of B and C = 2 unit
	8 x 4 + 2 = 34		∴ 2 unit = 4000 or 1 unit = Rs. 2000
	$34 \times 6 + 2 = 206$		Now, total amount received by A and B together $= 8 \times 2000 = \text{Rs}$ . 16,000
	$206 \times 8 + 2 = 1650$	61. (4)	? × 116 = 4003 × 77 - 21015
	$1650 \times 10 + 2 = 16502$		$Or, ? \times 116 = 308231 - 21015 = 287216$ $Or, ? \times 116 = 287216$
52. (3)	4 + 6 = 10		$\therefore 2 = \frac{287216}{2} = 2476$
	10 + 8 = 18		
	18 + 10 = 28 28 + 12 = 40	62. (1)	$\left[ \left( 5\sqrt{7} + \sqrt{7} \right) \times \left( 4\sqrt{7} + 8\sqrt{7} \right) \right] - (19)^{2}$ - [20 × 7 + 4 × 7 + 8 × 7 + 40 × 7] - 361
	28 + 12 - 40		= [140 + 28 + 56 + 280] - 361
F2 (4)	40 + 14 = p4		=504 - 361 = 143
55. (4)	$2^{3} - 1 = 7$	63. (2)	$? = (4444 \div 40) + (645 \div 25) + (3991 \div 26)$
	$4^{-3} = 01$ $6^{3}_{-} 5 = 011$		$=\frac{444}{40}+\frac{645}{25}+\frac{5771}{26}$
	$0^{-} - 3 = 211$ $0^{3} - 7 = 505$		= 111.1 + 25.8 + 153.5 = 290.4
	10 <sup>3</sup> - 9- 991	64. (5)	$(?)^{2} + (37)^{2} = \sqrt{33124} \times \sqrt{2601} - (83)^{2}$
	$10^{3} - 11 = 1717$		$Or, (?)^2 + (37)^2 = 182 \times 51 - (83)^2$
54. (2)	$(842 + 8) \div 2 = 425$		$Ur_{1}(1)^{2} + 1369 = 9282 - 6889 = 2393$ Or $(2)^{2} - 2393 - 1369 - 1024$
(-)	$(425 + 16) \div 3 = 147$		$\therefore ? = \sqrt{1024} = 32$
	$(147 + 24) \div 4 = 42.75$		
	$(42.75 + 32) \div 5 = 14.95$		



Days	Friend	Fruits
Monday		
Tuesday		
Wednesday		13
Thursday		21
Friday		
Saturday	Μ	
Sunday		

Days	Friend	Fruits
Monday		
Tuesday		
Wednesday		13
Thursday		21
Friday		
Saturday		
Sunday	М	

It is given that The difference of the fruits which are bought on Monday and Friday is a multiple of 7 so the number of fruits can be 7,14 or 28. It is also given that the sum of fruits which are bought on Wednesday and Saturday is one more than the number of fruits which are bought on Friday. So the sum can be 8, 15 or 29. The sum of number of fruits which are bought on Wednesday and Saturday can be only 29 so The number of fruits which are bought on Saturday is 16. Hence the number of fruits which are bought on Friday is 28 and which are bought on Monday is 7 or 14.

Days	Friend	Fruits
Monday		7/14
Tuesday		
Wednesday		13
Thursday		21
Friday		28
Saturday	Μ	16
Sunday		

Days	Friend	Fruits
Monday		7/14
Tuesday		
Wednesday		13
Thursday		21
Friday		28
Saturday		16
Sunday	М	

It is given that N buys fruits on the day just above the day on which 10 fruits are bought.so N buys fruits on Monday in (1) case .It is given that There are two persons who bought fruits between N and S and the difference between the fruits bought by N and S is less than five. In (1) case, it can't be possible so (1) possibility will be cancelled out.

In (2) case, N buys fruits on Saturday and the number of fruits which are bought on Sunday is 10.R cannot buy fruits on Saturday as there are three persons who bought fruits between R and P. It is given that There are two persons who buy fruits between R and the person who buys 7 fruits.so 14 fruits are bought on Monday and 7 fruits are bought on Tuesday. R buys fruits on Friday. O does not buy 7 fruits so O buys fruits on Thursday.

Days	Friend	Fruits
Monday	Р	14
Tuesday	Q	7
Wednesday	S	13
Thursday	0	21
Friday	R	28
Saturday	N	16
Sunday	М	10

76.(2)

- 77.(4)
- 78.(4) 79.(3)
- 80.(2)

65. (2)	$? = 5 \frac{1}{37} \times 4 \frac{5}{52} \times 11 \frac{7}{7} + 2 \frac{7}{4}$ $= \frac{202}{37} \times \frac{259}{52} \times \frac{78}{7} + \frac{11}{4}$ $= \frac{202}{37} \times \frac{259}{7} \times \frac{3}{2} + \frac{11}{4}$ $= 101 \times 3 + \frac{11}{4} = 303 + \frac{11}{4} = \frac{1212 + 11}{4}$ $= \frac{1223}{4} = 305.75$
66. (5)	Cars Bus Caravan Trucks
67. (3)	Copy Pencil Stationary OF BA
68. (2)	Room Curtains Window Varanda
69. (3)	Tea Coffee Tasty Sugar
70. (3)	Mouse Keyboard Monitor Screen
71. (3) 72. (5) 73. (3) 74. (3) 75. (1) 76-80.	It is given that the number of fruits are bought on Wednesday is 13.The number of fruits which are bought on Thursday is

more than 13 and an odd number so it is 21.M buys fruits either on Saturday or Sunday.so there can be two possibilities

(1) or(2).

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