

## SBI PO Prelims -2021. SBPP-2021-10001

### HINTS & SOLUTIONS

#### ANSWER KEY

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

#### HINTS & SOLUTIONS

1. (3) The hint for the blank can be inferred from the phrase 'with the last flight operating'. Only when there would be suspension of flight operation will the mentioning of last flight be required.  
Among the given alternatives, only alternative (II) gels well with the context of the sentence and upon filling the blank makes a grammatically correct sentence.  
Hence, option (3) is the correct answer.  
*'Jet Airways on Wednesday announced temporary suspension of all its international and domestic flights, with the last flight operating between Amritsar and Mumbai.'*
2. (1) The alternatives (I) and (II) don't gel with the sentence grammatically as (I) introduces 'who' for which there is no antecedent and (II) introduces 'he' about which there is no mentioning neither in the preceding part to the blank nor in the following part to the blank.  
Only (III) gels well with the context of the sentence grammatically and contextually.

- (III) mentions 'Congress agreeing to a tie-up in Delhi' which is contrast to 'Congress refusing to include a seat-share in Haryana' and gels well with 'but'.  
Hence, option (1) is the correct answer.  
*'Alliance talks between the Aam Aadmi Party and the Congress failed on Wednesday, with the Congress agreeing to a tie-up in Delhi but refusing to include a seat-share in Haryana.'*
3. (4) Prior to the blank, the phrase is 'The Directorate General of Civil Aviation (DGCA)' which defines the subject of the sentence. Generally, in a sentence, a subject is followed by the 'verb part'. Among the given alternatives, only (I) provides the verb part for the subject which precedes the blank. Also, the 'a special safety audit' of (I) grammatically fits with the preposition 'of' of the phrase following the blank.  
Hence, option (4) is the correct answer.  
*'The Directorate General of Civil Aviation (DGCA) will conduct a special safety audit of the low-cost carrier IndiGo following concerns about the snag-ridden Pratt and Whitney engines, which power the airline's A320 Neo aircraft.'*
4. (4) The blank demands a phrase having a verb. Among the given alternatives only (II) provides verb which gels with the preceding and following part of the blank contextually as well as grammatically.  
Hence, option (4) is the correct answer.  
*'The second phase of the Lok Sabha polls in Bihar is set to present yet another challenge to the National Democratic Alliance. Four of the five seats going to polls on Thursday are held by the Mahagathbandhan allies.'*
5. (5) All of the three alternatives start with a verb while the sentence has already supplied verb to the subject. It requires an adverbial phrase to provide description to the infinitive 'to organise and train'.  
None of the alternative is correct.  
The correct phrase could have been 'for their emancipation and to improve cleanliness in the city'.  
Hence, option (5) is the correct answer.  
*'Odisha's Berhampur Municipal Corporation (BeMC) has started a programme to organise and train ragpickers for their emancipation and to improve cleanliness in the city by recycling of plastic waste.'*
6. (1) Option (1) is the correct answer choice. Option (1) can be traced from the lines of the first paragraph where it is given as, "If you are looking to invest in debt funds but so far have only dealt with fixed deposits, you may find it overwhelming to sift through the 16 categories of these funds. A good place to start making sense of the maze is to map out your expectations from your investments."  
Hence, option (1) is the correct answer choice.
7. (4) Option (4) is the correct answer choice. Both the Option (1) and (2) can be traced from the first line of the second paragraph where it is given as, "At the next stage, get to the specifics. The risks from interest rate movements and credit quality of the portfolio determine the safety of the investment." Hence, option (4) is the correct answer choice.

