

IBPS PO Preliminary Grand Test –IPP-180805

HINTS & SOLUTIONS

ANSWER KEY

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

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1. (2) The first sentence of the second paragraph is about revelation made by Israeli Prime Minister Benjamin Netanyahu regarding Iranian nuclear weapons development which is the excuse Trump needed to exit from the JCPOA.
Hence option (2) is the most appropriate choice to be made.
All the other options are not the correct explanations.
2. (3) Option (3) is the correct choice for the given question.
Given teeth means to make something powerful; to give something a real effect.
Succour means assistance and support in times of hardship and distress.
3. (2) From third paragraph of the passage, we can infer that the sentence (2) is responsible for making the sanctions on Iran effective. It has been mentioned that if Europe, along with Russia and China do not cooperate with U.S. then sanctions regime will be ineffective. Hence option (2) is the correct choice. Refer the lines "If Europe, along with Russia and China, refuses to play ball with the US, the sanctions regime will be ineffective."
4. (5) All the given consequences are correct.
We can conclude from fourth paragraph that the sanctioning by U.S. may lead to doubling down the

nuclear weapons programme, expansion of regional influence and regime collapse in Iran.

Hence option (5) is the most correct choice.

Refer the lines "The Trump administration may be secretly hoping that sanctions will lead to a regime collapse in Iran. This is an idea fraught with danger. A regime collapse risks a more hardline section in Iran gaining power. The new rulers may choose to double down on the nuclear weapons programme and expand regional influence."

5. (2) Refer the last paragraph of the passage in which it is clearly stated that the reimposing of the sanctions will make Iran offer oil on favourable terms to India. Hence only option (2) will be correct.

Refer the line "India has many other oil suppliers ready to move in if imports from Iran get disrupted. Reimposition of sanctions may even make Iran offer oil on favourable terms to India."

6. (2) 'has given' is the correct phrase to be replaced that is delivering the correct meaning to the sentence.

In this sentence, Trump's efforts to exit the deal has been mentioned. Hence, the sentence is talking about the incident of present as used in the first part of the sentence 'has been running'. Hence 'had' will not be used.

'Has been' is used to express something that has begun in the past and is continuing or progressing till present. In the sentence, a complete action is mentioned that is Trump has already given his impression to exit the deal. Therefore, 'has' will be used.

'has been given' used in the sentence is the passive voice which is also incorrect.

Hence option (2) will be the most appropriate choice.

7. (5) Unravel means become undone.

Slump means sit, lean, or fall heavily and limply.

Disintegrate means break up into small parts as the result of impact or decay.

Hence all the words are similar in meaning with unravel.

8. (5) Perforce means used to express necessity or inevitability.

None of the given words is similar in meaning with Perforce.

Fragility means the quality of being easily broken or damaged.

Collude means come to a secret understanding.

Predicament means a difficult, unpleasant situation.

Sedate means calm, dignified and unhurried.

9. (1) Fraught means causing or affected by anxiety or stress. Hence it has opposite meaning as repose.

Meticulous means showing great attention or careful.

Gullible means easily persuaded to believe something.

10. (2) Abide means accept or act in accordance with (a rule, decision, or recommendation).

Hence spurn and flout are opposite in meaning as 'abide by'.

Nefarious means wicked or criminal.

Vaunt means boast about or praise.

