

IBPS PO Preliminary Grand Test – IPP-180811

HINTS & SOLUTIONS

6.(5)

7. (5)

8. (4)

9. (2)

10. (1)

11-15.

ANSWER KEY						
1. (5)	21. (2)	41. (4)	61. (1)	81.(4)		
2. (4)	22. (3)	42. (3)	62. (5)	82. (1)		
3. (4)	23. (3)	43. (5)	63. (1)	83. (5)		
4. (1)	24. (5)	44. (2)	64. (1)	84. (2)		
5. (5)	25. (1)	45. (3)	65. (2)	85. (3)		
6.(5)	26. (4)	46. (4)	66. (1)	86. (2)		
7. (5)	27. (2)	47. (5)	67. (4)	87. (5)		
8. (4)	28. (5)	48. (2)	68. (5)	88. (4)	- 1	
9. (2)	29. (4)	49. (3)	69. (1)	89. (2)		
10. (1)	30. (1)	50. (1)	70. (2)	90. (3)	١F	
11. (3)	31. (5)	51. (3)	71. (3)	91. (2)	27	
12.(5)	32. (2)	52. (1)	72. (4)	92. (4)		
13. (1)	33. (3)	53. (2)	73. (5)	93. (1)		
14. (3)	34. (3)	54. (5)	74. (3)	94. (5)	1	
15. (1)	35. (1)	55. (1)	75. (2)	95. (4)	/	
16. (4)	36. (2)	56. (2)	76. (1)	96. (3)	[
17. (1)	37. (1)	57. (3)	77. (2)	97. (1)		
18.(2)	38. (4)	58. (5)	78. (2)	98. (1)		
19.(3)	39. (1)	59. (1)	79. (5)	99. (4)		
20. (5)	40. (3)	60. (4)	80. (1)	100. (4)		

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1. (5) All the statements are correct. We can deduce our answer from first paragraph of the passage in which it has been mentioned the condition of agriculture sector and farmers in India.

Hence All the given sentences are correct.

2.(4) Refer the second paragraph of the passage in which it has been clearly mentioned the effects of Zero pricing power. Hence only statements (II) and (III) are correct. Refer the lines "Zero pricing of power for agriculture has indeed led to enhanced land productivity, but at the expense of over-mining ground water and seriously threatening our survival in the not too distant future. "

"The burden of zero-priced power for farmers was meanwhile borne by the state power sector utilities, leading to a build-up of power sector debt and default to the banking sector."

3. (4) Refer the third paragraph of the passage, from which we can deduce our answer as sentences (2) and (3). It has been clearly mentioned there the issues related to the MSP structure.

Sentence (1) is irrelevant in context of the passage.

Hence option (4) is the most appropriate choice.

Refer the lines "The whole picture is muddled by the fact that the open-ended commitment to absorb all produce at the announced price, implicit in an MSP, is most usually not honoured, on account of either fiscal or warehousing limits. There is the further problem that the MSP is payable to owners and not to tenants actually cultivating the land."

4. (1) Only Sentences (I), and (II) are correct. Sentence (III) is incorrect as state government can further make amendments to the prices. Sentence (IV) is incorrect as it not stated anywhere in the passage. Hence option (3) is the correct answer choice. Refer the third paragraph of the passage. 5. (5)

"Agricultural core of macroeconomic problem" is an appropriate title of the passage.

All of the given statements are correct.

Egregious means outstandingly bad; shocking. Hence all the words are similar in meaning to it.

Quell meaning put an end to (a rebellion or other disorder), typically by the use of force. Hence it has same meaning as quench, thwart and annihilate. Rile means make annoyed or irritated.

Incentivize means motivate or encourage (someone) to

do something; provide with an incentive. Hence it has opposite meaning as deter and dissuade.

Behest means a person's order or command.

Fragility means the quality of being broken or damaged.

Morphed means undergo or cause to undergo a gradual process of transformation. Hence it has opposite meaning as stabilize and stagnate.

Credible means acceptable, believable, convincing.

Mutilate means inflict a serious damage on.

GHABDCEF is the correct sequence of the given sentences.