8. (1) Option (1) is the correct answer choice. The Option (1) can be traced from the second paragraph where it is given as, "The thumb rule that the investor's investment horizon should be at least as much as the average maturity of the portfolio will help mitigate this risk to a great extent." Hence, option (1) is the correct answer choice.
9. (3) Option (3) is the correct answer choice. The Option (3) can be traced from the 3rd paragraph where it is given as, "A fund may be taking higher interest rate risk, which means greater volatility in net asset values (NAVs), or higher credit risk for higher returns, pushing up the possibility of making a loss" Hence, option (3) is the correct answer choice.
10. (1) Option (1) is the correct answer choice. The Option (1) can be traced from the 3rd paragraph where it is given as, ". A portfolio where the exposure to a single security is not more than 2-3%, unless it is a government security, bank- or PSU-issued instrument is a good check to have" Hence, option (1) is the correct answer choice.
11. (3) Maze- a complex network of paths or passages.  
Interpret- to decide what the intended meaning of something is  
prompt- (of an event or fact) cause or bring about (an action or feeling).  
Hence, option (3) is the correct answer.
12. (4) Navigate- travel on a desired course after planning a route.  
Steer- guide the movement or course of.  
Hence, option (4) is the correct answer.
13. (1) Mitigate- make (something bad) less severe, serious, or painful.  
Intesify- make (a problem, injury, or offence) worse or more serious.  
Hence, option (1) is the correct answer.
14. (1) Among the given options only option (1) is the antonym of the given word. Hence, option (1) is the correct answer.
15. (4) In the last part of the sentence, "to flying" will be replaced by the word "from flying" because "Barred" here will take preposition "from". All other parts of the sentence are correct. Hence, option (4) will be the correct answer.
16. (2) In the second part of the sentence, there is helping verb missing. So it should be followed by 'is'. All other parts of the sentence are correct. Hence, option (2) will be the correct answer.
17. (3) In the third part of the sentence, "attempt" will be replaced by the "attempted" because the complete sentence is in past tense. All other parts of the sentence are correct. Hence, option (3) will be the correct answer.
18. (3) In the third part of the sentence, "is the result" will be replaced by the "are the result" because main subject of sentence is "all developments" which is plural in nature. All other parts of the sentence are correct. Hence, option (3) will be the correct answer.
19. (2) In the second part of the sentence 'curbed' will be replaced with 'curbing'. Hence, option (2) will be the correct answer.
20. (5) The given sentence is grammatically and contextually correct. All the given parts of the sentence are correct. Hence, option (5) will be the correct answer.
- 21-25. As provided in the question, statement (E) is the first statement of the paragraph in which there is a mention of the prerequisite for the youths to become good citizens in future. Sentence (E) and (F) forms a coherent pair as sentence (F) has talked that youths need to learn the skills to get themselves into the job and thus contributing to the country's economy. Sentence (C) is consecutively following sentence (F) as it has mentioned the other things that youths should follow to know their country more. Moreover, sentence (D) and (A) are forming a contextually logical pair, the clue can be inferred from the joining word "success." Sentence (D) is talking about the entire nation's success and sentence (A) is talking about how to achieve that success on continuous pace. Thus, **sentence (A)** becomes the last sentence of the paragraph as it describes about the role of government in order to provide the facilities to the youth to achieve that success. However, sentence (B) fails to connect with the theme of the paragraph as it is describing about the focus on laws, policies and legal frameworks by banks which will help the young generation to utilize their full potential. Therefore, with the elimination of sentence (B) the sequence thus formed is **EF CDA**.
21. (1) Hence, **option (1)** becomes the most suitable answer choice.
22. (4) Therefore, only **option (4)** i.e., **statement (B)** does not follow the theme of the paragraph as it is describing about the import duties levied by India in various sectors.
23. (3) Thus, **option (3)** is the correct answer choice.
24. (4) Therefore, **option (4)** is the correct choice.
25. (4) Hence, **option (4)** becomes the most suitable answer choice.
26. (2) A-E and B-D forms grammatically correct and contextually meaningful sentences. (A) mentions the word 'sanctions', (E) mentions about what the sanction is for. So, A-E makes a coherent sentence. (B) informs the verb phrase 'will not issue' while (D) mentions the object 'any additional Significant Reduction Exceptions [SREs]' to the verb 'issue'. (D) completes the sentence (B). So, B-D makes a coherent sentence. Hence, option (2) is the correct answer.
27. (4) A-D and C-F form grammatically correct and contextually meaningful sentences. (A) mentions the subject of the sentence while (D) mentions the predicate of the sentence. The clauses mentioned in (C) and (F) are connected through the word 'and', and both the clauses talks about the same subject which is 'which candidate fight from which seat'. Hence, option (4) is the correct answer.
28. (3) A-E forms a grammatically correct and contextually meaningful sentence. (A) mentions the subject of the sentence which is 'Industrial fishing practices' while (E) mentions the predicate part. No other phrases in column (1) makes a coherent sentence with the phrases in column (2).
29. (1) B-F forms a grammatically correct and contextually meaningful sentence. The phrase given in (F) is an adverbial phrase qualifying the verb 'leapt into' of (B). No other phrases in column (1) forms a coherent sentence with phrases given in column (2). Hence, option (1) is the correct answer.
30. (5) None of the phrases given in the column (1) connect with any of the phrases/sentences given in column (2). Hence, option (5) 'none of these' is the correct answer.

