IBPS PO Preliminary -2021. IPP-2021-11007

HINTS & SOLUTIONS

13.(4)

15.(3)

17.(1)

19.(1)

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

HINTS & SOLUTIONS

- Only 'depending' and 'relying' will suit the first blank of (c) and (e), (c) has to be left out as the meaning of 'reserve' does not apply in the context of the sentence.
- 2.(3) Only (a) and (c) will suit the first blank. But 'churning out fresh graduates' does not make sense, as the graduates who emerge from universities every year are, needless to say, fresh graduates only.
- 3.(2) 'Resulted' (a) has to be followed by 'in'. 'Angered an outcry' and 'activated an outcry' are not correct usage. We can say 'incited', meaning 'cause to rise', but then 'determined' does not suit the second blank.
- 4.(4) We cannot say, 'Execution has been taken' and 'lawsuit has been taken'. So (c) and (e) are out. We can say 'Note has been taken of 'but not 'against' a thing. 'Steps' (meaning, 'measures') can suit the first blank but not 'step'. So only 'action' fully suits the first blank. In this question, there is no need to study the options for the second blank once it is certain that only 'action' will apply in the first blank. This saves time during the exam.
- 5.(1) Most of the given options can suit the first blank. Note, however, that 'counter' (e) and 'inhibit' (b) do not suit in

the context of the meaning conveyed by the sentence. 'Measure' and 'inflict' are not suitable either. Only 'meet' will be correct in the second blank. Double negatives should never be used in a sentence. It

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- 6.(3) Double negatives should never be used in a sentence. It makes an error. So, remove 'No'
- 7.(4) By/to should be used in place of 'at'
- 8.(1) Replace 'so' with 'as' because correct expression is As+Adverb+As
- 9.(2) Use 'support' in place of 'supports' because it has been used as an uncountable noun here.
- 10.(2) Since the sentence is in the present tense, use 'reconsiders' in place of 'reconsidered' 11.(3) 12.(3)
 - 12.(3) 14.(3) 16.(4)
 - 18.(4) 20.(4)
- 21.(1) They resort to ways and means without any ethical or moral considerations
- 22.(2) 23.(5) 24.(4) 25.(3) 26.(5) 27.(5) 28.(2) 29.(5) 30.(4) 31.(1) Required percentage 18 $\times 3350$ 18×134 ×100 $\times 100 =$ 7×252 2016 2412 ×100=136.73%.

32.(4) TA earned
$$=\frac{3}{19} \times 4256 \times 12.90 = 8668.8.$$

1764

3.(3) Distance travelled by Rail in -
Delhi =
$$\frac{11}{12} \times 432 = 396$$

Kolkata = $\frac{3}{19} \times 4256 = 672$
Chennai = $\frac{5}{18} \times 3528 = 980$ (maximum)
Mumbai = $\frac{7}{15} \times 3350 = 938$
Hyderabad = $\frac{4}{13} \times 1456 = 448$
Bengaluru = $\frac{1}{8} \times 2016 = 252$
Lucknow = $\frac{3}{4} \times 1024 = 768$

34.(2) Required Ratio = 1 × 16.1 : 3 × 12.10 = 16.1 : 36.3 = 161 : 363 ≈ 2 : 5.

35.(2) Required value
$$=\frac{11}{12} \times 432 \times 12.6 + \frac{1}{12} \times 432 \times 15.2$$

 $+\frac{3}{4} \times 1024 \times 12.1 + \frac{1}{4} \times 1024 \times 16.1$ = 4989.6 + 547.2 + 9292.8 + 4121.6 = 18951.2.



