Grand Test – IPP 180913



IBPS PO Preliminary Grand Test – IPP-180913

HINTS & SOLUTIONS

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

- Only option (ii) is correct, option (iii) is incorrect as 11.(2) although is a negative conjunction which makes a sentence negative .
- Option (ii) is incorrect because of 'was' as 'is' should be 12.(5) used. Option (iii) is incorrect as 'does' should be used instead of 'did'. Option (i) is also not a correct choice.
- Option (iii) is incorrect because of 'by'. 13.(1)
- 14.(1) Option (ii) is incorrect as 'you' should be used instead of 'us'. Option (iii) is incorrect due to the use of negative words
- 15.(5) In this question the first sentence of the paragraph is cause and the other sentence is effect and we can use because/because of in the sentence which is cause. Hence option (i) is correct. Option (iii) is a part of the 1st sentence. In option (ii) we can't use because/because of as it is an effect.
- 16.(5) Only 'depending' and 'relying' will suit the first blank of (3) and (5), (3) has to be left out as the meaning of 'reserve' does not apply in the context of the sentence.
- 17.(3) Only (1) and (3) 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.

18.(2) 'Resulted' (1) 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.

19.(4) We cannot say, 'Execution has been taken' and 'lawsuit has been taken'. So (3) and (5) 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. 20.(1) Most of the given options can suit the first blank. Note,

however, that 'counter' (5) and 'inhibit' (2) 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.

 \Rightarrow 1 day's work of 15 women = $\frac{1}{12} - \frac{1}{18} = \frac{1}{36}$