11. (2) To make the sentence grammatically correct, replace the phrase given in bold with [has already begun]. Here, "already" is an adverb which should be placed in the mid position in the sentence i.e., after the first auxiliary verb or after a modal verb when more than one verb is present. Moreover, the subject [The banking industry] is singular, therefore, the verb associated with the subject should also be in its singular form. Hence, option (2) becomes the most suitable answer choice.
12. (4) The sentence can be made grammatically correct and contextually meaningful by replacing the phrase given in bold by [but mere thinking cannot give]. "rather" is an adverb which is used to indicate one's preference in a particular matter. However, there's no comparison provided. Therefore, the correct conjunction to provide the sentence a contextual meaning should be "but" or "yet". The conjunction "but" is used to introduce a phrase or clause contrasting with what has already been mentioned. However, option (3) is contextually incorrect. Hence, option (4) becomes the most viable answer choice.
13. (5) The given sentence is grammatically correct and contextually meaningful. As, the phrase given in bold completely justifies the grammatical and contextual structure of the sentence, it does not require any correction or replacement. Hence, option (5) becomes the most suitable answer choice.
14. (3) To make the sentence grammatically correct, replace the phrase given in bold by [I find that for the first time]. It is to be noted that the definite article "the" is used before ordinal numbers such as 'first', 'second', 'third' etc. Moreover, the correct phrase with no grammatical errors is option (3) which is making the sentence contextually correct. Thus, it becomes the most suitable answer choice.
15. (2) The correct phrase that should replace the incorrect phrase in bold should be "restricts the number of visitors". It is to be noted that the subject [the hospital] in the sentence is singular which should be associated with the singular verb, hence the correct form of verb should be "restricts". Moreover, the expression "the number of" always takes a plural noun hence, option (2) becomes the most viable choice to replace the phrase given in bold to make the sentence grammatically correct.
16. (1) The sentence can be made grammatically correct and contextually meaningful by replacing the phrase given in bold [I needed work that could] by [I need work that will]. All the other given expressions fail to be grammatically correct. Hence, option (1) becomes the most suitable answer choice.
17. (4) The sentence can be made grammatically correct and contextually meaningful by replacing the phrase given in bold [she had done hurrying] by [she could do to hurry]. All the other given expressions fail to be grammatically correct. Hence, option (4) becomes the most suitable answer choice.
18. (2) When the actions performed by the doer is more than one then we use active voice for those actions.
19. (2) The correct phrase that should replace the incorrect phrase given in bold should be "Henry's life changed drastically". It is to be noted when a living thing owns something, apostrophe (') and "s" is used while when a non-living thing "owns" something, "of" is used; example– "Mr. Sharma's hat" and, "The cap of the pen". Therefore, option (2) becomes grammatically as well as contextually correct answer choice.
20. (5) The given sentence is grammatically correct and contextually meaningful. As, the phrase given in bold completely justifies the grammatical and contextual structure of the sentence, it does not require any correction or replacement. Hence, option (5) becomes the most suitable answer choice.
21. (1) In the paragraph an analogy has been considered about how an individual always seeks for answers from nature for his problems. This phenomenon has been explained by the author to describe the problems associated with blockchain and the solutions to overcome them. Therefore, to make the sentence of the paragraph coherent, replace the word given in bold i.e., "tied" with "pondered". 'Pondered' is a verb which means to think about (something) carefully, especially before making a decision or reaching a conclusion. All the other words fail to make the paragraph coherent. Hence, option (1) becomes the most suitable answer choice.
22. (4) Read the paragraph carefully. In order to make the sentence of the paragraph coherent replace the word given in bold i.e., "profession" with "endeavours". 'Profession' is used incorrectly as it cannot be profession of anyone to study the principle of nature to solve one's problems. However, 'Endeavours' is used as a noun which means an attempt to achieve a goal. All the other words fail to replace the word given in bold. Hence, option (4) becomes the most viable answer choice. Fling means throw or hurl forcefully. Passivity means acceptance of what happens, without active response or resistance.
23. (3) As, the paragraph has mentioned about how individuals look for their solutions from nature. In the given sentence the author has given certain examples as well comparing the innovations made by humans with the nature. Thus, to make the sentence comprehensive replace the word given in bold with "designed". All the other words fail to replace the word given in bold to make the sentence coherent. Hence, option (3) becomes the most suitable answer choice.
24. (3) After carefully reading the paragraph, it is to be noted that the conjunction "yet" has been used to describe the characteristics of the problem. 'Yet' is used to express a contradiction in the statement. Since, the previous adjective is "simple" the adjective that should be connected along with the conjunction must be "complex" to make the sentence grammatically correct and contextually meaningful. All the other words are irrelevant with the context of the paragraph. Hence, option (3) becomes the most feasible answer choice.
25. (1) The paragraph has provided several examples comparing the problems and solutions between humans and nature. Therefore, the most suitable word that fits the blank is "inspired" as the author has compared microbes with DLT or blockchain. None other word replaces the given word in bold to make the sentence grammatically correct or contextually meaningful. Hence, option (1) becomes the most suitable answer choice.
26. (5) The word given in bold is absolutely correct and provide complete coherence to the theme of the paragraph. It does not require any corrections or replacement. Hence, option (5) becomes the most suitable answer choice.

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27. (4) The most suitable word to replace the given in bold in order to make the context of the paragraph comprehensive is "relevance". 'Relevance' is a noun which means the quality or state of being closely connected or appropriate. All the other words fail to make the paragraph grammatically correct and contextually meaningful. Hence, option (4) becomes the most suitable answer choice.