 $3x^2 - 21x - 8x + 56 = 0$ According to the question, 36.(2) 44.(4) 3x(x-7) - 8(x-7) = 0Part of tank filled in 10 minutes $\left(\frac{1}{24}+\frac{1}{30}\right)\times 10$ $x = 7, \frac{8}{2}$ $3y^2 + 3y - 8y - 8 = 0$ 3y(y+1) - 8(y+1) = 0If all the pipes are opened together, y = -1, 8Part of tank filled in 1 minute = ($x \ge y$ $5x^2 + 30x - 4x - 24 = 0$ ⇒part of tank emptied in 1 minute 37.(4) 120 5x(x+6) - 4(x+6) = 0Time taken to empty the tank $=\frac{2}{4} \times 120$ $x = \frac{4}{5}, -6$ = 90 minutes $5y^2 - 30y - 4y + 24 = 0$ 5y(y-6) - 4(y-6) = 0Let initially no. of workers = 15x $y = \frac{4}{5}, 6$ 45.(1) Wages = 22y $x \leq y$ Now, No of workers = 11x $x = 7, 2y^2 + 2y + 3y + 3 = 0$ 38.(1) Wages = 25y2y(y+1) + 3(y+1) = 0Required Ratio = $\frac{15 \times 22 \times xy}{1000}$ $y = -1, \frac{-3}{2}$ $11 \times 25 \times xy$ 2×3 x > y5 eq. (i) × 2 39.(1) = 6 : 5 14x - 8y = 80Let fare of first class = 4x 8x + 8y = 8Fare of second class =x Eq. (i) + eq. (ii) Let No. of travelers travelled by first class = y 22x = 88, x = 4, y = -No of travelers travelled by second class =40 y x > yTotal fare = 110040.(3) $15x^2 - 35x - 6x + 14 = 0$ 4xy + 40xy = 11005x(3x-7) - 2(3x-7) = 044xy = 1100 $x = \frac{2}{5}, \frac{7}{2}$ xy = 25 $2y^2 - 8y - 5y + 20 = 0$ Required amount = 4xy = 100 Rs 47.(4) 20% of 24 =4.8 2y(y-4) - 5(y-4) = 0. Due to increase, 2 eggs costs Rs. = 4.8 $y = \frac{5}{2}, 4$ Present rate of eggs per dozen $=\frac{4.8}{2} \times 12$ x < v= 28.8 Rs 41.(4) Suppose the two liquid A and B are 5x and 3x litres 48.(4) Let initially boys and girls be 5x and 3x. respectively. Now, new boys and girls be 5y and 7y Now, 16 litres of mixture are taken out and 16 litres of \therefore 5x + 3x + 5y + 7y = 1200 liquid B is added 8x + 12y = 1200 $5x - 16\left(\frac{5}{5+3}\right) : 3x - 16\left(\frac{3}{5+8}\right) + 16 = 3 : 5$ 2x +3y = 300(i) Now, $\frac{5x+5y}{3x+7y} = \frac{7}{5}$ 3x-6+16 3x+7yx = 525x + 25y = 21x + 49yQuantity of liquid $B = 3x = 3 \times 5 = 15$ lires. 4x - 24y = 042.(1) Ratio of profit = $700 \times 3 + 500 \times 3 + 620 \times 6 : 600 \times 12^{-1}$ 2x - 12y = 0(ii) = 2100 + 1500 + 3720 : 7200 From eqn. (i)- Eqn. (ii) = 61 : 60 Share of A = $\frac{61}{(61+60)} \times 726 = 366$ Rs 15y = 300y = 2025 men and 15 women can complete the work in 12 days. 43.(5) x = 120 \therefore work done by them in 8 days = $\frac{8}{12} = \frac{2}{3}$ Required students = 8x $= 8 \times 120$ Remaining work = $\frac{1}{2}$ = 960work is completed by 25 men in 6 days 49.(3) S.P. of two bullock = 8400 + 8400 = Rs. 16800 CP of first bullock = $\frac{100}{120} \times 8400$ \Rightarrow 25 men will take 18 days to complete the whole work. So, 1 day's work of 25 men = $\frac{1}{18}$ = 7000 \Rightarrow 1 day's work of 15 women = $\frac{1}{12} - \frac{1}{18} = \frac{1}{36}$ CP of second bullock =16800 - 7000 Required % less $=\frac{9800-8400}{2000} \times 100$ \Rightarrow 15 women will take 36 days to complete the entire job $=\frac{1400}{1000} \times 100$ 9800 = + - × 100 $=\frac{100}{7}=14\frac{2}{7}\%$