G is the first sentence as the economic strength or fragility of Eurozone is under discussion in the given passage. H is suitable for the second sentence as Eurozone is compared with America which is going strong in comparison to Eurozone. The word "while" produces contrasting tone which was the requirement of the passage. A-B is the third combination which comes after G-H as the comparison is continued in these sentences. **D** is the fifth sentence as it is mentioned that "That is a reason why the European Central Bank is forced to keep interest rates so low", the reason was the fragility of European banks. Thus, there is a connection between B and D. C is the obvious choice for the next statement as because of the use of the word "boom" which was mentioned previously in statement **D**. It is mentioned in C that next vulnerability awaits Eurozone, the vulnerability is then discussed in statement E. The vulnerability is then elaborated in statement F.

11.(3)

13.(1)

15.(1)

16.(4) Of all the statements provided, Statement (II) and statement (III) are devoid of any errors. In case of statement (I) 'then' should be replaced with 'that'. This type of construction [It is when...that] is known as a

12.(5)

14. (3)

CLEFT SENTENCE, whose purpose is to place emphasis on the main clause complement. Hence, option (4) is the most suitable answer choice.

- 17. (1) Statements (II) and (III) contains errors in them. It is to be noted that the statement (II) is describing an incident of past, thus 'will' should be replaced with 'would'. Moreover, in statement (III) while using the phrase "as well as", the verb must be complied with the noun previous to the phrase. Therefore, to make the sentence grammatically correct, replace 'are primates' with 'is a primate'. Statement (I) is grammatically and contextually correct. Hence, option (1) is the most viable answer choice.
- 18.(2) Among all the statements, sentences (I) and (III) are grammatically correct and contextually meaningful, while there is an error in sentence (II). To make sentence (II) contextually correct replace 'effect' with 'affect' as affect can either mean "to influence" or "to act in a way that you don't feel." Effect typically means "a result." Since, sentence (I) and (III) are correct, option (2) becomes the most suitable answer choice.
- 19.(3) Statements (I) and (II) contains error in them. To make statement (I) grammatically correct replace "through" with "for", as "through" is used when moving in one side and out of the other side of (an opening, channel, or location), while 'for' is used to indicate time or duration. Moreover, in statement (II) the subject [construct of Indian nationalism] is singular, therefore, to comply with the rule of subject-verb agreement the verb associated with it should also be singular. Thus, "consist" should be replaced with its singular form i.e., "consists". Sentence (III) is grammatically correct and contextually meaningful. Hence, option (3) becomes the most viable answer choice.
- 20. (5) All the given sentences are grammatically correct and contextually meaningful; thus, they do not require any corrections. Hence, option (5) becomes the most feasible answer choice.
- 21. (2) Option (2) is the correct choice. 'Track down' means to find something or someone after looking for it, him, or her in a lot of different places.
 Founded means establish or originate (an institution or organization).
 Footprint means the impression left by a foot or shoe on the ground or a surface.

Overlooked means failed to notice.

22. (3) Option (3) is the correct choice. Here the author talks about scans of the skeleton of an animal and later describes about its characteristics, so the word "revealed" fits the best, as the scans will reveal something then only anyone would know about the characteristics of the animal.

Leaked means become known.

Confronted means come face to face with (someone) with hostile or argumentative intent.

Concealed means kept secret; hidden.

23. (3) Option (3) is the correct choice. "Wrote" is the word that fits the best here as the author talks about a science journal Nature afterwards. So, things are written in a science journal.

Autographed means a signature, especially that of a celebrity written as a memento for an admirer.



Associated means (of a person or thing) connected with something else.

Determined means having made a firm decision and being resolved not to change it.

- 24. (5) Option (5) is the correct choice. "Dragged" is the word that fits best in the context of the passage as here the author talks about some finding which took the research group several million years back in the past. Yawned means involuntarily open one's mouth wide and inhale deeply due to tiredness or boredom. Comered means (of a person or animal) forced into a place or situation from which it is hard to escape.
- 25. (1) Option (1) is the correct choice. Here the author is talking about a timeline since when the lizards have lived on this planet, so "inhabited" is the word that fits the best in the context of the passage.