28. (5) The word given in bold is absolutely correct and provide complete coherence to the theme of the paragraph. It does not require any corrections or replacement. Hence, option (5) becomes the most suitable answer choice.

29. (2) Read the sentence of the paragraph carefully. Since the sentence mentions about the transaction being recorded between the two parties, therefore, the appropriate preposition to be used is "between". It is to be noted that between is used when naming distinct, individual items (can be 2, 3, or more) while among is used when the items are part of a group, or are not specifically named (must be 3 or more). Hence, option (2) becomes the most suitable answer choice.

30. (1) Since, the paragraph is describing about several benefits of the blockchain. The word that appropriately fills the blank has to be of a positive note. 'Perpetual' is an adjective which means occurring repeatedly; so frequent as to seem endless and uninterrupted. All the other words fail to replace the word given in bold. Hence, option (1) becomes the most viable answer choice. Muddled means not arranged in order; untidy. Disordered means disrupt the systematic functioning or neat arrangement of.

31. (2) Let 'A' and 'B' alone can do the work in 'x' and 'y' days respectively.

If 'A' starts the work it completed in $17\frac{1}{4}$ days

⇒ 'A' worked for 9 days & 'B' worked for $8\frac{1}{4}$ days.

$$\Rightarrow \frac{9}{x} + \frac{33}{4y} = 1 \quad \dots(i)$$

If 'B' starts the work it completed in 17 days ⇒ 'B' worked for 9 days and 'A' worked for 8 days

$$\Rightarrow \frac{8}{x} + \frac{9}{y} = 1 \quad \dots(ii)$$

On solving (i) & (ii)

$$x = 20, y = 15$$

⇒ 'B' alone can complete the work in 15 days

32. (5) Let amount invested by 'B' = x

⇒ Amount invested by 'A' = 2.5x

Let, time period for which 'A' invested = 2y

⇒ Time period for which 'B' invested = $\frac{2y}{2} \times 3 = 3y$

Ratio between profit share of A to B = $2.5x \times 2y : x \times 3y$

$$= 5 : 3$$

ATQ,

$$(5 - 3) \rightarrow 450$$

$$\Rightarrow 2 \rightarrow 450$$

$$\therefore 8 \rightarrow \frac{450}{2} \times 8 = \text{Rs } 1800$$

Total profit earned by 'A' & 'B' together = Rs 1800

33. (2) Let side of square = x

⇒ breadth of rectangle = x

⇒ length of rectangle = 1.5x

ATQ,

Area of rectangle - area of square = 72

$$1.5x \times x - x^2 = 72$$

$$\Rightarrow 1.5x^2 - x^2 = 72$$

$$\Rightarrow x^2 = \frac{72}{0.5}$$

$$= x = 12$$

Perimeter of rectangle = $2(x + 1.5x)$

$$= 2 \times 2.5 \times 12$$

$$= 60 \text{ cm}$$

34. (5) Eight years ago Priya's age is 25% less than Sheetal's age

Let, Sheetal's age eight years = 4x

⇒ Priya's age eight year ago = 3x

Sheetal's and Priya's present age is '4x + 8' and '3x + 8' respectively.

Let, Ritu's present age = y

ATQ,

$$\frac{4x + 8}{y} = \frac{4}{5}$$

$$5x + 10 = y$$

And,

$$y - (3x + 8) = 10$$

$$\Rightarrow 5x + 10 - 3x - 8 = 10$$

$$\Rightarrow 2x = 8$$

$$\Rightarrow x = 4$$

Sheetal's present age = 4x + 8

$$= 16 + 8 = 24 \text{ year}$$

35. (3) Let cost price of 1000 gm be Rs 1000

He makes cheating of 20% at the time of

buying goods so he got

$$= 1000 + 200 = 1200 \text{ gm in Rs } 1000$$

At time of selling he is selling 25% less means

he is selling 3 unit instead of 4 unit

$$3 \text{ unit} = 1200 \text{ gm}$$

$$1 \text{ unit} = 400 \text{ gm}$$

$$4 \text{ unit} = 1600 \text{ gm}$$

He promises to sell goods at 10% profit.

Means he sells 1600 gm at 10% profit.

