

# IBPS PO Preliminary -2021. IPP-2021-11009

## HINTS & SOLUTIONS

### ANSWER KEY

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

### HINTS & SOLUTIONS

- 1.(4) Clearly in the 2nd paragraph of the passage the author has explained how the deferral system has increased the stash in offshore tax deferred accounts.
- 2.(3) Democrats weren't against the repatriation but they viewed deferral as an unjustified reward for tax avoidance also due to the reason that they failed to keep their promise.
- 3.(2) Refer to the 4th paragraph of the passage, "But the money won't be repatriated and taxed under American law if Europeans, in the course of enforcing their own laws against tax havens, get their hands on it first and that in the nutshell is the reason due to which the members of Congress and Treasury officials are not in favour of the Apple ruling."
- 4.(5) None of these is the correct choice. Option (i) is incorrect as the new minimum tax is 19 percent after the proposal. Option (iii) is incorrect as tax holiday wasn't a complete success as the promises were not kept. Option (ii) is also incorrect as it is not mentioned if apple has the largest stash in the deferred accounts.
- 5.(4) It is mentioned in the passage that Apple's ignorance due to its arrogance and congress' idleness is the possible reason for the situation.
- 6.(2) Refer to the last paragraph of the passage, ". An even better solution would be to simply end indefinite corporate tax deferral, imposing American taxes on profits when they are made."
- 7.(1) **Stashing** means store (something) safely in a secret place hence **garner** is the word most similar in meaning which means gather or collect (something, especially information or approval).
- 8.(3) **Enticing** means attractive or tempting; alluring hence **enchanted** is the word most similar in meaning which means delightfully charming or attractive.
- 9.(1) **Repatriate** means return to one's own country hence **expatriate** is the word most opposite in meaning which means send (a person or money) abroad.
- 10.(5) **Worse** means of poorer quality or lower standard; less good or desirable hence **supercalifragilisticexpialidocious** is the word most opposite in meaning which means wonderful.
- 11.(2) **Acerbic** means tasting sour or bitter. **Irritated** means showing or feeling slight anger; annoyed.
- 12.(1) **Elan** means energy, style, and enthusiasm. **Enthusiastic** means having or showing intense and eager enjoyment, interest, or approval.
- 13.(1) **Absorbed** means take up the attention of (someone); interest greatly. **Care** means the provision of what is necessary for the health, welfare, maintenance, and protection of someone or something.
- 14.(2) **Believe** means accept that (something) is true, especially without proof. **Affect** means to have an effect on; make a difference to.
- 15.(5) **Circumstances** a fact or condition connected with or relevant to an event or action. **Investigate** means to carry out research or study into (a subject or problem, typically one in a scientific or academic field).
- 16-20. The correct sequence is **EAFDCB**.
- 16.(5) 17.(1) 18.(4)
- 19.(5) 20.(5)
- 21.(3) Use 'was' in place of 'is' as the sentence is in the past tense.
- 22.(1) Use 'had' in place of 'would have'.
- 23.(2) Use negligible in place of 'negligent' as negligent is an adjective and negligence is noun.
- 24.(2) Use 'likely to cause the inflation' in place of 'likely the cause of inflation'.
- 25.(3) Use 'has' in place of 'have' as nationalism is singular.
- 26.(3) 27.(1) 28.(5)
- 29.(3) 30.(2)
- 31.(3) In 30 min, increased time = 3 min.  
In 1 hr, increased time = 6 min  
In 6 hr, increased time = 36 min  
Required time = 11 : 36 a.m.

32.(1) Let original No. be  $(10x + y)$   
 $\therefore 10x + y - (10y + x) = 18$   
 $10x + y - 10y - x = 18$   
 $9x - 9y = 18$   
 $x - y = 2$

33.(1)

A	B
$\frac{5}{7}$	$\frac{8}{13}$
\	/
$\frac{9}{13}$	
/	\
$\frac{9-8}{13} = \frac{1}{13}$	$\frac{65-63}{91} = \frac{2}{91}$

Ratio of quantity = 7 : 2

34.(1)

	M	P	Q
Capital →	6500	8400	10000
	×	×	×
Time →	6	5	3
	390	420	300
	13	14	10

M's extra share on working partner

$$= 7400 \times \frac{5}{100} = \text{Rs. } 370$$

Remaining profit = Rs. 7400 - 370 = Rs. 7030

$$37 \text{ units} = 7030$$

$$1 \text{ units} = \frac{7030}{37}$$

$$\text{Profit of Q} = \frac{7030}{37} \times 10 = \text{Rs. } 1900$$

35.(3) Probability =  $\frac{2c_1 \times 3c_2 + 2c_2 \times 3c_1}{5c_3}$   
 $= \frac{2 \times 3 + 1 \times 3}{10}$   
 $= \frac{9}{10}$

36.(4) Principal P = Rs. 17500  
 Rate of interest r = 8% per annum  
 Time t = ?