$$31. (2) \quad \frac{45}{100} \times 80 + \sqrt{841} + x^2 = 2121 + 21$$

$$36 + 29 + x^2 = 101$$

$$x^2 = 36$$

$$x = 6$$

$$32. (3) \quad \frac{36+3x}{23} + 1 = 52$$

$$36 + 3x + 23 = 52 \times 23$$

$$3x + 59 = 1196$$

$$3x = 1196 - 59$$

$$3x = 1137$$

$$x = 379$$

$$33. (3) \quad \frac{343}{2} + \frac{175}{100} \times 350 = x^2$$

$$x^2 = 171.5 + 612.5$$

$$x^2 = 784$$

$$x = 28$$

$$34. (4) \quad 23(24 + 47 - 54) = x$$

$$x = 23 \times 17$$

$$x = 391$$

$$35. (3) \quad \frac{6}{5} \times 650 + 320 + 51 = x$$

$$780 + 320 + 51 = x$$

$$x = 1151$$

$$36. (4) \quad \frac{510}{?} = \sqrt{324} + \sqrt{256}$$

$$\Rightarrow \frac{510}{?} = 18 + 16$$

$$\Rightarrow ? = \frac{510}{34} = 15$$

$$37. (3) \quad 2^{?+2} = \frac{32}{1024} \times \frac{128}{8} \times 128 = 64 = 2^6$$

$$\Rightarrow ? + 2 = 6 \Rightarrow ? = 4$$

$$38. (3) \quad \text{I. } 28^2 - 41x + 15 = 0$$

$$28x^2 - 21x - 20x + 15 = 0$$

$$7x(4x - 3) - 5(4x - 3) = 0$$

$$(7x - 5)(4x - 3) = 0$$

$$x = \frac{5}{7}, \frac{3}{4}$$

$$\text{II. } 35y^2 - 43y + 12 = 0$$

$$35y^2 - 28y - 15y + 12 = 0$$

$$7y(5y - 4) - 3(5y - 4) = 0$$

$$(7y - 3)(5y - 4) = 0$$

$$y = \frac{3}{7}, \frac{4}{5}$$

So, no relation can be stabilized

$$39. (5) \quad \text{I. } 2x^2 - 26x + 80 = 0$$

$$x^2 - 13x + 40 = 0$$

$$x^2 - 5x - 8x + 40 = 0$$

$$x(x - 5) - 8(x - 5) = 0$$

$$(x - 8)(x - 5) = 0$$

$$x = 5, 8$$

$$\text{II. } 2y^2 - 38y + 176 = 0$$

$$y^2 - 19y + 88 = 0$$

$$y^2 - 8y - 11y + 88 = 0$$

$$y(y - 8) - 11(y - 8) = 0$$

$$(y - 8)(y - 11) = 0$$

$$y = 8, 11$$

So,  $x \leq y$

$$40. (4) \quad \text{I. } 7x - 9y + 51 = 0$$

$$\text{II. } 13y - 11x - 63 = 0$$

By multiples I. by 11 and II. by 13

$$77x - 99y = -561$$

$$\underline{-77x + 91y = 441}$$

$$-8y = -120$$

$$y = 15, x = 12$$

So,  $y > x$

$$41. (4) \quad \text{Required ratio} = \frac{(450+360+400) \times 100}{(450+560+420) \times 100} = \frac{1210}{1430}$$

$$= \frac{11}{13}$$

$$42. (4) \quad \text{required difference}$$

$$= \frac{(520+480+450+560) \times 100}{4} - \frac{(450+360+400+450+540) \times 100}{5}$$

