

## SBI PO Prelims -2021.SBPP-2021-10007

### HINTS & SOLUTIONS

#### ANSWER KEY

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

#### HINTS & SOLUTIONS

1. (4) Referring to the first and fourth paragraph, '...The 'Doing Business 2019' report has ranked Saudi Arabia as the fourth-largest reformer within the G20...' and '...The single-window platform Fasah has also been launched for customs clearance and import and export procedures...' and '...the Kingdom intends to have at least five Saudi universities among the top 200 in international rankings....' So option (1) and (3) are false. Hence, option (4) is the correct answer.
2. (3) Referring to the fourth and third paragraph of the passage, 'education is a key component of Vision 2030...' '...\$100 billion planned investment in transport projects will also occur over the next decade.....and introduce new light rail mass transit projects in Riyadh.....' Also there is no mention of Employment in the passage. Hence, option (3) is the correct answer.
3. (3) Commute means to travel regularly  
Oblivious means forgetful  
Committed means bound or obligated to a person or a thing.  
Lethargic means quality or state of being drowsy or dull.  
Hence, option (3) is the only option which makes the sentence grammatically and contextually correct.
4. (4) The Answer to this question can be inferred from the third and fifth passage of the paragraph '....in Madinah have increased their capacity for accommodating millions of worshippers...' and '....historic peace accord signed between Ethiopia and Eritrea in Riyadh....' Hence, option (4) is the correct answer as all the statements are correct.
5. (1) The answer to this question can be inferred from the last paragraph of the passage, '.... The \$44 billion integrated refinery and petrochemicals complex.....jointly developed by Saudi Aramco, Abu Dhabi National Oil Company (ADNOC) and a consortium of Indian public sector units (PSUs)'. Although other options may seem to be true but there is no mention of them in the passage. Hence, option (1) is the correct answer.
6. (2) 'Finding new grounds' means discovering new areas of co-operation. Hence, option (2) is the correct answer.
7. (3) "SOLIDIFIED" means "make stronger; reinforce" and "STRENGTHEN" means "make or become stronger." Only option (3) makes the sentence contextually correct. Hence, option (3) is the correct answer. Crystallize: form or cause to form crystals. Coagulate: change to a solid or semi-solid state.
8. (4) Permeation means to pass into or through  
Infiltration means to filter through or into  
Osmosis means a subtle or gradual absorption  
Hence, option (4) is the correct answer.
9. (3) Option (1) and (2) are synonym of the word Accord.  
Concertina means a musical instrument. Hence, option (3) is the correct answer.
10. (1) Consortium means a combination of financial institution  
Among the given options only option (1) is the antonym of the given word. Hence, option (1) is the correct answer.
11. (4) Among the highlighted words, given in the statement, "difficult" has been incorrectly spelt. Here, "difficult" will be replaced with "difficult". Hence, option (4) is the most suitable answer choice.
12. (3) Among the highlighted words, given in the statement, "squirel" has been incorrectly spelt. Here, "squirel" will be replaced with "squirrel". Hence, option (3) is the most suitable answer choice.
13. (3) Among the highlighted words, given in the statement, "trigered" has been incorrectly spelt. Here, "trigered" will be replaced with "triggered". Hence, option (3) is the most suitable answer choice.
14. (1) Among the highlighted words, given in the statement, "arested" has been incorrectly spelt. Here, "arested" will be replaced with "arrested". Hence, option (1) is the most suitable answer choice.
15. (5) Among the given highlighted words, none of the words have been incorrectly spelt. Hence, option (5) is the most suitable answer choice.
16. (4) Vehemently [adverb] means 'in a forceful, passionate, or intense manner; with great feeling';

Repercussions means an unintended consequence of an event or action, especially an unwelcome one. The use of 'while' reflect contrast between two features. The first feature is 'some have intent to destroy Gulliver' The second feature should be 'others support him passionately'.

Among the given words, the word 'vehemently' provides the correct context to the blank.

Hence, option (4) is the correct answer.

17. (1) extract [verb] means 'free (someone or something) from a constraint or difficulty';

Insurgent [adjective] means 'seeking or intended to subvert an established system or institution';

What could be a reason for the King to disband the assembly? The likely answer is if the King thinks that the members are indulging in activities to overthrow him.

Among the given options, the word 'insurgent' provides the correct context to the blank.