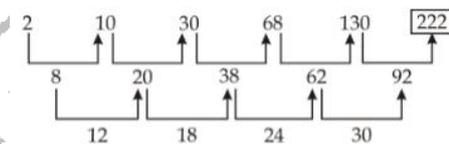
$$= \frac{1600 \times 110}{100} = \text{Rs } 1760$$

∴ Total profit percent

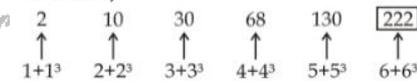
$$= \frac{1760 - 1000}{1000} \times 100$$

$$= 76\%$$

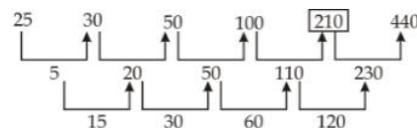
36. (2)



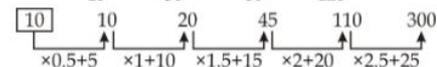
Alternate,



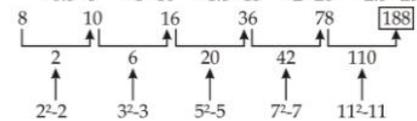
37. (4)



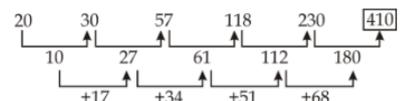
38. (3)



39. (2)



40. (1)



41. (5) Total number of 'Revolution 2020' sold on 15% discount in Delhi and Mumbai book fairs together

$$= (1280 + 1440) \times \frac{47}{68}$$

$$= 1880$$
 Total number of sold 'The 3 mistakes of my life' sold in Ahmedabad and Bangalore

$$= \frac{720}{[100 - (10 + 30)]} \times 30 + \frac{960}{[100 - (32 + 20)]} \times 20$$

$$= 360 + 400$$

$$= 760$$
 Required ratio = $\frac{1880}{760} = 47 : 19$
42. (4) Average number of '2 states' sold in Mumbai and Ahmedabad book fairs

$$= \frac{1440}{20} \times 38 + \frac{720}{60} \times 10$$

$$= \frac{2736 + 120}{2}$$

$$= \frac{2856}{2}$$

$$= 1428$$
 Average number of 'Revolution 2020' sold in Delhi and Kolkata book fairs

$$= \frac{1280 + 840}{2}$$

$$= \frac{2120}{2}$$

$$= 1060$$
 Required difference = $1428 - 1060 = 368$
43. (1) Total old printed edition of novel 'Revolution 2020' from Delhi, Kolkata and old printed of '2 states' sold in, Mumbai and Bangalore book fairs.

$$= (1280 + 840) \times \frac{23}{53} + \left(\frac{1440}{20} \times 38 + \frac{960}{48} \times 32 \right) \times \frac{3}{8}$$

$$= 920 + (2736 + 640) \times \frac{3}{8}$$

$$= 920 + 1266$$

$$= 2186$$
44. (1) Total number of 'The 3 Mistakes of my life' sold in Delhi, Mumbai, and Bangalore book fairs

$$= \frac{1280}{40} \times 22.5 + \frac{1440}{20} \times 42 + \frac{960}{48} \times 20$$

$$= 720 + 3024 + 400$$

$$= 4144$$
 Total number of 'Revolution 2020' sold in Kolkata and Ahmedabad book fairs

$$= 840 + 720$$

$$= 1560$$
 Required difference = $4144 - 1560 = 2584$
45. (5) Total number of '2 states' novel sold but not purchased by female customers in Kolkata and Bangalore book fair, which did not purchase by female customers

$$= \frac{840}{30} \times 50 \times \frac{(100 - 20)}{100} + \frac{960}{48} \times 32 \times \frac{(100 - 15)}{100}$$

$$= 1120 + 544$$

$$= 1664$$
46. (4) Required difference = $2400 \times \left[\frac{17.5 + 12.5 - 10 - 15}{100} \right]$

$$= 24 \times [30 - 25]$$

$$= 24 \times 5 = 120$$
47. (2) Required percentage = $\frac{20 + 12.5 - 25}{25} \times 100$

$$= \frac{32.5 - 25}{25} \times 100$$

$$= \frac{7.5}{25} \times 100$$

$$= 30\%$$

48. (3) Let price of one share of 'SAIL' = x
 \Rightarrow Price of one share of 'TCS' = $1.5x$
 Total shares of 'SAIL'

$$= \frac{10}{100} \times 2400 = 240$$
 Total shares of 'TCS'

$$= \frac{12.5}{100} \times 2400 = 300$$
 Total Amount spend by Satish on 'SAIL'

$$= x \times 240 = 240x$$
 Total Amount spend by Satish on 'TCS'