$$= 50250 - 44000$$

$$= 6250$$

$$43. (1) \quad \text{Required percentage}$$

$$= \frac{(520+450) \times 100 - (360+450) \times 100}{(360+450) \times 100} \times 100$$

$$= \frac{970-810}{810} \times 100$$

$$= \frac{160}{81} \approx 20\%$$

$$44. (2) \quad \text{total production of cars in year 2012}$$

$$= (450 \times \frac{100}{112.5} + 520 \times \frac{100}{80}) \times 100$$

$$= (400 + 650) \times 100$$

$$= 105000$$

$$45. (5) \quad \text{Unsold Ford cars in year 2017}$$

$$= (540 - \frac{70}{100} \times 450 \times \frac{10}{9}) \times 100$$

$$= 54000 - 35000$$

$$= 19000$$

**46-50.** Let the number of female passengers be 100x.  
Then, the number of male passengers

$$= 100x \times \frac{175}{100} = 175x$$

The number of female passengers who like Coffee

$$100x \times \frac{160}{3 \times 100} = 320$$

$$x = 6$$

Number of total female passengers =  $6 \times 100 = 600$

Number of total male passengers =  $175 \times 6 = 1050$

Number of passengers who like Tea

$$= \frac{1650 \times 61}{165} = 610$$

Number of passengers who like coffee

$$= \frac{1650 \times 67}{165} = 670$$

Number of passengers who like Lassi

$$= 1650 - (610 + 670) = 370$$

Number of female who like Tea =  $(600 - 320) \times \frac{4}{7} = 160$

Number of male who like Lassi =  $600 - (320 + 160) = 120$

Let the number of male passengers who like coffee be 7y

Then, number of male passengers who like tea

$$= 7y \times \frac{9}{7} = 9y$$

Number of male passengers who like Lassi

$$= \frac{9y}{9} \times 5 = 5y$$

ATQ,

$$7y + 9y + 5y = 1050$$

$$y = 50$$

Passengers	Tea	Coffee	Lassi	Total
Male	450	350	250	1050
Female	160	320	120	600
Total	610	670	370	1650

$$46. (2) \quad \text{Required difference} = 250 - 160 = 90$$

$$47. (1) \quad \text{Total no. of female passengers who like Tea and Lassi together} = 160 + 120 = 280$$

$$\text{Required \%} = \frac{350-280}{350} \times 100 = 20\%$$

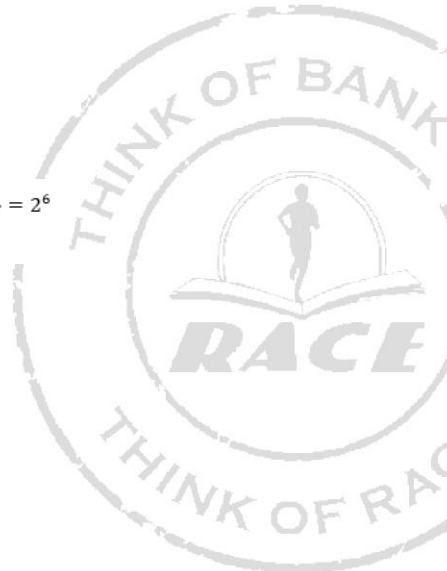
$$48. (3) \quad \text{Required avg.} = \frac{610+670}{2} = \frac{1280}{2} = 640$$

$$49. (3) \quad \text{Required ratio} = \frac{610+370}{1050} = \frac{980}{1050} = \frac{14}{15}$$

$$50. (2) \quad \text{Required \%} = \frac{350+160}{1650} \times 100$$

$$= \frac{510}{1650} \times 100\%$$

$$= 30 \frac{10}{11} \%$$



51. (4) sum left at the end of first year  
 $= \left(400 + 400 \times \frac{10}{100}\right) - 200 = Rs. 240$   
 sum left at the end of 2<sup>nd</sup> year  
 $= \left(240 + 240 \times \frac{10}{100}\right) - 64 = Rs. 200$   
 sum paid at the end of 3<sup>rd</sup> year to clear his  
 debt.  $= \left(200 + 200 \times \frac{10}{100}\right) = Rs. 220$
52. (3) quantity of water and acid in initial mixture  
 $= 50 \times \frac{40}{100}, 50 \times \frac{60}{100} = 20\text{lit and } 30\text{ lit respectively.}$   
 Quantity of acid left after 30 lit of mixture  
 taken out  $= 30 - 30 \times \frac{3}{5} = 12\text{ lit.}$   
 Quantity of water left after 30 lit of mixture  
 taken out  $= 20 - 30 \times \frac{2}{5} = 8\text{ lit.}$   
 Required ratio  $= \left(8 + 50 \times \frac{60}{100}\right) : \left(12 + 50 \times \frac{40}{100}\right) = 19:16$