 \Rightarrow 15 women will take 36 days to complete the entire job

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39.(4)	According to the question,	48.(1)	% increase in Engineering students from 2016 to 2017
	Part of tank filled in 10 minutes		98800 - 79200 100 - 25%
	$=\left(\frac{1}{2}+\frac{1}{2}\right)\times 10$		$=$ 79200 × 100 \approx 25%
	24 30 7 10	49.(4)	Arts & Commerce together in 2016
	$=\frac{1}{4}$	- ()	= 52800 + 96800 = 1,49,600
	If all the pipes are opened together,		Arts & commerce together in 2017
	Part of tank filled in 1 minute = $\left(\frac{1}{1} + \frac{1}{1} - \frac{1}{1}\right) = \frac{-1}{1}$		= 57,200 + 1,24,800 = 1,82,000
			Desired $\% = \frac{1,49,600}{1000} \times 100 \approx 82\%$
	\Rightarrow part of tank emptied in 1 minute $=\frac{1}{120}$		1,82,000
	Time taken to empty the tank $=\frac{3}{2} \times 120$	50.(3)	Clearly in commerce % increase was maximum
	= 00 minutes	51.(2)	$3x^2 - 21x - 8x + 56 = 0$
40 (1)	= 90 minutes		3x(x-7) - 8(x-7) = 0
40.(1)	Wages = 22v		$x = 7, \frac{8}{2}$
	Now No of workers $= 11x$		$3y^2 + 3y - 8y - 8 = 0$
	Wares - 25v		3y(y+1) - 8(y+1) = 0
	15×22×xy		3y(y+1) = 8(y+1) = 0
	Required Ratio = $\frac{11 \times 25 \times xy}{11 \times 25 \times xy}$		y = -1, 8
	$=\frac{2\times3}{2}$	50 (4)	$x \ge y$
	5	52.(4)	$5x^{2} + 30x - 4x - 24 = 0$ 5x(x + 6) - 4(x + 6) = 0
41 (2)	= 6 : 5		5x(x+0) - 4(x+0) = 0
41.(5)	-2162 - (420 + 226 + 224 + 242) = 740		$x = \frac{1}{5}, -6$
	= 2102 = (420 + 530 + 524 + 542) = 740 Expenditure on salary	2 .	$5y^2 - 30y - 4y + 24 = 0$
	in $2015 = \frac{113}{2} \times 740 = 452$ lakh	247	5y(y-6) - 4(y-6) = 0
	(72+113) Percentage in crease in expenditure on		$v = \frac{4}{2}.6$
	Solary from 2014 to 2015 $= \frac{452-420}{2} \times 100 \approx 7.620$		5,0
42 (5)	Sataly from 2014 to 2013 = $\frac{420}{420} \times 100 \approx 7.02\%$	50 (4)	$x \le y$ $x = 7 \ 2y^2 + 2y + 3y + 3 = 0$
42.(5)	sum of expenditure on transport and expenditure on	-53.(1)	2v(v+1) + 3(v+1) = 0
			-3
	= 624.16 - (336 + 4.16 + 112) = 172 lakh	- //	$y = -1, \frac{1}{2}$
	Expenditure on transport in 2013		x > y
	$=\frac{3}{12} \times 172 = 129$ lakh	54.(1)	eq. (i) × 2
	3+1		14x - 6y = 60
	Expenditure on Transport in 2011		$\delta x + \delta y = \delta$
	= 723 – (98 + 101 + 129 + 142 + 141) = 112 lakh		Eq. $(1) + eq. (1)$
43.(2)	Expenditure on Bonus in 2012		22x = 88, x = 4, y = -3
	= 20.16 – (3 + 2.52 + 4.16 + 3.58 + 3.98) = 2.92 lakh	FF (2)	x > y
	Expenditure on bonus in 2013 = 4.16 lakh.	55.(5)	$15x^2 - 35x - 6x + 14 = 0$ 45x(2x - 7) - 2(2x - 7) = 0
	Required percentage = $\frac{4.16 - 2.92}{100} \times 100 \approx 30\%$		3x(3x-7) - 2(3x-7) = 0
	4.16		$x = \frac{2}{5}, \frac{2}{3}$
44.(2)	Average expenditure on "interest on loans" from 2011 to		$2y^2 - 8y - 5y + 20 = 0$
	$2012 - \frac{32.5 + 40.9}{-36.7}$	E R	2y(y-4) - 5(y-4) = 0
	$2012 = \frac{2}{2} = 30.7.$		$v = \frac{5}{4}$.
	Average expenditure on "interest on loans" from 2014 to		2,
	41.6 + 48.9	$\Gamma(12)$	x < y
	$2015 = \frac{1}{2} = 45.25.$	50.(3)	
			$\frac{1}{1} - \frac{1}{1} = \frac{1}{10} \Rightarrow x = \frac{10}{10} \text{ or } 5\frac{1}{10} \text{ min.}$
45.(1)	Expenditure on taxes in 2015		4 x 16 3 3
13.(1)	103	57.(3)	Distance covered by train from 1.35 pm to 2.45 pm,
	$=550 - (88 + 93 + 112 + 79) \times \frac{105}{178} = 103$ lakh		which is going from Amritsar to Delhi
			$=\frac{70}{10} \times 60 = 70 \text{ km}$
	(100 - 20)		60 × 00 × 0 km
	$=\frac{(100+20)}{\times}\times103=123.6$ lakh = Rs.1,23,60,000.		Now relative speed = 110 km/hr.
	100		Distance to be covered = 400 km.
46.(2)	2016 2017		Time taken = 4 h.
	Arts 52,800 57,200		Required distance = 4 × 50 = 200 km.
	Commerce 96,800 1,24,800	58.(4)	$(\ell + 8)(b - 4) = \ell b$ (i)
	Science 1,05,600 1,14,400		$(\ell - 6)(b + 5) = \ell b$ (ii)
	Pharmacy 26,400 46,800		Solving the 2 equations we get = $l = 27, b = 17.5$ m
	Medicine 48,400 52,000	59.(3)	Required probability = $\frac{7c_8}{15c_8} \times \frac{8c_8}{15c_8} = \frac{8}{845}$
	Engineering 79,200 98,800		1963 1968 049
	Clearly in Agriculture, there was decrease in number of		
	students from 2016 to 2017.		
47.(1)	Ratio = 26400 : 46800 = 22 : 39.		