Hence, option (1) is the correct answer.

18. (3) Zealot [noun] means 'a person who is fanatical and uncompromising in pursuit of their religious, political, or other ideals.'

Addiction [noun] means 'the fact or condition of being addicted to a particular substance or activity';

If there were more casinos around an area, then there is likelihood that people living near the area would become addicted to gambling.

Among the given options, the word 'addiction' provides the correct context to the blank.

Hence, option (3) is the correct answer.

19. (2) Uninspired [adjective] means 'offering nothing that is stimulating or challenging; bland';

Intricate [adjective] means 'very complicated or detailed';

Corporeal [adjective] means 'relating to a person's body, especially as opposed to their spirit';

The context of the sentence can be understood through the words 'spirit' and 'decay'. In the context of spirit, a body can be decayed.

Among the given options, the word 'corporeal' provides the correct context to the blank.

Hence, option (2) is the correct answer.

20. (5) Audacity [noun] means 'a willingness to take bold risks'; Looms [verb] means '(of an event regarded as threatening) seem about to happen';

Recession [noun] means 'a period of temporary economic decline during which trade and industrial activity are reduced, generally identified by a fall in GDP in two successive quarters';

Unemployment generally rises during recession.

Among the given options, the word 'recession' provides the correct context to the blank.

Hence, option (5) is the correct answer.

21-25. Here, the passage is about Meenakshi Anand, who travelled by car from Chennai to London. Statement (D) is the most suitable sentence for introduction as it makes the mention of Arvind being in news. Statement (D) will then be followed by Statement (A) which mentions the reason for the news centered around Arvind's journey. Statement (C) is the perfect sentence to follow statement (A) as it explains the journey she undertook. Further, statement (E) mentions that she was in her hometown recently to attend an event and discussed how she

planned for the journey. It will then be followed by (B) which tells some pointers regarding her preparations. Finally, the passage is concluded with statement (F). Therefore, the correct sequence of the statements will be **DACEBF**.

21. (2)

22. (5)

23. (3)

24. (2)

25. (4)

26. (4)

Option (4) is the correct answer choice. Phrase "agriculture has been facing multiple crises" is a perfect phrase after filling the given first blank. Among the given options "crises, adversely" is the most suitable pair to fill the given blanks. Hence option (4) is the correct answer choice.

27. (2) Option (2) is the correct answer choice. Phrase "more nutritious food at affordable prices" is a perfect phrase after filling the given first blank. Among the given options "affordable, outstripped" is the most suitable pair to fill the given blanks.

Extortionate- much too high; exorbitant

Outstripped- move faster than and overtake (someone else).

Hence option (2) is the correct answer choice.

28. (4)

Option (4) is the correct answer choice. Phrase "Yakshagana costume to school as part of celebrating the 'super hero day'" is a perfect phrase after filling the given first blank. Among the given options "celebrating, curiosity" is the most suitable pair to fill the given blanks.

Inculcating- instill (an idea, attitude, or habit) by persistent instruction.

Temerity- excessive confidence or boldness; audacity.

Hence option (4) is the correct answer choice.

29. (3) Option (3) is the correct answer choice. Phrase "culture in metro cities and contemporary dance forms" is a perfect phrase after filling the given first blank. Among the given options "contemporary, pursue" is the most suitable pair to fill the given blanks.

Hence option (3) is the correct answer choice.

30. (2) Option (2) is the correct answer choice.

Defiant- showing defiance.

Nubile- old enough for marriage.

Bigotry- intolerance towards those who hold different opinions from oneself.

Phrase "Journalists seem to be defiant of any hostility" is a perfect phrase after filling the given first blank. Among the given options "defiant, professionals" is the most suitable pair to fill the given blanks.

Hence option (2) is the correct answer choice.

