SBI CLERK Preliminary Grand Test –SCP-180557

HINTS & SOLUTIONS

ANSWER KEY

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

HINTS & SOLUTIONS

1. (2) With respect to the paragraph 1, it can be implied that sentence (b) is correct. As mentioned in the last few lines of the first paragraph that the budget did not make any financial allocations towards implementation of the laws meant for disabled persons. Hence option (b) is the correct choice.

2. (2) With reference to the third paragraph, we can conclude that sentence (b) is correct. The paragraph states that the persons with Disability act 1995 got replaced with RPDA, 2016 with increase in the various types of disabilities officially recognized by the government from seven to 21. Hence option (b) is the correct choice.

3. (1) Sentence (I) is not mentioned in the paragraph 2, while other two sentences are forming a part of the paragraph. Hence option (a) is the correct choice.

4. (2) Both the paragraph revolves around the same theme of unfulfilled promises behind the schemes made by the government. Hence option (b) is correct.

5. (4) With reference to the last few lines of the last paragraph, "Following Prime Minister Narendra Modi's suggestion, official documents and government bodies began changing the nomenclature in Hindi from "viklang" (disabled) to "divyaang," causing an outcry among the community, which opposed the idea of human diversities being identified as divine." We can infer that sentence (II) and (III) are the appropriate answers.

6. (1) If (A) is the first sentence of the paragraph so formed after the rearrangement, the statement (E) does not seem to be the part of the paragraph. The first statement of the paragraph gives a valid clue that the theme of the paragraph revolves around the functions and features of Wi-Fi. However, the statement (E) makes out a different topic which is contextually incorrect; it is about the cyber security which has no relevance with any other statement of the paragraph. Hence option (a) is the correct choice.

7. (3) The sentence (c) makes a proper and logical connection with the sentence (G) as it is mentioned in the statement that One gigahertz is one billion waves per second which is about the frequency of wave and thus the higher the frequency, the greater the amount of data transmitted per second. Other sentences given as options cannot be put immediately after the last statement of the coherent paragraph so formed as they are irrelevant and lack the flow of continuity. Hence option (c) is the correct choice.

8. (4) If (A) is the first sentence of the coherent paragraph, the combination of sentences (H) and (G) makes a valid and appropriate connection with each other. It can be viewed by reading the sentence (H) properly which mentions, "One hertz is a frequency of one wave per second." Thus, the next sentence should contain the data which should be the giving the similar information. The sentence (G) coherently follows the first one as it gives the information about the value of frequency of one gigahertz. Thus, the latter sentence follows the former one coherently and meaningfully which is not the case with the other combinations given as options. Hence option (d) is the correct choice.

9. (2) Read the sentence (D) properly, it clearly states that there are two frequency levels that a wi-fi works on, 2.4 gigahertz and 5 gigahertz. Thus, the sentence that can replace the existing one should provide the similar information regarding the wi-fi so that it coherently adjusts to the meaning of the paragraph and adds meaning to the other sentences. Among the given statements, only option (b) provides the similar context. Other options are not befitting in the context of their replacement. Hence option (b) is the correct choice.

10. (5) If (A) is the first and (G) is the last statements, the sentences in the sequence of **ADCFBHG** form a coherent paragraph which is about how the Wi-Fi works and the different mechanisms related to it. The question can be quickly solved by taking the help of previous questions asked in the format. In the previous question, it is clearly mentioned that the sentence (D) follows the sentence (A) after the correct rearrangement of sentences and elimination of the incoherent one. This can be visualized in the option (e). Other sequences are not in proper order to make the paragraph coherent. Hence option (e) is the correct choice.

11. (2) burn the candle at both ends: To overwork or exhaust oneself by doing too many things, especially both late at

night and early in the morning
Ransacked: go through (a place) stealing things and causing damage

12. (4) A hot potato: Speak of an issue (mostly current) which many people are talking about and which is usually disputed
China's illegal control of South China sea is a current and disputed topic hence (e) fits accurately with the meaning of "a hot potato" as South China sea is a hot potato.