Settled means sit or come to rest in a comfortable position.

26. (4) Option (4) is the correct choice. Here the author is talking about Megachirella, an ancestor of lizard and we can see that the whole paragraph is about the discovery of this species, so "discovered" is the word that fits best

in the context of the passage.

Overlooked means fail to notice.

Curtained means conceal or screen with a curtain.

27. (2) Option (2) is the correct choice. "Compacted" is the word that fits best in the context of the passage, as we know that the species Megachirella was discovered through its fossil and in fossils, usually skeletons are compacted in layers of sand and clay.

Compacted means become compressed by the exertion of force.

Flattened means make or become flat or flatter.

Condensed means made denser or more concise; compressed or concentrated.

Abbreviated means shortened; cut short.

28. (5) Option (5) is the correct choice. "Realized" is the word that fits best in the context of the passage, as you realize things (some feature) after looking at something, as mentioned in the passage.

• *Puzzled* means unable to understand; perplexed.

Masked means (of one's true character or feelings) concealed.

Accomplished means highly trained or skilled in an activity.

29. (4) Option (4) is the correct choice. "Detailed" is the word that fits best in the context of the passage, as the scientists hooked up with his colleagues to perform analysis on the skeleton to gain detailed knowledge. Complicated means involving many different and

confusing aspects.

Unvarnished means not covered with varnish.

30. (1) Option (1) is the correct choice. "Embedded" is the word that fits best in the context of the passage. Embedded means fix (an object) firmly and deeply in a surrounding mass. Fossils are normally embedded in rocks when they are found.

Detached means separate or disconnected. **Dislodged** means knock or force out of position. **Uprooted** means pull (something, especially a tree or plant) out of the ground.