2

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60.(4) A and B per day work = $\frac{1}{120} + \frac{1}{150} = \frac{27}{1800}$ A and B work in 20 days $= \frac{20 \times 27}{1800}$ B work in 12 days = $\frac{12}{150} = \frac{144}{1800}$ B work in 12 days = $\frac{1}{150} = \frac{1}{1800}$ Remaining work = $1 - \left(\frac{540}{1800} + \frac{144}{1800}\right)$ $=\frac{1116}{1800}$ B and C 1 day work = $\frac{1110}{\frac{1800}{48}}$ C per day work = $\frac{1116}{1800\times 48} - \frac{1}{150}$ = $\frac{540}{1800\times 48} = \frac{1}{150}$ So no. of days by C to complete the work = 160



II. E δ X (True)

IV. V © E (False)

IV. F % C (False)

II. E δ Q (False)

IV. E % N (False)

IV. N © R (False)

II. U \$ X (False)

IV. U \$ N (True)

>_{HINK}

II. K \$ R (True)

II. Q \$ F (True)

$? = \sqrt{361} \times 19 + 1083 \div 57 \approx 380.$ 62.(2) 63.(4) $(95 \times 13) + (6 \times 15) = 53 \times \sqrt{?}$

- $\Rightarrow 1235 + 90 = 1325 = 53 \times \sqrt{?}$ $\Rightarrow 53 \times 25 = 53 \times \sqrt{?}$ \Rightarrow ? = 625 (333% of 856) ÷ 49.95 64.(5) = 2850.48÷ 49.95
- $\approx 2850 \div 50 = 57$ $43 \times \underline{45 \times 1680} = 108.$ 65.(1)
- 100×301 66.(5) I. V δ X (False) III. O © S (True)
- I. C © Q (False) 67.(2) III. I \$ M (False) 68.(2) I. N \$ S (False)
- III. M © Q (True) 69.(1) I. U \$ R (True)
- III. U δ L (False) 70.(2) I. G \$ E (False) III. N © X (False)
- 71.(4) P(+) - Q(-)--R(-)













76-80.

76.(1)

78.(5)

81-85.

From the conditions, Vani is playing Badminton and lives on floor number 8. Only five people live above the floors on which Priya lives. Only one person lives between Priya and the one who is playing Hockey, it means the one who is playing Hockey lives either 2nd floor or 6th floor. Only three people live between the ones who are playing Hockey and Polo. Uma lives immediately below the one who is playing Disc Throw. The one, who is playing Disc Throw lives on an even numbered floor, so only one place is left for who is playing Disc Throw now it is clear that Priya is playing Disc Throw. Babita is playing Football and lives immediately above Vani now it is clear that Babita lives on topmost floor.

Only two people live between Queen and the one who is playing Golf. The one, who is playing Golf lives below the floor on which Queen lives. So there is only one possibility that Queen will live on 6th floor. Case-1

Case-2

Floor	Person	Game	Floor	Person	Game
9	Babita	Football	9	Babita	Football
8	Vani	Badminton	8	Vani	Badminton
7			7		
6	Queen	Polo	6	Queen	Hockey
5			5		
4	Priya	Disc Throw	4	Priya	Disc Throw
3	Uma	Golf	3	Uma	Golf
2		Hockey	2		Polo
1		-	1		

Tisha lives immediately above Ria. Tisha is not playing Polo, From this condition case-2 will be eliminate. Because in case-2 there is no places for Tisha and Ria. Only case-1 will be continued with the remaining conditions.

With the rest conditions, the one who is playing Cricket does not live immediately above or immediately below Queen it means Ria is playing Cricket. Seema does not live immediately above or immediately below Priya so Seema will live on 7th floor. Veena is not playing Kabaddi so Seema will play Kabaddi. It will be fixed that Veena lives on 5th floor and is playing Bowling. We will get final answer.