13. (4) Back to the drawing board: When an attempt fails and it's time to start all over
The self-driving car technology by Uber failed when it couldn't recognise a woman on road and now it is back to the drawing board to start it all over again and re-innovate the technology hence (d) fits perfectly to the meaning of back to the drawing board.

14. (1) be glad to see the back of: Be happy when a person or something leaves.
Here, a patient is talking about being happy when dialysis goes away (cured), which clearly signifies the meaning of the idiom '**be glad to see the back of'**
Cowardice: lack of bravery

15. (3) Blessing in disguise: Something good that isn't recognized at first
Old townhall buildings or municipal buildings are the heritage of a city but they were not recognized earlier but now they are being recognized hence it conveys meaning of the given idiom.

16. (3) **Option (c)** is the correct choice. **Statements (A) and (D)** can be joined together using the conjunction **"whether"** which is used to express an enquiry or investigation (often used in indirect questions). Statements (A) and (D) can be combined using whether, **"The European Commission is investigating whether the United Kingdom imposes enough tax on commodity derivative trades, according to the UK Treasury".** All the other combinations of the statements fail to connect using "whether".

17. (1) **Option (a)** is the most suitable answer choice. **Statements (A) and (C)** can be combined using the phrasal conjunction "**Only if**". Only if expresses a command or requirement. It is used to introduce a condition which is necessary as well as sufficient. Thus, the sentence formed using the phrasal conjunction 'only if" with statements (A) and (C) is **"The Maltese Government would be willing to discuss proposals on state funding of political parties only if the Nationalist Party agrees to end its Cedoli scheme, according to a spokesman for the Office of the Prime Minister**". All the other combinations cannot form a single sentence using the given conjunction. Hence, **option (a)** is the most viable choice.

18. (1) **Statement (C) and statement (B)** can be put together to form a single coherent sentence using the conjunction "while". " **While"** as a conjunction expresses 'during the time that; at the same time as.' Thus, the statement formed is **"While the military has been deploying and striking on a global scale, we've been told from the very first moments of Washington's self-proclaimed war on terror to go shopping or to Disney World and let the experts handle it."** All the other combinations do not form a single coherent sentence. Hence, **option (a)** is the most viable answer choice.

19. (2) **Statements (C) and (D)** can be joined together using the conjunction "However". '**However'** is used to introduce a statement that contrasts with or seems to contradict something that has been said previously. The contextually correct statement thus formed is " **Most interest that you pay for personal debt isn't deductible on your tax return, the tax laws, however, make an exception for mortgage debt."** Hence, **option (b)** is the correct choice.

20. (5) None of the given combinations given can be combined using the preposition/conjunction "notwithstanding". The preposition **"Notwithstanding"** means 'in spite of.' However **, statements (A) and (C)** can be adjoined and framed together in a single sentence **"Notwithstanding the negative implications of elections at Gorakhpur and Phulpur, the BJP, however, continued to put up a brave face."** As none of the given options frames a coherent sentence **option (e)** becomes the most suitable answer choice.

21. (4) All of above

22. (5) None of these

23. (3) To curb their emissions, strengthen resilience and act internationally and domestically to address climate change.

24. (3) Apology by Japan and the offer of $8 million to Korean "comfort women".

25. (3) 2015 has strengthened the need for multilateralism.

26. (5) The given word is correct. Hence no correction is required.

27. (3) recurring

28. (2) quantifiable

29. (1) attuned

30. (5) The given word is correct. Hence no correction is required.