31. (1)

$$x = 11 + 12 - 13 - 4 \left( \frac{2}{9} + \frac{2}{9} - \frac{2}{9} - \frac{1}{4} \right)$$

$$x = 6 + \left( \frac{8+8-8-9}{36} \right)$$

$$x = 6 + \left( -\frac{1}{36} \right)$$

$$x = 5\frac{35}{36}$$

32. (2)

$$x = 10288 - 5220 - 1375 + 5364$$

$$x = 9057$$

33. (4)

$$x \times \frac{1350}{112.5} = \sqrt{5929} + \sqrt{8281}$$

$$x \times 12 = 77 + 91 = 168$$

$$\Rightarrow x = 14$$

34. (1)

$$280.5 - 241.5 = ?$$

$$? = 39$$

35. (3)  $? = 29 + 170 - 115$   
 $= 84$

36. (4)  $?^2 = \frac{40}{100} \times 420 + \frac{44}{100} \times 200$   
 $= 168 + 88$   
 $= 256$   
 $\Rightarrow ? = \pm 16$

37. (3)  $\frac{118.3 \times 0.7}{169} = \frac{18}{100} \times ? + \frac{175}{100}$   
 $\frac{49}{100} - \frac{175}{100} = ? \times \frac{18}{100}$   
 $? = -\frac{126}{100} \times \frac{100}{18}$   
 $? = -7$

38. (4)  $2555.5 + 2000.8 - 1554.3 = ? + 29$   
 $? = 3002 - 29$   
 $? = 2973$

39. (3)  $24 \times ?^2 - 8 \times 7 = 3400$   
 $?^2 = \frac{3456}{24}$   
 $? = 12$

40. (1)  $\frac{41.6}{100} \times 3500 + \frac{800}{100} \times 5 + 701 = ?^3$   
 $1456 + 40 + 701 = ?^3$   
 $\sqrt[3]{2197} = ?$   
 $? = 13$

41. (3) Patter of series  
 $38 \xrightarrow{\times 0.5-1} 18 \xrightarrow{\times 1.5-1} 26 \xrightarrow{\times 2.5-1} 64 \xrightarrow{\times 3.5-1} 223 \xrightarrow{\times 4.5-1} ?=1002.5$

42. (2) Patter of series  
 $108.8 \xrightarrow{\times 3} 326.4 \xrightarrow{+4} 81.6 \xrightarrow{\times 5} 408 \xrightarrow{+6} 68 \xrightarrow{\times 7} ?=476$

43. (2) Pattern of series is addition of successive prime numbers  
 $726 + 73 = 799$   
 $799 + 79 = 878$   
 $878 + 83 = 961$   
 $961 + 89 = 1050$   
 $? = 1050 + 97 = 1147$

44. (3) Pattern of series -  
 $234 + (6^3 + 1) = 451$   
 $451 + (8^3 + 2) = 965$   
 $965 + (10^3 + 3) = 1968$   
 $1968 + (12^3 + 4) = 3700$   
 $? = 3700 + (14^3 + 5) = 6449$

45. (5) Pattern of series -  
 $48 \times 0.5 + 4 = 28$   
 $28 \times 1 + 8 = 36$   
 $36 \times 1.5 + 16 = 70$   
 $70 \times 2 + 32 = 172$   
 $? = 172 \times 2.5 + 64 = 494$

46. (2) Total surface area of a cylinder =  $2\pi R(R + h)$   
 Volume of the cylinder =  $\pi R^2 h$   
 Where R = radius of the base  
 h = height of the cylinder  
 $\therefore$  dividing factor =  $\frac{\pi R^2 h}{2\pi R(R+h)} = \frac{Rh}{2(R+h)}$

47. (2) Let expenses of Shivam, Dharam and Harish be Rs S, Rs D and Rs H respectively.

ATQ  
 $S + D + H = 4660$   
 $\frac{125}{100} \times D + D + \frac{100}{85} \times D = 4660$   
 $D \left( \frac{5}{4} + 1 + \frac{20}{17} \right) = 4660$   
 $D = Rs 1360$

So, expense of Shivam =  $\frac{125}{100} \times 1360 = Rs 1700$

48. (4) Total weight of 16 coconuts =  $16 \times 1.5 = 24 \text{ kg}$   
 Total weight after addition of 5 watermelons =  $21 \times 2 = 42 \text{ kg}$   
 So, weight of 5 watermelons =  $42 - 24 = 18 \text{ kg}$

49. (1) Let the total capacity of the cistern is 24 units. (LCM)  
 So, the efficiency of the pipe A and pipe B are 2 units/hour and 3 units/hour respectively.

ATQ

Total time taken to fill the cistern =  $\frac{24}{2+3} + \frac{12}{60} = 5 \text{ hour}$

Efficiency of leakage =  $(2 + 3) - \frac{24}{5} \text{ units/hour}$   
 $= \frac{1}{5} \text{ units/hour}$

$\therefore$  time taken by leakage to empty the full tank alone  
 $= \frac{24}{\frac{1}{5}} = 120 \text{ hours}$

50. (3) Let speed of the boat in still water and speed of the current be x km/hr and y km/hr respectively.