$$\text{Simple Interest} = \frac{Prt}{100}$$

$$16800 = \frac{17500 \times 8 \times t}{100}$$

$$t = \frac{16800 \times 100}{17500 \times 8}$$

$$t = 12 \text{ year}$$

37.(5) Let daughter's amount = x  
 Amount of each son = 2x  
 Amount of wife = 4x  
 Total amount = x + (2 × 2x) + 4x = 9x  
 Amount of each son 2x = 48000  
 x = 24000

$$\text{Total amount distributed by Ramlal} = 9x$$

$$= 9 \times 24000 = \text{Rs. } 216000$$

38.(5) We know  
 Perimeter of a rectangle = 2(length + breadth)  
 $= 2(26 + 18) = 88 \text{ cm}^2$   
 Now, since perimeter of a circle =  $2\pi r$   
 Therefore  $2\pi r = 88$  i.e.  $r = \frac{44}{\pi}$   
 Now, the area of the circle =  $\pi r^2$   
 $\pi \times \frac{44}{\pi} \times \frac{44}{\pi} = \frac{44 \times 44}{\pi} \times 7 = 616 \text{ cm}^2$

39.(1) Here ratio of efficiencies of pipes A, B and C are as follows:

C	B	A
2	1	
	2	1
4	: 2	: 1

Suppose the efficiencies of pipes C, B and A are 4K, 2K and K.

Since, the tank is filled in 5 hours by the three pipes having combined efficiency equal to 7K, the time required to fill

$$\text{the tank by A alone} = \frac{7K \times 5}{K} = 35 \text{ hours}$$

40.(3) Let speed of man = x kmph

Let speed of tanga = y kmph

$$\therefore \frac{90}{x} - \frac{10}{y} = 4 \quad \dots (i)$$

$$\text{and, } x \times \frac{10}{y} = y \times \frac{90}{x}$$

$$x^2 = 9y^2$$

$$\frac{x}{y} = 3$$

$$x = 3y$$

∴ put it in eqn. (i)

$$\therefore \frac{90}{3y} - \frac{10}{y} = 4$$

$$y = 5 \text{ kmph}$$

$$\therefore \text{Required time} = \frac{10}{5} = 2 \text{ hrs.}$$

41.(2) The pattern is :

$$123 + 11 \times 14 = 123 + 154 = 277$$

$$277 + 13 \times 14 = 277 + 182 = 459$$

$$459 + 15 \times 14 = 459 + 210 = 669$$

$$669 + 17 \times 14 = 669 + 238 = 907$$

$$907 + 19 \times 14 = 907 + 266 = 1173$$

42.(2) The pattern is :

$$456.5 - 407 = 49.5$$

$$407 - 368.5 = 38.5$$

$$368.5 - 341 = 27.5$$

$$341 - 324.5 = 16.5$$

$$? - 324.5 - 5.5 = 319$$

43.(1) The pattern is :

$$23 + 1 \times 19.2 = 42.2$$

$$42.2 + 2 \times 19.2 = 80.6$$

$$80.6 + 4 \times 19.2 = 157.4$$

$$157.4 + 8 \times 19.2 = 311$$

$$311 + 16 \times 19.2 = 311 + 307.2 = 618.2$$

44.(5) The pattern is :

$$154 - 36 = 118$$

$$232 - 154 = 78$$

$$278 - 232 = 46$$

$$300 - 278 = 22$$

118	78	46	22
-40	-32	-24	-16,, 22 - 16 = 6

$$? - 300 = 6$$

$$? = 306$$

45.(4) The pattern is :  $+8^3, -7^2, +6^3, -5^2, +4^3 \dots$

$$\text{Therefore, } 678 + 4^3 = 742.$$

46.(1) Total number of students passed from all institutes in the year 2006

$$= 40\% \text{ of } 550 + 60\% \text{ of } 450 + 68\% \text{ of } 500 + 60\% \text{ of } 750 + 50\% \text{ of } 450 + 60\% \text{ of } 650$$

$$= 220 + 270 + 340 + 450 + 225 + 390 = 1895$$

47.(5) Total students passed from C from 2001 to 2007

$$= 65\% \text{ of } 300 + 60\% \text{ of } 350 + 50\% \text{ of } 380$$

$$+ 70\% \text{ of } 450 + 75\% \text{ of } 400 + 68\% \text{ of } 500 + 60\% \text{ of } 470$$

$$= 195 + 210 + 190 + 315 + 300 + 340 + 282 = 1832$$

Total student appeared from C

$$= 300 + 350 + 380 + 450 + 400 + 500 + 470 = 2850$$

$$\text{Required \%} = \frac{1832}{2850} \times 100 \approx 65\%$$

$$48.(2) \text{ Required ratio} = \frac{66\% \text{ of } 700}{50\% \text{ of } 570} = \frac{66 \times 70}{50 \times 57} = \frac{154}{95}$$

$$49.(4) \text{ Required ratio} = \frac{450+520+430+400+480+550+500}{640+620+580+600+700+750+720} = \frac{3330}{4610} = \frac{333}{461}$$