31. (1)
Series is —
$+3^2, +5, +7^2, +9, +11^2$
$\Rightarrow ? = 79 + 121 = 200$

32. (3)
$\times\frac{2}{3}, \times\frac{2}{5}, \times\frac{2}{7}, \times\frac{2}{9}, \times\frac{2}{11}$
$\Rightarrow ? = 176 \times \frac{2}{11} = 32$

33. (2)
Series is —
$\times 2+3, \times 2+4, \times 2+5, \ldots$
$\Rightarrow ? = 168 \times 2 + 7 = 343$

34. (5)
$+11, -15, +21, -25, +31, -35$
$\Rightarrow ? = 44 - 35 = 9$

35. (2)
Series is —
$+(5^2+4), +(6^2+5), +(7^2+6), \ldots$
$\Rightarrow ? = 35 + (5^2 + 4) = 64$

36. (1)
Let, sum Abhi have initially = 100x
ATQ,
$100x \times \frac{115}{100} \times \frac{115}{100} - 100x = 1032$
$132.25x - 100x = 1032$
$\Rightarrow x = \frac{1032}{32.25} = 32$
Amount initially Abhi have = 3200
Interest earned from scheme Q = $\frac{4232 \times 15 \times 4}{100}$
$= 2539.2$
Required amount = 2539.2 + 1032 = 3571.2

37. (4)

Let S_1 is a series consists 3x – 6, 3x – 3, 3x, 3x + 3, 3x + 6
ATQ,
3x – 6 + 3x – 3 + 3x + 3x + 3 + 3x + 6 = 180
⇒ x = 12
S_1 series = 30, 33, 36, 39, 42
Second smallest no. of S_2 = 39 + 13 = 52
S_2 series = 48, 52, 56, 60

$$\text{Required average} = \frac{30+60}{2} = \frac{90}{2} = 45$$

38. (3)

Let, efficiency of Ravi = x
Efficiency of Aman = 1.5x

$$\text{Efficiency of Mohan} = 1.5x \times \frac{100}{120} = 1.25x$$

Ratio of efficiency of Ravi, Aman and Mohan is x : 1.5x : 1.25x = 4 : 6 : 5
Ratio of time taken by them alone to complete the work

$$= \frac{60}{4} : \frac{60}{6} : \frac{60}{5} = 15 : 10 : 12$$

ATQ,

$$\frac{15 \times 10}{15+10} = \frac{150}{25} = 6$$

Now, $6 \xrightarrow[\times 3]{} 18$
⇒ Ravi, Aman and Mohan can complete the work alone in 45, 30, 36 days respectively.

$$\text{Required time} = \frac{45 \times 36 \times 2}{45+36}$$

= 40 days

39. (1)

Total mixture = 32 + 48 = 80 ltr.
Quantity of milk after 30 liter of mixture sold

$$= \frac{3}{5} \times 80 - \frac{3}{5} \times 30$$

= 48 – 18
= 30 ℓ
Quantity of water after 30 liter of mixture sold = 50 – 30 = 20 ℓ.
Let, amount of milk and water added in mixture be 5x and 4x respectively.
ATQ,

$$\frac{30+5x}{20+4x} = \frac{10}{7}$$

⇒ x = 2ℓ
Milk in final mixture = 30 + 5 × 2 = 40 ℓ
Quantity of milk remaining after 25% of mixture sold

$$= 40 \times \frac{75}{100} = 30\ \ell$$

40. (3)

41. (1)

Let production of production in 2012 is 100x
in 2013 → 100x
in 2014 → 120x
in 2015 → 72x
in 2016 → 57.6x
in 2017 → 57.6x

$$\text{Required ratio} = \frac{57.6x}{100xx} = 72 : 125$$

42. (4)

Let production of production in 2012 is 100x
in 2013 → 100x
in 2014 → 120x
in 2015 → 72x
in 2016 → 57.6x
in 2017 → 57.6x
Required value

$$= \frac{500000}{100x} \times 57.6x = 288000$$

43. (2)