ATQ

$\frac{30}{x-y} + \frac{45}{x+y} = 13 \dots \dots (i)$

$\frac{24}{x-y} + \frac{30}{x+y} = 10 \dots \dots (ii)$

By equating (i) and (ii)

$\frac{300}{x-y} + \frac{450}{x+y} = \frac{312}{x-y} + \frac{390}{x+y}$

$\frac{60}{x+y} = \frac{12}{x-y}$

$\frac{x}{y} = \frac{3}{2}$

Let x = 3a and y = 2a

Now,  $\frac{30}{3a-2a} + \frac{45}{3a+2a} = 13$

$\frac{30}{a} + \frac{45}{5a} = 13$

$a = 3$

$\therefore$  speed of the current = 6 km/hr

51-55.

For 2014

No. of article manufactured = 800

No. of article sold =  $800 \times \frac{80}{100} = 640$

For 2015

No. of article manufactured = 740

No. of article available for selling

=  $740 + 800 \times \frac{20}{100} = 900$

No. of article sold =  $900 \times \frac{80}{100} = 720$

No. of article unsold =  $900 \times \frac{20}{100} = 180$

For 2016

No. of article manufactured = 520

No. of article available for selling =  $520 + 180 = 700$

No. of article sold =  $700 \times \frac{70}{100} = 490$

No. of article unsold =  $700 \times \frac{30}{100} = 210$

For 2017

No. of article manufactured = 490

No. of article available for selling =  $490 + 210 = 700$

No. of article sold =  $700 \times \frac{70}{100} = 490$

No. of article unsold =  $700 \times \frac{30}{100} = 210$

For 2018

No. of article manufactured = 550

No. of article available for selling =  $550 + 210 = 760$

No. of article sold =  $760 \times \frac{80}{100} = 608$

No. of article unsold =  $760 - 608 = 152$

51. (1) required difference =  $720 - 640 = 80$

52. (3) in year 2017 no. of article sold are equal to no. of article sold in 2016.

53. (2) required percentage =  $\frac{490}{490} \times 100 = 100\%$

54. (2) required sum =  $520 + 550 = 1070$

55. (2) required ratio =  $720 : 760 = 18 : 19$

56. (3) circumference of circle of radius

'r' =  $2\pi r = 22\sqrt{2} \times \sqrt{2}$

$\Rightarrow 2\pi r = 22 \times 2$

$r = 7 \text{ cm}$

Area of circle ( $\pi r^2$ ) =  $\frac{22}{7} \times 7 \times 7$

=  $154 \text{ cm}^2$

57. (5) let no of first, second and third type of items are  $2x$ ,  $3x$  and  $4x$  respectively  
 Total cost price  
 $= 2x \times 300 + 3x \times 500 + 4x \times 700 = Rs. 4900x$   
 Total profit  
 $= 600x \times \frac{10}{100} + 1500x \times \frac{5}{100} + 2800x \times \frac{4}{100} = Rs. 247x$   
 Overall profit percentage  $= \frac{247x}{4900x} \times 100 \approx 5\%$

58. (2) let total time of investment =  $60t$  months  
 Ratio of profit of A, B and C  
 $5 \times 60t \times \frac{1}{12} : 3 \times 60t \times \frac{1}{5} : 7 \times 60t \times \frac{1}{15}$   
 $\Rightarrow 25 : 36 : 28$   
 ATQ  
 $(36 - 28) \text{units} = Rs. 800$   
 Then, 25 units = Rs. 2500

59. (4) Let the length be  $5x$  cm  
 And breadth =  $4x$  cm  
 ATQ,  
 $5x \times 4x - (5x + 3) \left(4x \times \frac{5}{8}\right) = 150$   
 $\Rightarrow 20x^2 - (5x + 3) \times \frac{5x}{2} = 150$   
 $\Rightarrow 20x^2 - \frac{25x^2}{2} - \frac{15x}{2} = 150$   
 $\Rightarrow 15x^2 - 15x = 300$   
 $\Rightarrow x^2 - x - 20 = 0$   
 $\Rightarrow x^2 - 5x + 4x - 20 = 0$   
 $\Rightarrow x(x - 5) + 4(x - 5) = 0$   
 $\Rightarrow x = 5$   
 Required perimeter =  $2(5x + 4x) = 2 \times 9 \times 5 = 90$  cm