$$= 1.5x \times 300 = 450x$$
 Required ratio = $\frac{240x}{450x} = \frac{8}{15}$
49. (5) Average no. of shares of HCL, ONGC and WIPRO bought by Satish = $\frac{2400}{3} \times \frac{(25+20+17.5)}{100}$

$$= \frac{2400}{300} \times 62.5$$

$$= 500$$
50. (1) Total shares of WIPRO bought by Satish

$$= \frac{17.5}{100} \times 2400 = 420$$
 Total shares of TATA STEEL and DLF bought by Satish = $1.2 \times 420 + 1.3 \times 420$

$$= 504 + 546 = 1050$$
 Required average = $\frac{1050}{2} = 525$
51. (2) Let cost price of an article = $100x$
 Mark price of an article = $100x \times \frac{135}{100} = 135x$
 ATQ,

$$135x \times \frac{80}{100} - 100x = 96$$

$$\Rightarrow 108x - 100x = 96$$

$$\Rightarrow x = \frac{96}{8} = 12$$
 Retailer's profit if he sells article at 15% discount

$$= 135x \times \frac{85}{100} - 100x$$

$$= 114.75x - 100x$$

$$= 14.75x$$

$$= 14.75 \times 12$$

$$= 177$$
52. (5) Let present age of Manish = x
 \Rightarrow Present age of Amit = $1.5x$
 Manish's age five years ago = $x - 5$
 Amit's age five years ago = $2(x - 5)$

$$= 2x - 10$$
 But amit's age five years ago also equals to $(1.5x - 5)$

$$\Rightarrow 2x - 10 = 1.5x - 5$$

$$\Rightarrow 0.5x = 5$$

$$\Rightarrow x = 10$$
 Lalit's age five years hence = $10 + 5 + 1.5 \times 10 + 5$

$$= 15 + 15 + 5$$

$$= 35$$
 Lalit's present age = $35 - 5 = 30$
53. (4) Ratio of efficiency of Neha and Ritu = $15 : 10 = 3 : 2$
 Ratio of time taken by Neha and Ritu alone to complete the work = $2 : 3$
 Ratio of time taken by Ritu and Priya alone to complete the work = $2 : 1$
 \Rightarrow Ratio of time taken by Neha, Ritu and Priya alone to complete the work = $4 : 6 : 3$
 ATQ,

$$\frac{4}{3} = \frac{x}{x - 15}$$

$$\Rightarrow 4x - 60 = 3x$$

$$\Rightarrow x = 60$$
 Neha alone can do the work in 60 days
 Priya alone can do the work in $(60 - 15 = 45)$ days
 Ritu alone can do the work = $\frac{60}{4} \times 6 = 90$ days

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Work done by Neha, Priya and Ritu together in one day

$$= \frac{1}{60} + \frac{1}{45} + \frac{1}{90} = \frac{3+4+2}{180}$$

$$= \frac{9}{180} = \frac{1}{20}$$

Time taken by Neha, Priya & Ritu together to complete the work = 20 days

54. (2)

Let, total distance = $4x$
 Let, speed of train in second part = y
 \Rightarrow Speed of train in first part = $2y$
 Distance covered by train in first part = $3x$
 Distance covered by train in second part = x
 ATQ,

$$64 = \frac{4x}{\frac{3x}{2y} + \frac{x}{y}}$$

$$\Rightarrow \frac{64}{4} = \frac{1}{\frac{3+2}{2y}}$$

$$\Rightarrow 2y = 16 \times 5$$

$$\Rightarrow 2y = 80 \text{ kmph}$$
 Speed of train in first part = $2y=80 \text{ kmph}$

55. (3)

Starting four prime number = 2, 3, 5, 7
 Total two digit numbers can be formed = $4 \times 4 = 16$
 Numbers which are divisible by 3
 = {27, 72, 57, 75, 33}
 Required probability = $\frac{5}{16}$

56. (1)

(I) $5x^2 - 25x - 6x + 30 = 0$
 $5x(x-5) - 6(x-5) = 0$
 $(x-5)(5x-6) = 0$
 $x = 5, \frac{6}{5}$
 (II) $8y^2 - 8y - 4y + 4 = 0$
 $8y(y-1) - 4(y-1) = 0$
 $y = 1, \frac{1}{2}$

57. (5)

(I) $7x^2 - 14x - 3x + 6 = 0$
 $7x(x-2) - 3(x-2) = 0$
 $(7x-3)(x-2) = 0$
 $x = 2, \frac{3}{7}$
 (II) $5y^2 - 20y - 4y + 16 = 0$
 $5y(y-4) - 4(y-4) = 0$
 $y = 4, \frac{4}{5}$
 No relation