Let production of production in 2012 is 100x
in 2013 → 100x
in 2014 → 120x
in 2015 → 72x
in 2016 → 57.6x
in 2017 → 57.6x
Average of Production in 2015 & 2016

$$= \frac{72x + 57.6x}{2}$$

= 64.8x
So, Production of company in 2018 = 64.8x

$$\text{Required\%} = \frac{120x - 64.8x}{120x} \times 100$$

$$= \frac{55.2x}{120x} \times 100 = 46\%$$

44. (5)

Let production of production in 2012 is 100x
in 2013 → 100x
in 2014 → 120x
in 2015 → 72x
in 2016 → 57.6x
in 2017 → 57.6x
ATQ,
100x → 1500000
x → 15000
Now Required Average

$$= \frac{100x + 120x + 57.6x + 57.6x}{4}$$

$$= 83.8x$$
$$= 83.8 \times 15000$$
$$= 1257000$$

45. (4)

Let production of production in 2012 is 100x
in 2013 → 100x
in 2014 → 120x
in 2015 → 72x
in 2016 → 57.6x
in 2017 → 57.6x

$$\text{Required\%} = \frac{120x - 57.6x}{120x} \times 100$$

$$= \frac{62.4x}{120x} \times 100 = 52\%$$

46. (4)

Average speed of Monu to Cover distance on Monday and Tuesday together

$$= \frac{\text{Total distance covered}}{\text{Total time taken}}$$

$$= \frac{120+225}{2+3} = \frac{345}{5} = 69\ \text{km/h}$$

Distance travelled by Sonu on Wednesday

$$= \frac{140}{5} \times 7$$

= 196 km
Distance travelled by Sonu on Thursday

$$= \frac{135}{3} \times 4$$

= 180 km

Average speed of Sonu to cover distance on Wednesday and Thursday together

$$= \frac{\text{Total distance covered}}{\text{Total time taken}}$$

$$= \frac{196+180}{8} = \frac{376}{8} = 47\ \text{km/h}$$

Required difference = 69 – 47 = 22

47. (3)

Distance covered by Sonu on Friday
$= \frac{210}{6} \times 7 = 245$ km
Distance covered by Sonu on Thursday
$= \frac{135}{3} \times 4 = 180$ km
Speed of Sonu on Friday $= \frac{245}{5} = 49$ km/h
Speed of Sonu on Thursday
$= \frac{180}{4.5} = 40$ km/h
Required % $= \frac{49-40}{40} \times 100$
$= \frac{9}{40} \times 100 = 22.5\%$

48. (2)

Distance covered by Sonu on Friday $= \frac{210}{6} \times 7$
$= 245$ km
Speed of Sonu on Friday $= \frac{245}{5} = 49$ km/h
Speed of Sonu on Saturday $= \frac{49}{7} \times 10 = 70$ km/h
Speed of Monu on Saturday $= \frac{70}{7} \times 6 = 60$ km/h
Required time $= \frac{210}{60} + \frac{245}{70} = 3.5 + 3.5 = 7$ hr

49. (1)

Distance covered by Sonu on Tuesday
$= \frac{225}{9} \times 11 = 275$ km
Speed of Sonu on Tuesday
$= \frac{275}{25} = 110$ km/h
If speed of Sonu increases by 25% on
Tuesday $= 110 \times 1.25$
$= 137.5$ km/h
Time taken to cover distance $= \frac{275}{137.5} = 2$
Required difference $= 2.5 - 2 = 0.5$ hour
$= 30$ minutes

50. (5)

Speed of Monu on Thursday $= \frac{135}{2.5} = 54$ km/h
Distance covered by Sonu on Monday $= \frac{120}{4} \times 5$
$= 150$
Speed of sonu on Monday $= \frac{150}{3} = 50$ km/h
Required % $= \frac{54}{50} \times 100 = 108\%$