Uranu	1621 - IAA 190911		
31. (5)	(i) $x^2 - 12x + 32 = 0$ $x^2 - 8x - 4x + 32 = 0$ x (x - 8) - 4 (x - 8) = 0 (x - 8) (x - 4) = 0 x = 8, 4	37. (1)	ATQ, $\Rightarrow 264x + 6400 - (6000 + 200x) = 1040$ $\Rightarrow 64x = 640 \Rightarrow x = 10\%$ Milk Water 70 30
	(ii) $y^2 - 20y + 96 = 0$ $y^2 - 12 y - 8y + 96 = 0$ y(y - 12) - 8 (y - 12) = 0 (y - 8) (y - 12) = 0 y = 8, 12 $y \ge x$		$\frac{55}{25 15}$ 5 : 3 Initial quantity of water = $\frac{3}{8} \times 80 = 30$ litre. Initial quantity of milk = $\frac{5}{8} \times 80 = 50$ litre.
32. (2)	(i) $2x^2 - 3x - 20 = 0$ $2x^2 - 8x + 5x - 20 = 0$ 2x (x - 4) + 5(x - 4) = 0 (x - 4) (2x + 5) = 0 $x = 4, -\frac{5}{2}$ (ii) $2y^2 + 11y + 15 = 0$ $2y^2 + 6y + 5y + 15 = 0$ 2y (y + 3) + 5 (y + 3) = 0 (2y + 5) (y + 3) = 0	38. (4)	Let the present age of veer be x yr. Age of Sneha = $\frac{x-6}{18}$ yr. ATQ, $\frac{x-6}{18} + 2 = 5$ $\Rightarrow x - 6 = 3 \times 18$ $\Rightarrow x = 60$ yrs. Age of veer after 6 years = 66 years Age of Sneha after 6 years = 3 + 6 = 9 years Required ratio = 22 : 3
33. (3)	$y = \frac{-5}{2}, -3$ $x \ge y$ (i) $x^2 - x - 6 = 0$ $x^2 - 3x + 2x - 6 = 0$ x (x - 3) + 2 (x - 3) = 0 (x - 3) (x + 2) = 0	OF BAA	Let the radius of third ball be x cm. ATQ, $\Rightarrow \frac{4}{3}\pi(3)^3 = \frac{4}{3}\pi(1.5)^3 + \frac{4}{3}\pi(2.5)^3 + \frac{4}{3}\pi(x)^3$ $\Rightarrow (3)^3 = (1.5^3 + 2.5^3 + x^3)$ $\Rightarrow 27 = 3.375 + 15.625 + x^3$
	$x = 3, -2$ (ii) $y^2 - 6y + 8 = 0$ $y^2 - 2y - 4y + 8 = 0$ y (y - 2) - 4 (y - 2) = 0 (y - 2) (y - 4) = 0 y = 2, 4 No relation can be established between x and y	40. (3)	⇒ $x^3 = 8$ ⇒ $x = 2$ cm ∴ the diameter of the third ball = 4 cm The original cost of TV = Rs 6000 Then, original raw material cost = Rs 2000 New cost of raw material = $2000 \times \frac{12}{5} = Rs 4800$ Original manufacturing exp. = Rs 6000 - 2000 = Rs 4000
34. (3)	(i) $x^2 + 14x - 32 = 0$ $x^2 + 16x - 2x - 32 = 0$ x (x + 16) - 2 (x + 16) = 0 (x - 2) (x + 16) = 0 x = -16, 2	RACI	New manufacturing exp. = $4000 \times \frac{5}{4} = Rs \ 5000$ New cost of TV = $4800 + 5000 = 9800$ Required $\% = \frac{3800}{6000} \times 100 = \frac{380}{6} = \frac{190}{3} = 63\frac{1}{3}\%$
	(ii) $y^2 - y - 12 = 0$ $y^2 - 4y + 3y - 12 = 0$ y(y - 4) + 3(y - 4) = 0 (y + 3) (y - 4) = 0 y = -3, 4 No relation can be established between x and y	41.(4)	Let export of country P in 2011 = 100x Export of country P in 2012 = 120x Import of country P in 2011 = $\frac{100x}{1} \times 2 = 200x$ Import of country P in 2012 = $\frac{120x}{2} \times 1 = 60x$ Chang in Import = $\left(\frac{200x-60x}{200x}\right) \times 100 = 70\%$
35. (1)	No relation can be established between x and y (i) $x^2 - 9y + 20 = 0$ $x^2 - 5y - 4y + 20 = 0$ x (x - 5) - 4 (y - 5) = 0 (x - 4) (x - 5) = 0 x = 4, 5	42. (3)	Ratio of export to import of Q in $2014 = \frac{14}{5}$ $14 - 5 \rightarrow 36$ $9 \rightarrow 36$ $1 \rightarrow 4$ So, export = $4 \times 14 = 56$ lakh
	(ii) $2y^2 - 12y + 18 = 0$ $2y^2 - 6y - 6y + 18 = 0$ 2y (y - 3) - 6 (y - 3) = 0 (2y - 6) (y - 3) = 0 y = 3, 3 x > y	43. (5)	Let import of country Q in 2013 = 5x So, import of country Q in 2015 $= \frac{125}{100} \times \frac{125}{100} \times 5x$ $= \frac{125}{15} x$
36. (2)	Let the rate of interest for the 3 rd year be x% per annum. Total SI = $\frac{20000 \times 10 \times 1}{100} + \frac{20000 \times 20 \times 1}{100} + \frac{20000 \times x \times 1}{100}$ = Rs. (6000 + 200x) CI for 2 years when rate is different for different years. $CI = P\left(1 + \frac{R_1}{100}\right)\left(1 + \frac{R_2}{100}\right) - P$ = 20000 $\left(1 + \frac{10}{100}\right)\left(1 + \frac{20}{100}\right) - 20000$ = Rs 6400 CI for 3 rd year = 26400 $\left(1 + \frac{x}{100}\right) - 26400$ = 264x	44. (2)	Export of country Q in 2013 = 6x Export of country Q in 2015 = $\frac{125}{16}x \times 1.4 = \frac{175}{16}x$ Required ratio $= \frac{6x}{\frac{275}{16}x} = \frac{96}{175}$ Let export of country P in 2014 be x So, import of country P in 2014 $= \frac{x}{2.5} \times 1 = \frac{2x}{5}$ Required $\% = \frac{2x}{5 \times x} \times 100 = 40\%$