50.(3) Total number of students passed from all institute in 2004.  
 = 65% of 400 + 75% of 600 + 70% of 450 + 75% of 600 + 60% of 720 + 70% of 780  
 = 260 + 450 + 315 + 450 + 432 + 546 = 2453  
 Total students appear in 2004 = 400 + 600 + 450 + 600 + 720 + 780 = 3550

$$\text{Required \%} = \frac{2453}{3550} \times 100 \approx 69\%$$

$$51.(5) \text{ Required \%} = \frac{175}{175+275+300} \times 100 = \frac{175}{750} \times 100 = 23\frac{1}{3}$$

52.(4) Required No. of people = 375 + 400 + 300 + 200 + 250 + 275 = 1800

53.(3) Required difference = 275 - 175 = 100

54.(2) Required Ratio = 375 : 325 = 75 : 65 = 15 : 13.

55.(1) Required No. of people = 2050 millions

$$56.(2) x = \frac{12}{16} - \frac{8}{16} = \frac{3}{4} - \frac{1}{2}$$

$$y = -\frac{30}{10} - \frac{-8}{4} = -3 - \frac{-2}{1} = -3 + 2 = -1$$

$$x > y$$

$$57.(4) x = \frac{12}{18} - \frac{6}{18} = \frac{2}{3} - \frac{1}{3} = \frac{1}{3}$$

$$y = \frac{21}{12} - \frac{8}{12} = \frac{7}{4} - \frac{2}{3}$$

$$x \geq y$$

$$58.(3) x = -\frac{10}{8} + \frac{4}{8} = -\frac{5}{4} + \frac{1}{2} = -\frac{5}{4} + \frac{2}{4} = -\frac{3}{4}$$

$$y = +\frac{16}{12} + \frac{6}{12} = \frac{4}{3} + \frac{1}{2} = \frac{8}{6} + \frac{3}{6} = \frac{11}{6}$$

$$y \geq x$$

$$59.(1) x = -\frac{51}{17} + \frac{3}{17} = -\frac{48}{17} = -2\frac{14}{17}$$

$$y = \frac{26}{13} - \frac{6}{13} = \frac{20}{13} = 1\frac{7}{13}$$

$$y > x$$

60.(5)  $y = 19, x = 19$

$$61.(2) \frac{36864 \times 24}{64 \times 48} = 288 = \sqrt{?} \Rightarrow ? = 82944$$

62.(4)

63.(1)  $278.46 - 158.44 = 120.02$

64.(3)

65.(1)  $\sqrt{11-7} = 2$

66.(4)

67.(2)

68.(5)

69.(4)

70.(2)

71-75.

Month	People	Flavour Cake
February	E	Strawberry
March	F	Carrot Cake
April	B	Black Forest
June	D	Chocolate
September	A	Cherry Jubilee
October	G	Vanilla
November	C	Lotus seed Paste

71.(2)

72.(4)

73.(4)

74.(4)

75.(3)

76-80.

Mount abu	Mysooru	Mumbai	Munger	Meerut	Mussoorie
L	K	H	I	G	J
Y	N	M	O	X	Z
Mandvi	Mohali	Moradabad	Mirzapur	Mathura	Manesar

76.(2)

77.(2)

78.(4)

79.(2)

80.(4)

81.(4)

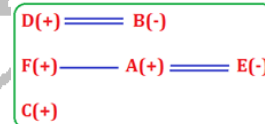
L E A P S

82.(3)

L E A P S

83-85.

A(+)	Card/TT
B(-)	Carrrom
C(+)	Volleyball
D(+)	Chess
E(-)	Card/TT
F(+)	Badminton

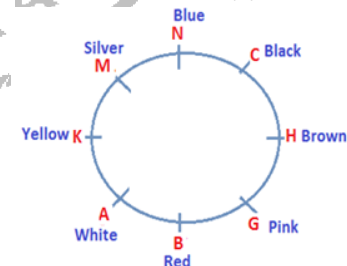


83.(4)

84.(3)

85.(5)

86-90.



Tree Form (Blood Relation):



86.(1)

87.(1)

88.(2)

89.(2)

90.(3)

91.(5)



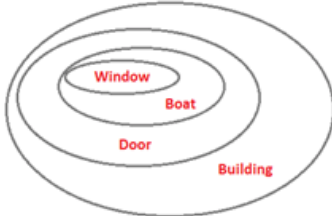
92.(2)



93.(1)



94.(5)



95.(1)



96-100.

	A	B	C	D	E	F
Red	✓	✓		✓	✓	✓
Blue		✓	✓		✗	✗
Green			✓	✓	✗	✗
Pink		✓		✓		
Yellow		✗		✗	✓	✓
White	✓	✗	✓	✗		
Grey	✓	✗	✓	✗	✗	✗
Purple					✓	✓

96.(3)

97.(1)

98.(2)

99.(3)

100.(2)