Let speed of man = x
and speed of stream = y
ATQ,
$\frac{75x}{100} + y = \frac{128}{8} = 16$
$\Rightarrow 0.75x + y = 16$ ...(i)
and, $0.5x - y = \frac{128}{32} = 4$
$\Rightarrow 0.5x - y = 4$ ...(ii)
On solving (i) and (ii)
$x = 16, y = 4$
Required% $= \frac{16-4}{4} \times 100$
$= \frac{12}{4} \times 100$
$= 300\%$

51. (2)

(i) $x^2 = 529 - 385$
$x^2 = 144$
$x = +12, -12$

(ii) $2y^2 + 51y + 324 = 0$
$2y^2 + 24y + 27y + 324 = 0$
$y = -12, -\frac{27}{2}$
$\therefore x \geq y$

52. (3)

(i) $3x^2 - 58x + 280 = 0$
$3x^2 - 28x - 30x + 280 = 0$
$x(3x - 28) - 10(3x - 28) = 0$
$x = 10, \frac{28}{3}$

(ii) $3y^2 - 67y + 374 = 0$
$3y^2 - 33y - 34y + 374 = 0$
$y = 11, \frac{34}{3}$
$\therefore y > x$

53. (5)

(i) $25x^2 - 25x - 176 = 0$
$25x^2 - 80x + 55x - 176 = 0$
$x = \frac{-11}{5}, \frac{+16}{5}$

(ii) $25y^2 - 55y + 18 = 0$
$25y^2 - 10y - 45y + 18 = 0$
$y = \frac{2}{5}, \frac{9}{5}$
$\therefore$ No relation

54. (5)

(i) $20x^2 - 41x + 20 = 0$
$20x^2 - 25x - 16x + 20 = 0$
$x = \frac{5}{4}, \frac{4}{5}$

(ii) $16y^2 - 22y + 7 = 0$
$16y^2 - 14y - 8y + 7 = 0$
$y = \frac{1}{2}, \frac{7}{8}$
$\therefore$ No relation

55. (3)

(i) $2x - y = \frac{31}{15}$
(ii) $3x + 5y = 20$
Solving (i) and (ii)
$x = \frac{7}{3}, y = \frac{13}{5}$
$\therefore y > x$

56. (1)

Same base → Same radius
Let radius = r
ATQ—
$\frac{\frac{1}{3}\pi r^2 H}{\pi r^2 h} = \frac{4}{3}$
H and h are the height of cone and cylinder respectively.
$\frac{H}{h} = \frac{4}{1}$
Ratio of height and radius of cone
H : r = 4 : 3
h = x
h = 4x
r = 3x
slant height of cone = 5x
Ratio of T. S. A $= \frac{\pi r\ell + \pi r^2}{2\pi rh + 2\pi r^2}$
$= \frac{1}{1} \Rightarrow 1:1$

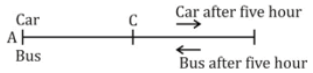
57. (4)

ATQ,

Mark price	Selling price	Cost price
5×6	4×6	
1	4×6	4×5
30	24	20

Discount given $= \frac{30-24}{30} \times 100$
$= 20\%$
When discount double = 40%
$\frac{30 \times 40}{100} = 12$
$30 - 12 \rightarrow 18$ New selling price
Loss $20 - 18 = 2 \rightarrow 60$ Rs.
Mark price $= \frac{60}{2} \times 30 = 900$

58. (2)



Car travel → 3/4 part of one side distance in 5 hour.

1 part $= \frac{20}{3}$ hour

Car can travel 1.5 part in

$\frac{20}{3} \times 1.5 = 10$ hour

Time to reach C after returning form point B → 10:00 + 10 = 8:00 pm

59. (1)

Suresh : Ramesh = 100 : 60 = 5 : 3

Total work = 8 × 22.5 = 180

Raj efficiency $= \frac{5}{6} \times 5$

$= \frac{25}{6}$ w/d

Raj alone can complete work in $= \frac{180 \times 6}{25}$

$= \frac{216}{5}$

$= 43\frac{1}{5}$ days

60. (3)