60. (4) let average of seven no. =  $a$   
 Then, average of first three no. =  $a + 11$   
 ATQ  
 $3(a + 11) + 89 + a - 8 + a - 5 + a - 29 = 7 \times a$   
 $6a + 80 = 7a$   
 $a = 80$   
 So,  $a + 11 = 91$

61-65. Let the present age of Aayush be  $5x$  years  
 Sum of present age of Vivek and Vikash =  $5x$  years  
 And sum of present age of Sneha and Neha =  $5x \times \frac{100}{125} = 4x$  years  
 Let the present age of Sneha be  $y$  years  
 Then the present age of Vikash =  $(y+20)$  years  
 Present age of Neha =  $(y+16)$  years  
 ATQ  
 $y + 16 + y = 4x$   
 $y = 2x - 8 \dots \dots (i)$   
 Present age of Vivek =  $5x - (y+20) = (3x-12)$  years..... using (i)  
 And  
 $\frac{5x - 10}{3x - 12 - 10} = \frac{3}{1}$   
 $x = 14$   
 Present age of Aayush = 70 years  
 Present age of Sneha = 20 years  
 Present age of Neha = 36 years  
 Present age of Vivek = 30 years  
 Present age of Vikash = 40 years

61. (3) Required ratio =  $\frac{36+4}{30+10} = \frac{40}{40} = 1 : 1$   
 62. (5) Required average =  $\frac{70+20+36+30+40}{5} = \frac{196}{5} = 39.2$  yrs  
 63. (1) Required difference =  $(30+40) - (20+36) = 14$  yrs  
 64. (2) Difference =  $40 - 20 = 20$  yrs  
 Required % =  $\frac{20}{36} \times 100 = \frac{500}{9} \% = 55\frac{5}{9} \%$   
 65. (4) Let the present age of his wife be  $z$  years  
 Atq,  
 $\frac{z-4}{40-4} = \frac{5}{3} \Rightarrow z = 64$  yrs  
 Required difference = 6 yrs

66. (1) I.  $E < F$  (True)  
 II.  $Q \geq T$  (False)  
 67. (3) I.  $T < G$  (False)  
 II.  $C = G$  (False)

68. (2) I.  $K > T$  (False)  
 II.  $R > F$  (True)  
 69. (4) I:  $X \leq B$  (False) II:  $F < C$  (False)  
 70. (2) I:  $I \geq D$  (False) II:  $C < F$  (True)

71-75.

words	codes
Bike	ie
Car	ar
Cycle	ea
Shoes	su/oe
Mouse	su/oe
Bottle	tt
Plug	ug er
Charger	ug er

71. (1)  
 72. (5)  
 73. (4)  
 74. (3)  
 75. (3)  
 76-80.

From the given statements, S goes before Thursday. B goes on Thursday. B likes Puma and he goes after the person who likes Zara but not immediately after. Three persons go between S and the person who likes Nike. Here, we get three possibilities i.e. Case 1, Case 2 and Case 3. There is one day gap between R and V. R is not going immediate before and immediate after B. Here, we get one more possibility i.e. Case 2a.

	Case-1		Case-2		Case2a		Case-3	
	Person	Brand	Person	Brand	Person	Brand	Person	Brand
Monday	S	Zara/		R	Zara/			Zara/
Tuesday		Zara/	S	Zara/	S	Zara/		Zara/
Wednesday					V		S	
Thursday	B	Puma	B	Puma	B	Puma	B	Puma
Friday	V	Nike	V				V	
Saturday				Nike		Nike		
Sunday	R		R				R	Nike

Now, from the other conditions, one person goes between R and the person who likes Blackberrys. From that condition case-1 eliminated. M goes immediately after K. From that condition case-2 is eliminated.