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45. (3)	Let export of P in 2012 and import of Q in 2015 = 100x	53. (2)	10057 2197 3163 4383 5906 7781 [?]
	Import of P in $2012 = \frac{100x}{2} \times 1 = 50x$	55. (Z)	+966 +1220 +1523 +1875 +2276
	2		+254 +303 +352 +401
	Export of Q in 2015 = $\frac{100x}{1} \times 1.4 = 140x$		+49 +49 +49
	Required $\% = \frac{50x}{140x} \times 100 = 35\frac{5}{7}\%$	54. (5)	48 80 120 168 224 <u>288</u> ↑ ↑ ↑ ↑ ↑ ↑
46-50.	Let total budget alloted by government in the year 2016		$\uparrow \uparrow $
	and 2017 be 3x lakh cr. and 4x lakh cr respectively.	55.(1)	472.5 945 315 630 210 420
46. (4)	ATQ- $3x \times 24 \times 7 = 4025$ labb or		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
	$\frac{\frac{3 \times x 24}{100}}{x = 23500} \times \frac{2}{24} = 4935 \text{ lakh cr}$ x = 23500 lakh cr		······································
	Total budget allotted for transport and road construction in the year 2017	56. (2)	Let Ankita and Surbhi invested Rs 3x and 4x respectively. Ratio of share of profit of Ankita & Surbhi
	$=(4 \times 23500) \times \frac{24}{100}$		$= \left[3x \times 3 + \left(3x + 3x \times \frac{1}{2} \right) \times 9 \right] : \left[4x \times 3 + (4x - 400) \times 9 \right]$
	= 22560 lakh cr.		= (49.5x) : (48x - 3600)
47. (5)	$\frac{4x \times (16+14)}{100} - \frac{3x \times (22+14)}{100} = 9864 \ lakh \ cr.$		ATQ -
17.(3)	100 100 100 1.2x - 1.08x = 9864 lakh. Cr.		$\frac{(49.5x)}{(48x - 3600)} = \frac{(15250 - 7000)}{7000}$
	$x = \frac{9864}{0.12}$		$\frac{49.5x}{49.5x} = \frac{33}{2}$
	x = 82200 lakh. Cr.		$(48x - 3600)^{-28}$ 3x 1
	Total budget allotted for all the six sectors in the year 2016		$\frac{3x}{(48x-3600)} = \frac{1}{14}$
	= 3 × 82200 = 246600 lakh cr.	n	48x - 42x = 3600
10 (2)	ATQ-	BAN	x = 600 Rs Investment of Ankita = 600 × 3 = 1800 Rs
48. (2)	Total budget allotted for renewable energy & agriculture	-	Investment of Surbhi = 600 × 4 = 2400 Rs
	and Alliad industrias sactor in the year 2016	57. (3)	Lets man invested Rs 4P and 5P in two parts
	$=\frac{3x \times (14+16)}{100}$		ATQ - $4P \times 2 \times R$ $5P \times 3 \times (R - 7)$
	$=\frac{90x}{100}$ lakh cr		$\frac{4P \times 2 \times R}{100} = \frac{5P \times 3 \times (R-7)}{100}$
	Total Budget allotted for banking and healthcare sector in the year 2017		$8R = 15R - 105$ $R = \frac{105}{7}$
	$=\frac{4x \times (14+10)}{100}$		R = 15%
	$=\frac{96x}{100}lakhcr.$	L.	_ ATQ,
	Required percentage		Equivalent two year CI at the rate of 20% = $20 + 20 + \frac{20 \times 20}{100} = 44$