Total interest on total month = 5640

Let x amount lent at 9%

$\frac{(x \times 9 \times 5)}{100} + \frac{(12000-x) \times 12 \times 4}{100} = 5640$

x = 4000

(61 – 65)

61. (2) 8300 – 3694 = 4606

62. (4) $x = \frac{560}{9 \times 7} = \frac{80}{9}$

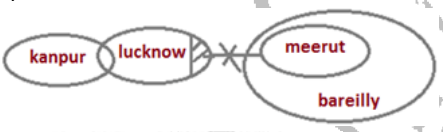
63. (3) ? = 3512 – 1068 = 2444

64. (2) It can be written in $a^2 + b^2 - 2 \times a \times b$ form i.e. $(a-b)^2$

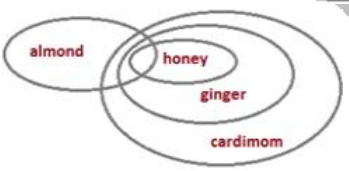
$(1.96 - 1.04)^2 = 0.92^2$ = 0.8464

65. (3) $\frac{9}{4} \times x$ = 270, x = 120

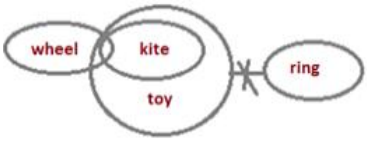
66. (4)



67. (2)

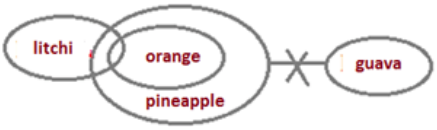


68. (3)



69. (2)

70. (3)



(71 - 73) Step 1 :- Using given statements, we will first find the comparison of weight among the boxes. Box D is heavier than Box C and Box E. The box which contains shoes in it is the fourth heaviest box. Box C is heavier than Box E. Box B is not the fourth heaviest and it is not the empty box. The Box A contains Caps in it. The empty box is the lightest box among all. The box contains Marble in it is the second heaviest box. D is not the heaviest box among all. Box A is heavier than Box B. from all these conditions we get the final arrangement of the boxes according to the weight.

A (Caps) > D (Marble) > B (bottle) > C (Shoes) > E (empty)

Step 2 :- Now, using the above arrangement and remaining conditions we will find the arrangement of the boxes which is kept at the top and which box kept at the bottom. The box which is kept at the top contains bottle in it. There are two boxes kept between box which contains marble (Box D) in it and the box which is empty (Box E). The box which contain Caps (Box A) is not kept immediately above or below the box which contain marble (Box B) in it. So, there will be two possible cases.

Case 1

BOX	ITEM
B	Bottle
D	Marble
C	Shoes
A	Caps
E	Empty

Case 2

BOX	ITEM
B	Bottle
E	Empty
A	Caps
C	Shoes
D	Marble

Step 3:- Now it is given that Box C is kept above Box E so case 2 will be eliminated. And we get our final answer.

Case 1

BOX	ITEM
B	Bottle
D	Marble
C	Shoes
A	Caps
E	Empty

71. (4)

72. (4)

73. (1)

74. (1) After applying the different conditions given in the question, we get **A E R I F E R O U S B F Q J E F Q P V R B E F F J P Q Q R V** Then the total number of letters between 'F'(third letter from the left) and 'R'(second letter from the right is 11 (G, H, I, J, K, L, M, N, O, P and Q).

75. (3) The second, sixth, ninth and tenth letter of the word "**ADHESIONAL**" are D,I, A and L using these letters two meaningful words can be made 'DIAL' and 'LAID'.

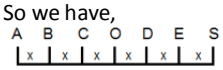
(76 – 80)

Step 1.

From the information given in the question we will first determine the initial positions of all the persons.