58. (5)

(I) $13x^2 + 13x - 4x - 4 = 0$
 $13x(x+1) - 4(x+1) = 0$
 $(13x-4)(x+1) = 0$
 $x = -1, \frac{4}{13}$
 (II) $2y^2 + 3y - 2y - 3 = 0$
 $y(2y+3) - 1(2y+3) = 0$
 $(y-1)(2y+3) = 0$
 $y = 1, -\frac{3}{2}$
 No relation

59. (1)

$3x^2 - 36x - 24x + 288 = 0$
 $3x(x-12) - 24(x-12) = 0$
 $(x-12)(3x-24) = 0$
 $x = 12, 8$
 (II) $4y^2 - 24y - 26y + 156 = 0$
 $4y(y-6) - 26(y-6) = 0$
 $(y-6)(4y-26) = 0$
 $y = 6, \frac{26}{4}$
 $x > y$

60. (5)

(I) $15x^2 + 15x - 5x - 5 = 0$
 $15x(x+1) - 5(x+1) = 0$
 $(x+1)(15x-5) = 0$
 $x = -1, \frac{1}{3}$
 (II) $6y^2 + 6y - 4y - 4 = 0$
 $6y(y+1) - 4(y+1) = 0$
 $(y+1)(6y-4) = 0$
 $y = -1, \frac{2}{3}$
 No relation

61. (3)

$79.98\% \text{ of } ? = \sqrt{249.98 \times 44.04 + 40\% \text{ of } 8499}$
 $80\% \text{ of } ? \approx \sqrt{250 \times 44 + \frac{40 \times 8500}{100}}$
 $\Rightarrow \frac{80}{100} \times ? \approx \sqrt{11000 + 3400}$
 $\Rightarrow ? \approx \sqrt{14400} \times \frac{10}{8}$
 $\Rightarrow ? \approx 120 \times \frac{10}{8} = 150$

62. (1)

$? \times 40.001 + 24.02 \times 27.05 = \frac{593.93}{114.94} \times \frac{2299}{263.98}$
 $\Rightarrow ? \times \frac{40}{24} \times 27 \approx \frac{594}{115} \times \frac{2300}{264}$
 $\Rightarrow ? \times 45 \approx 45$
 $\Rightarrow ? = 1$

63. (4)

$19.99\% \text{ of } (40.01 \times \sqrt{7}) = (31.99)^2 + (16.01)^2$
 $\Rightarrow \frac{20}{100} \times 40 \times \sqrt{7} \approx 32^2 + 16^2$
 $\Rightarrow \sqrt{7} \approx \frac{1}{8} \times (1024 + 256)$
 $\Rightarrow \sqrt{7} \approx \frac{1}{8} \times 1280 \approx 160$
 $\Rightarrow ? = (160)^2 = 25600$

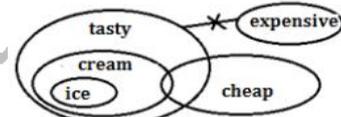
64. (2)

$? + 13.02 \times 49.98 = 420.05 + \frac{44.98}{100} \times 799 + 220.10$
 $\Rightarrow ? + 13 \times 50 \approx 420 + \frac{45}{100} \times 800 + 220$
 $\Rightarrow ? + 650 \approx 420 + 360 + 220$
 $\Rightarrow ? = 1000 - 650 = 350$

65. (5)

$(?)^{\frac{3}{2}} = 255.98 \times (2)^{7.99} + (8)^{4.99} \times 32.01$
 $\Rightarrow (?)^{\frac{3}{2}} \approx 256 \times (2)^8 + (8)^5 \times 32$
 $\Rightarrow (?)^{\frac{3}{2}} \approx \frac{2^8 \times 2^8}{2^{15}} \times 2^5$
 $\Rightarrow (?)^{\frac{3}{2}} = (2)^6 = 64$
 $\Rightarrow ? = (64)^{\frac{2}{3}} = 16$

66. (2)

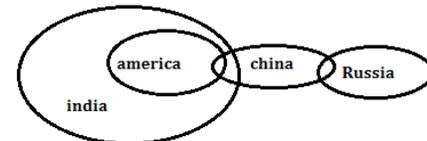


For I—Since, it is given that all cream is tasty and no tasty is expensive. Therefore, we cannot conclude that some expensive can be cream.