	$=\frac{100-100}{960} \times 100$		Total interest = $22500 \times \frac{44}{100}$
	$=6\frac{1}{4}\%$	C. A	= 9900 Rs
49. (3)	Total budget allotted for railways and banking sector in	58. (5)	Days Work Efficiency Veer 40 6unit/day
	the year 2017		240
	$=\frac{4x \times (22+14)}{100}$		Sameer 80 3unit/days
	= 1.44x lakh cr.		Let efficiency of satish is x unit/day
	Total budget allotted for agriculture and allied industries & transport and road construction sector in the year 2017	-0	ATQ - 6 × 22.5 + 3 × 15 + (6 + x) $\times \frac{12}{12} = 240$
	$=\frac{3x \times (16+24)}{2}$	アイ	$6 \times 22.5 + 3 \times 15 + (6 + x) \times \frac{12}{2} = 240$ 135 + 45 + 36 + 6x = 240
	100 = 1.20x lakh cr		6x = 240 - 216
	Required ratio = $\frac{1.44x}{1.20x}$		$x = \frac{24}{6}$
	= 6 : 5		x= 4 unit/day Time taken by Veer, Sameer, Satish together →
50. (1)	ATQ-		$=\frac{240}{(6+3+4)}$
	$\frac{4x \times 14}{100} - \frac{3x \times 10}{100} = 21372 \text{ lakh cr}$		(6+3+4) = $\frac{240}{13}$ = $18\frac{6}{13}$ days
	.56x30x = 21372 lakh cr		
	$x = \frac{21372}{.26}$ x = 82200 lakh cr.	59. (1)	SP of trader A = 1000 $\left(\frac{100+x}{100}\right)$ Definition to $1000 \left(\frac{100+x}{100+x}\right)$ 1000
	Required average		Profit of trader A = $1000\left(\frac{100+x}{100}\right) - 1000$ MP of trader B = $2000\left(\frac{100+2x}{100}\right)$
	$=\frac{(4\times82200)\times\frac{(22+24)}{100}}{2}$		SP of trader B = $2000 \left(\frac{100}{100}\right) \left(\frac{100-x}{100}\right)$
			Profit of trader B = $2000 \left(\frac{100}{100}\right) \left(\frac{100-x}{100}\right) = 2000$
	$=\frac{151248}{2}$ = 75624 lakh cr.		Both make the same profit.
	- / 502+ IdKII (I.		i.e.
51. (3)	7 5 6 12 40 ?		$\Rightarrow 1000 \left(\frac{100+x}{100}\right) - 1000 = 2000 \left(\frac{100+2x}{100}\right) \left(\frac{100-x}{100}\right) - 2000$ $\Rightarrow 1000 \left(1 + \frac{x}{100}\right) + 1000 = 2000 \left(1 + \frac{2x}{100}\right) - 2000$
	×1-2 ×2-4 ×3-6 ×4-8 ×5-10		$\Rightarrow 1000 \left(1 + \frac{x}{100}\right) - 1000 = 2000 \left(1 + \frac{2x}{100}\right) \left(1 - \frac{x}{100}\right) - 2000$ $\Rightarrow 1000 + 100 = (2000 + 400) \left(1 - \frac{x}{100}\right) - 2000$
52. (1)	? 22 29 48 87 154 257		$\Rightarrow 1000 + 10x - 1000 = (2000 + 40x) \left(1 - \frac{x}{100}\right) - 2000$ $\Rightarrow 10x = 2000 - 20x + 40x - \frac{4x^2}{10} - 2000$
	+7 +19 +39 +67 +103		$\Rightarrow 10x = 2000 - 20x + 40x - \frac{10}{10} - 2000$ $\Rightarrow -10x = \frac{-4x^2}{10} \Rightarrow 100x = 4x^2$
	+12 +20 +28 +36		$\Rightarrow 10x - \frac{1}{10} \Rightarrow 100x - 4x$ $\Rightarrow x = 25\%$
	+8 +8 +8		
	4		