D stands third from the right end. D is an immediate neighbour of O and E, who stands on the immediate left of S. It means S is standing at the rightmost end and O is standing to the immediate left of D. E stands third to the right of C who is not an immediate neighbour of A.

So we have,



Initial Positions

Step 2.

Now we will determine their final positions,

S moved eight meters towards North to reach point L. Shortest distance between O and point L is ten meters.

By using Pythagoras theorem,

The distance between O and initial position of S $= \sqrt{\left(10^2 - 8^2\right)} = 6$

So 3x = 6

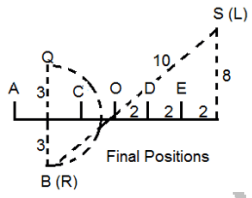
x = 2,

Proceeding with the remaining information,

O is in line with point R and L. After moving a certain distance towards north B reached point Q. From point Q, B kept on moving in a circular path till he reached point R. Point R is to the south of initial position of B. Shortest distance between point R and L is fifteen meters it means shortest distance between R and O is five meters.

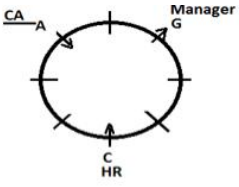
From Pythagoras theorem,

Shortest distance between initial position of B and point R = $\sqrt{\left(5^2 + 4^2\right)} = 3$meters .So we have,

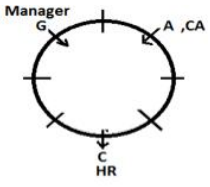


76. (1) 77. (3)
78. (5) 79. (2) 80. (3)

(81 - 85) Step 1:- From the given statements, All the eight members sits around a circular table and some of them face inside and some outside. G sits third to the right of C, who is the HR of Adda247. A is the CA of Adda247 and A, faces inside and sits second to the left of the Manager of Adda247. G is the manager of dda247. Only one member among G, A and C faces outside the centre and rest two faces inside. There will be two possible cases in which C and A faces inside and G face outside and in other case G and A face inside and C face outside:

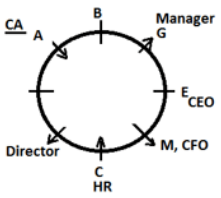


Case 1

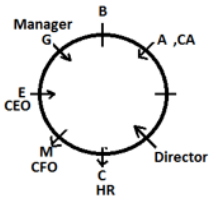


Case 2

Step 2:- E who is the CEO of the company is not the immediate neighbour of HR and CA of the company. E's position is fixed on the immediate right of G in both the case. The CEO of Adda247 sits third to the left of the one who is director of Adda247. So, the director of Adda247 sits on the immediate left of C in both the cases but the director faces outside in case 1 and face inside in case 2. B sits on the immediate left of Manager of the company. Now M is the CFO of Adda247 and faces outside the centre. Immediate neighbours of CFO faces opposite direction. D and N are immediate neighbours. So in both the cases M's positions is fixed.

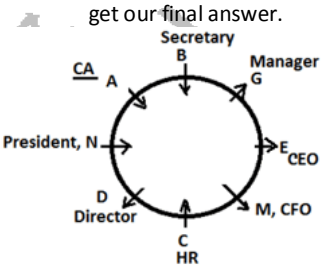


Case 1 (a)



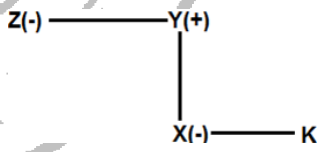
Case 2

Step 3:- From the remaining conditions, only one person among the Director, B and the CEO of Adda247 faces the centre and rest faces outside but in case two persons the director and E (CEO) face inside so case 2 will be eliminated. Now continuing with step 1, N and B faces the same direction. The president of Adda247 sits second to the right of secretory of Adda247. D sits third to the right of secretory of Adda247. So B is the secretory of Adda247 and face inside and N is the president and D is the director of Adda247. Hence, we get our final answer.