For II—Since there is no direct relation between cheap and expensive, therefore possibility case will hold true. Hence, we can conclude that some cheap can be expensive.

For III—Since there is no direct relation between cheap and ice. Therefore, we cannot conclude that some ice is cheap.

67. (5)



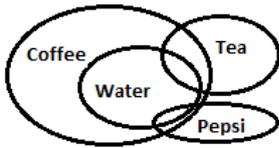
For I— Since there is no direct relation between Russia and India. Therefore, we cannot conclude that some Russia are India.

For II—Since there is no direct relation between Russia and India, therefore possibility case will hold true. Hence, we can conclude that all Russia can be India.

Grand Test – IPP 180805



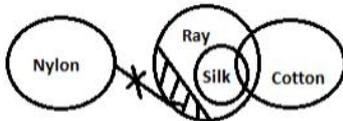
68. (3)



For I— From the venn diagram, all water are coffee and some pepsi is water, so it clear that some pepsi which are water will be coffee, So possibility case holds false. Therefore, the given conclusion cannot be concluded.

For II—Since there is no direct relation between tea and pepsi and some water are pepsi as well as some water are tea, therefore possibility case will hold true. Hence, we can conclude that some pepsi which are water can be tea.

69. (5)

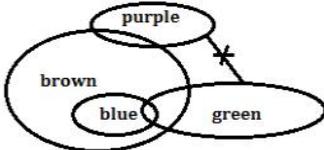


For I—Since it is given that some ray are not nylon, nothing about some nylon being or not being nylon is not mentioned hence we cannot conclude that some nylon are ray.

For II—Since there is no direct relation between cotton and nylon, therefore possibility case will hold true. Hence, we can conclude that some cotton can be nylon.

For III—Since there is no direct relation between silk and nylon. Therefore, possibility case holds true. Therefore, we can conclude that All silk is nylon is a possibility.

70. (5)

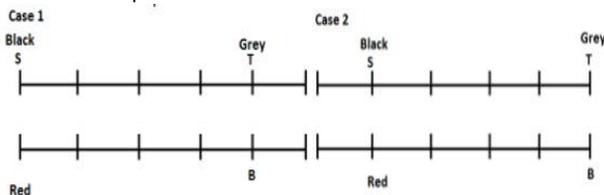


For I— From the venn diagram all blue are brown. Therefore, we can conclude that some brown are blue.

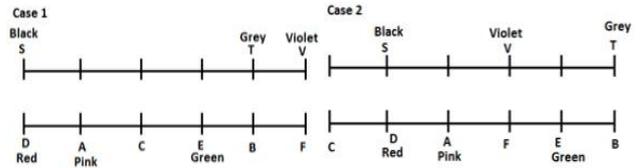
For II—From the diagram it is given that some green are blue and no purple is green so some blue are not purple is true, therefore possibility case will hold false. Hence, the given conclusion does not follow.

71-75.

S likes Black color and sits fourth to the right of the one who likes Grey color and one of them sits at the end of the row. T likes Grey color. The one who likes Red color faces the one who likes Black color. B faces T. There are two possibilities:

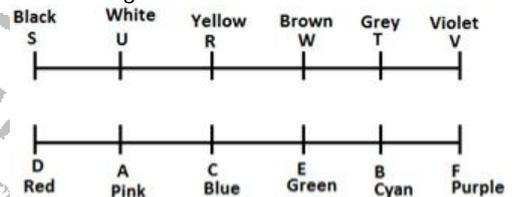


A, likes Pink color. There are only two persons between B and A. V likes Violet color and faces the one who sits third to the right C, who does not like Red color. E likes green and sits third to the right of D, So in both cases D likes red color and F faces V.



Only one person sits between W and U, who likes white color. C does not face the one who likes white color. W does not face C and A. The one who likes Brown color and the one who likes Yellow color sit next to each other. So, case 2 will be eliminated as there if no place for the ones who like yellow and brown color. Now, proceeding with case1 and remaining conditions, Both B and F does not like Yellow color. W does not like yellow color, So R likes yellow color and W likes brown color. R does not face the one who likes cyan color. F does not like cyan color, So B likes cyan color. R faces the one who sits third to the left of the one who likes purple color.

The final arrangement is:



71. (2)

73. (3)

76-80.