60. (4) P (Red)
$$= \frac{1}{2} \times \frac{4}{7} + \frac{1}{2} \times \frac{2}{5}$$

 $= \frac{2}{7} + \frac{1}{5} = \frac{10+7}{35}$
 $= \frac{17}{35}$

- 61. (1) $? = \frac{5612 1394}{740} \times 100 = 570$
- 62. (5) ? = 4207 3007 = 1200
- 63. (1) ? = 21 × 41 89 = 772 64. (1) $\frac{25}{3} \times \frac{12}{5} + ? = \frac{85}{6} \times \frac{54}{17}$ $5 \times 4 + ? = 9 \times 5$? = 45 - 20 ? = 25
- 65. (2) $? = \frac{117 \times 247}{13 \times 65 \times 10} = 3.42$
- 66. (1)

For I- Since there is no direct relation between the elements Shark and dolphin, therefore we cannot conclude that no Shark is Dolphin.

For II- From the venn diagram, it is clear that some fish are penguin and no shark is penguin. Hence, some fish which are penguin are not shark. So, conclusion II follows.

For III- From the venn diagram, it is clear that All dolphin are fish and some crocodile is dolphin. So, we can say that some Crocodile are Fish. Hence, conclusion III follows.

67. (4)



For I- Since there is no direct relation between the elements thriller and horror, therefore we cannot conclude that some thriller are Horror.

For II- Since there is no direct relation between the elements action and horror, therefore we cannot conclude that some action are Horror.

For III- Since there is no direct relation between the elements thriller and horror, therefore we cannot conclude that No thriller are horror. Hence, conclusion III cannot be concluded.

Since in conclusion I and III we have same elements and it is a case of SOME and NO hence either I or III follows will be concluded.

68. (5)



For I- From the venn diagram, it is clear that all Sizuka are nobita, no nobita is sunio and some sunio are zian which is also not Nobita. Hence, the conclusion I follows. For II- From the venn diagram, it is clear that all doremon are nobita and no nobita is sunio. Hence, the conclusion II does not follows.

For III- From the venn diagram, it is clear that all doremon is nobita and no nobita is sunio. Hence, some



zian which is sunio is also not nobita. Hence , conclusion III can be concluded.

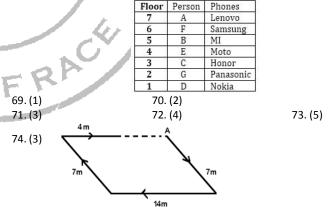
69-73. There are three floors between A and C, who likes Honor brand phone. C does not live on an even numbered floor. Two persons lives between E and A. So, there will be four possible cases,

	Case 1		Case 2		Case 3		Case 4	
Floor	Person	Phones	Person	Phones	Person	Phones	Person	Phones
7	С	Honor			A			
6	E	2						
5			С	Honor			A	
4			E		E			
3	A				С	Honor		
2					2	с. 	E	
1			A				С	Honor

Now, B does not live on the first floor of the building and does not likes Lenovo brand phone. No two persons lives on the floor immediately above or immediately below according to the English alphabet (i.e. C does not live immediately above or below the floor on which B and D lives). Two persons lives between B and G, who likes Panasonic. G lives one of the floor below B. So, case 2 and case 4 will be eliminated.

	Case	e 1	Ca	se 3
Floor	or Person Phones Person		Person	Phones
7	С	Honor	A	
6	E		F	
5	В	Lenovo	В	Lenovo
4	F		E	
3	A	14	С	Honor
2	G	Panasonic	G	Panasonic
1	D		D	

The one who likes Lenovo brand phone lives one of the floor above E. So, case 1 will be eliminated. Continuing with case3. The one who lives immediately above the one like Moto phone likes MI brand phone. A does not like MI brand phone. F does not like Lenovo Nokia brand phone, so A likes Lenovo. E does not like Nokia and Samsung brand phone. The final arrangement is:



= (14-4) m = 10m

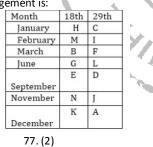
- 75. (2) Total number of children = [(15+4+8)-1] = 27 - 1 = 26
- **76-80.** Box M is delivered just before Box I in the same month having less than 31 days. Four boxes are delivered between Boxes I and E. Box K is delivered on even date and in the month having 31 days but not in March. Box K is delivered after Box E. H is delivered first. Box D is delivered in the same month as Box E. We get 4 possibilities:

	Ca	ase 1		Case 2	30	Case 3		Case 4
Month	18th	29th	18th	29th	18th	29th	18th	29th
January	Н		Н		Н		Н	
February	М	Ι	Е	D				
March	i i		1		Е	D	î.	
June			М	Ι			E	D
September	Е	D			М	I		
November							М	I
December	К		К		К		K	

Box B is delivered just before the month in which Box G is delivered but on the same date such that one is delivered in the month having 30 days and another in the month having 31 days. Box G is not delivered the last, so case2 , 3, 4 get eliminated and we get 2 possibilities in case1.