	Case-2a		Case-3	
	Person	Brand	Person	Brand
Monday	R	Zara/	K	Zara/
Tuesday	S	Zara/	M	Zara/
Wednesday	V	Blackberrys	S	
Thursday	B	Puma	B	Puma
Friday	K/N/		V	Blackberrys
Saturday	M/K/N/	Nike	N	
Sunday	M/N/	Pepe jeans	R	Nike

From the other conditions, one person goes between K and the person who likes Pepe jeans. The person who likes Gucci goes immediately after the person who likes Zara. The person who likes Pepe jeans doesn't go before the person who likes Puma. Here, Case-3 is eliminated. So, the final arrangement is such as-

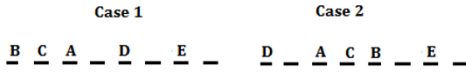
Person	Brand
R	Zara
S	Gucci
V	Blackberrys
B	Puma
K	Adidas
M	Nike
N	Pepe jeans

76. (1)  
 77. (3)  
 78. (4)  
 79. (2)  
 80. (3)

81-85. From the given statements, only one person was painted his house after E. There are three persons were painted their house between A and E. Only One person was painted between B and A. Now we get two possibilities here i.e. **Case 1 and Case 2.**

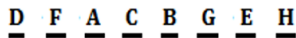


From the given statements, there are two persons were painted their house between D and C, who was painted his house either just before or just after of B.



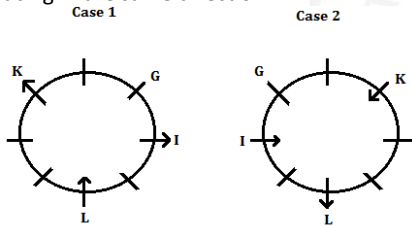
From the given statements, F was painted his house before C. **Now Case 1 is ruled out now.** Not more than three persons were painted their house between F and G.

**So, the final arrangement is such as –**

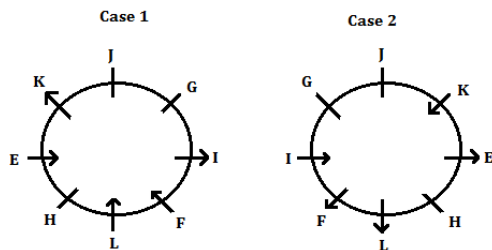


- 81. (2)
- 82. (1)
- 83. (4)
- 84. (2)
- 85. (1)

86-90. From the given statements, G sits 3rd to the right of L. Here we get **two possibilities i.e. Case 1 and Case 2.** There is one person sits between G and K, who does not sit near to L. K sits 3rd to the left of I and both of them are facing in the same direction.

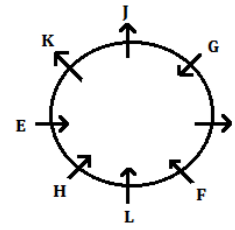


From the given statements, Both K and F are not sitting near to each other. Both F and G does not sit opposite to each other. Now only one position is vacant for F. Both H and E are an immediate neighbors to each other. E sits 3rd to the left of F and both of them are facing in the same direction.

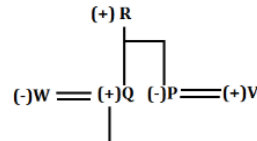


From the given statements, H faces the one who sits immediate right of J, who faces outside. **Now, Case 2 is ruled out now.** G does not face outside.

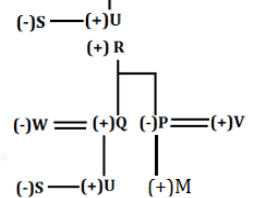
**So, the final arrangement is such as-**



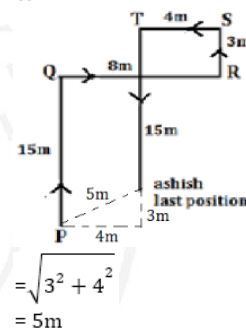
- 86. (4)
- 87. (1)
- 88. (3)
- 89. (4)
- 90. (2)
- 91. (2)



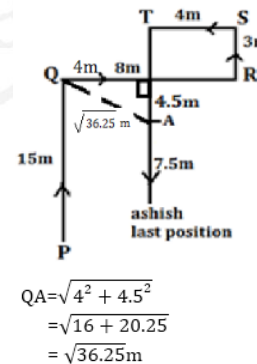
92. (1)



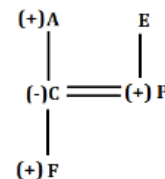
93. (3)



94. (5)



95. (5) E's gender is not defined.



- 96. (1)
- 97. (4)
- 98. (4)
- 99. (5)
- 100. (2)