72. (5)

74. (4)

75. (1)

C lives on an odd numbered floor but not on ground floor. Two persons live between C and B. E lives above D. Three persons live between E and D, who lives on one of the floors below B. The one who sells potato lives on 2nd floor. We get 3 cases:

Case1

Floor	Person	Food item
7	C	
6	E	
5		
4	B	
3		
2	D	Potato
1		

Case2

Floor	Person	Food item
7	C	
6		
5	E	
4	B	
3		
2		Potato
1	D	

Case3

Floor	Person	Food item
7		
6	B	
5	E	
4		
3	C	
2		Potato
1	D	

Three persons live between the sellers of potato and garlic, who lives just above the one who sells onion. E does not sell onion, from this case2 and case3, gets eliminated.

More than one person live between F and A, So F and A either live on 5th or 1st floor. G lives on 3rd floor. Given that, C does not sell ginger and brinjal. So, C sells tomato. The one who sells ginger does not lives below the brinjal seller.

Grand Test – IPP 180805



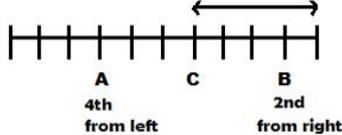
The final arrangement is:

Floor	Person	Food item
7	C	Tomato
6	E	Garlic
5	F/A	Onion
4	B	Ginger
3	G	Chilly
2	D	Potato
1	F/A	Brinjal

- 76. (4)
- 78.(2)
- 81. (4)

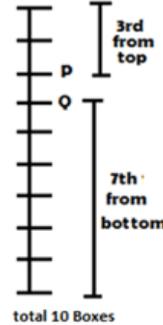
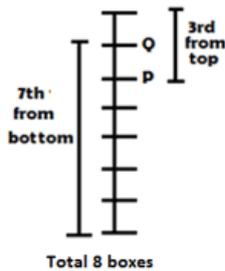
- 77. (5)
- 79. (2)

80. (2)



Since B is 2nd from the right and C sits 3rd left to B, so C is 5th from the right end.

- 82. (5) There can be two cases 1st box Q is just above box P and 2nd case when box Q is just below box P. Therefore, the total number of boxes cannot be determined.



91. (3)

93. (5)

94. (2)

95. (2)

96-100.

- 83. (1) $M > A \geq B \leq P < J, Z \geq A > X$
I. $X < M$ (True)
II. $Z \geq P$ (False)

- 84. (3) $M > A \geq B = Q \leq P < J \leq Y, Z \geq A$
I. $Y \geq B$ (False)
II. $Z \geq Q$ (True)

- 85. (4) $G < R = A \leq S, R > T, C \geq M > A$
I. $G < C$ (True)
II. $C > T$ (True)

96. (5)

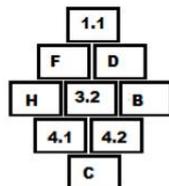
98. (4)

97. (3)

99. (5)

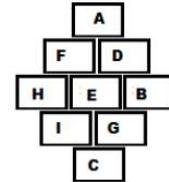
100. (2)

- 86-90. Box I is placed in the row just above C, which is placed alone in that row, that means C is at 5.1, I could be either at 4.1 or 4.2. Box H is to the left of B but not immediate left. So, H and B are placed in row 3 and placed at numbered 3.1 and 3.3 respectively. Only Box D is placed right to F, so D is numbered 2.2 and F is numbered 2.1.



Box A and C have same place number. So, either A could be in 4.1 or 1.1 but since A and C cannot be placed in consecutive rows therefore A is numbered 1.1. Also E cannot be placed in consecutive row with C. So, only place for E is 3.2. Box G is placed on an even place

number in an even numbered row. So, G is placed at numbered 4.2. The final arrangement is:



86. (4)

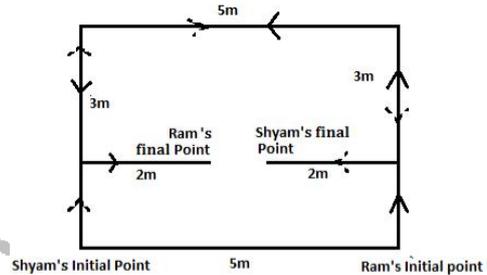
88. (4)

91-92.

87. (3)

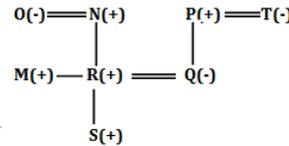
89. (1)

90. (5)



Dotted arrow shows distance travelled by Shyam
Sharp arrows shows the distance travelled by Ram

92. (2)



Word	Code
Bus	df
Red/cancel	mj/st
Refund	be
Ticket	ej
Money/email	oi/ph
Seat	gl