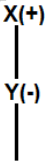


Case 1 (a)

81. (2) 82. (2)
83. (5) 84. (3) 85. (4)
86. (4) A > D > E > C > B
87. (5) R > P > Q > A > C > B



88. (4)



89. (2)

90 – 94. **Step 1.** From the information given in the question,

P lives on one of the floors below the dog whose weight is 4kg. The dog whose weight is 7kg lives immediately below P. More than two dogs lives above the dog whose weight is 4kg.

Case-1		
Floor	Dog	Weight
7		
6		
5		
4		4kg
3	P	
2		7kg
1		

Case-2		
Floor	Dog	Weight
7		
6		
5		
4		4kg
3		
2	P	
1		7kg

Case-3		
Floor	Dog	Weight
7		
6		
5		
4		
3		4kg
2	P	
1		7kg

Step 2. Proceeding with the remaining information,

Only one dog lives between the dog whose weight is 4kg and U. R lives immediately above U. Q lives immediately above T. The dog whose weight is 2kg lives neither at the topmost nor at the bottommost floor. Dog Q's weight is not 4kg. Only one dog lives between Q and the dog which whose weight is 5kgs. Q lives above the dog whose weight is 5kg. Only two dogs are living between the dog who is lightest of them all and the dog whose weight is 4kg.

Case-1		
Floor	Dog	Weight
7	R	(1kg)
6	U	
5	Q	
4	T	4kg
3	P	5kg
2		7kg
1		(1kg)

Case-2		
Floor	Dog	Weight
7	R	1kg
6	U	
5	Q	
4	T	4kg
3		5kg
2	P	
1		7kg

Case-3		
Floor	Dog	Weight
7		
6	R	1kg
5	U	
4	Q	
3	T	4kg
2	P	5kg
1		7kg

Step 3. Proceeding with the remaining information,
V lives immediately above the dog whose weight is 6kg. But no such position is possible in case-3. So case-3 will be eliminated. Only two dogs are living between the dog whose weight is 5kg and the dog whose weight is 3kgs. Neither R's nor V's weight is 7kg so case-1 will be eliminated. S is not the second heaviest. So the final solution is-

Floor	Dog	Weight
7	R	1kg
6	U	3kg
5	Q	2kg
4	T	4kg
3	V	5kg
2	P	6kg
1	S	7kg

90. (3) 91. (5)
92. (5) 93. (3) 94. (3)

(95 – 98) In this new pattern input output question only one word and one number is arranged in each step.
Let us understand the logic behind it- In each step the words and numbers are arranged from the left end.
For words- The word which comes last according to alphabetical series is arranged first and the last letter of that word is omitted and further first and fourth letter are interchanged and second and third letter are interchanged.
For numbers- Numbers start arranging as the highest number+1 is arranged in 1st step then second highest+1 number in second step and so on from left end after each newly arranged word.
Input- 54 jocks 39 mujik 87 25 zippy tazza 46 pizza kudzu 19
Step I – ppiz 88 54 jocks 39 mujik 25 tazza 46 pizza kudzu 19
Step II- zzat 55 ppiz 88 jocks 39 mujik 25 46 pizza kudzu 19
Step III- zzip 47 zzat 55 ppiz 88 jocks 39 mujik 25 kudzu 19
Step IV- ijum 40 zzip 47 zzat 55 ppiz 88 jocks 25 kudzu 19
Step V- zduk 26 ijum 40 zzip 47 zzat 55 ppiz 88 jocks 19
Step VI- kcoj 20 zduk 26 ijum 40 zzip 47 zzat 55 ppiz 88

95. (2) 96. (1)
97. (2) 98. (2)

99. (1)

Kids	Day
	Monday
U	Tuesday
X	Wednesday
W	Thursday
	Friday
	Saturday

100. (2)

From statement II and III we get our final answer.

Word	Code
feed	Ja
fly	ju
The	Fu
black	la
Of/us	Lu/na
Will/high	Fa/ka