	Ca	ase 1a	Case1	b
Month	18th	29th	18th	29th
January	Н		Н	
February	М	I	М	Ι
March	В		Q (В
June	G			G
September	Е	D	Е	D
November	8			
December	К		К	

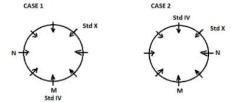
Boxes F, L and D are delivered in exact sequence on the same dates of consecutive months, So, case1b gets eliminated. Five boxes are delivered between Boxes C and A, but the boxes delivered in the months having 30 days are excluded, So, box C or box A are placed either on 29th January or 29th December, but the number of boxes delivered between Boxes C and F is less than those delivered between Boxes A and F. So, C is delivered before A. Box N is one of the boxes and does not delivered on the same date on which box A is delivered. Box J is delivered in the month having 30 days but not just after Box G, So box J is delivered on 29th November. The final arrangement is:



76.(1) 78.(2)

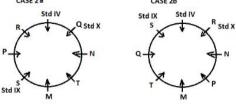
80.(1)

79.(5) M sits third to the left of the one who study in Std. X. 81-85. Only one person sits between M and N, who sits second to the left the one who study in Std. IV.

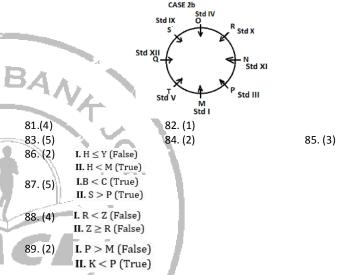


Only two persons sits between T and the one who study in Std. IV. T does not study in Std. X. S studies in Std. IX and sits second to the left of T. So, case 1 will be eliminated and there will be two possibilities in case 2.

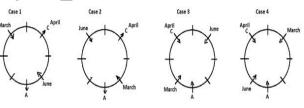
Now, S sits second to the right of R. Q sits third to the left of P, who does not study in Std. IV. CASE 2b CASE 2a



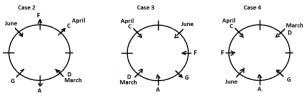
The one who studies in Std. V sits third to the right of O and second to the left of the one who studies in Std. III. So, from these case 2a will be eliminated. The one who studies in Std. I sits second to the left of the one who studies in Std. XI. The one who studies in Std. XII faces the one who studies in Std. XI.



C was born in April and sits third to the left of A. Both C 90-94. and A face same direction. Only one person sits between C and the one who was born in March. The one who was born in the month of march faces the one who was born in the month of June. So, there will be four possible cases.



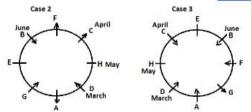
Only one person sits between G, who was born in one of the months after April having 31 days and the one who was born in June. D was born in the month having 31 days and sits second to the right of G. F faces same direction as A and sits third to the right of D. So, case 1 will be eliminated.



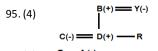
I RACE

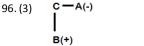


E and B are immediate neighbours of each other. Only one person sits between F and E. So, case 4 will be eliminated as there is no place for E and B. Now, B is born in June in both the remaining cases. F was born in one of the month after May. Only two person sits between G and the one who was born in the month of May. E was not born in the month having 31 days. So, H was born in May. Also, G and F are born in the months after may having 31 days therefore either they are born in July or in August.



The one who was born in the month of January_sit opposite to the one who was born in the month immediately after G."So, G is born in July and F in august , So case3 gets eliminated. E faces outside and H faces opposite direction to E.





97-100.	Word	Code			
	Black	ху			
	Violet	cz			
	Red	bv			
	Purple	dr			
	Pink	uj			
	Blue	mn			
	White	ry			
	Green	lo			
97.(1)		98. (1)			
99. (4)		100. (4)			

Pebruary 91. (2) 93. (1) 94. (5)

90. (3) 92. (4)