53. (1) let total work = 96 units (multiple of 16)  
 Let efficiency of Hemant =  $4x$  units/day  
 Then, efficiency of Manoj and Vikash =  
 $3x$  units/day and  $2x$  units/day respectively  
 ATQ

$$4x + 2x = \frac{96}{16}$$

$$6x = 6$$

$$x = 1$$

$$\text{Required time} = \frac{96}{3 \times 1 \times \frac{150}{100}} = 21\frac{1}{3} \text{ days.}$$

54. (2) let speed of trains - A & B are  $x$  m/s  
 and  $y$  m/s respectively.

ATQ  
 $5x + 5y = 850$   
 $x + y = 170 \dots\dots (i)$

And  
 $x - y = \frac{850}{8} \dots\dots (ii)$

From (i) and (ii)  
 $x = 100$  m/s and  $y = 70$  m/s  
 Required ratio  $= \frac{5 \times 100}{5 \times 70} = 10:7$

55. (1) required probability  $= \frac{13}{52} \times \frac{12}{51} + \frac{4}{52} \times \frac{3}{51}$   
 $= \frac{156+12}{52 \times 51}$   
 $= \frac{14}{221}$

56. (2) No. of book sold =  $K \times$  no. of selection  
 When K is constants

Atq,  
 $1200 = K \times 1050$   
 $K = \frac{1200}{1050}$   
 $K = \frac{8}{7}$

And,  
 $400 = K \times$  no. of selection  
 No. of selection  $= \frac{400 \times 7}{8}$   
 $= 350$

57. (3) Downstream speed of boat  
 $= 11.2 \times \frac{60}{48} = 14$  km/hr  
 Speed of boat  $= 14 \times \frac{3}{4} = 10.5$  km/hr  
 Speed of current  $= 14 \times \frac{1}{4} = 3.5$  km/hr  
 Required time  $= \frac{42}{(10.5+3.5)} + \frac{42}{(10.5-3.5)}$   
 $= 3 + 6$   
 $= 9$  hours

58. (1) Atq  
 $66\frac{2}{3}\% \rightarrow \frac{2}{3}$   
 $\frac{(x-30)\frac{18}{20} + 2.5}{(x-30)\frac{7}{20}} = \frac{2}{1}$   
 $\Rightarrow \frac{13}{20}x - 19.5 + 2.5 = \frac{14}{20}x - 21$

$$\frac{x}{20} = 21 - 17$$

$$x = 20 \times 4$$

$$x = 80 \text{ lit}$$

59. (5) Let speed of boat in still water =  $B$  km/h  
 Let speed of stream =  $W$  km/h

Atq,

$$\frac{36}{B-W} - \frac{48}{B+W} = \frac{3}{2}$$

$$\Rightarrow \frac{12}{B-W} - \frac{16}{B+W} = \frac{1}{2}$$

$$\Rightarrow 24(B+W) - 32(B-W) = B^2 - W^2$$

$$\Rightarrow 56W - 8B = B^2 - W^2$$

So, ratio of  $B : W$  can't be determined

60. (4) Let age of Veer & Sameer six years ago  
 be  $3x$  years and  $7x$  years respectively.

ATQ—

$$\frac{3x+12}{7x+12} = \frac{5}{9}$$

$$27x + 108 = 35x + 60$$

$$8x = 48$$

$$x = 6 \text{ years}$$

$$\text{Required ratio} = \frac{3x+6}{7x+6}$$

$$= \frac{3 \times 6 + 6}{7 \times 6 + 6}$$

$$= \frac{24}{48}$$

$$= 1:2$$

61. (4) required percentage

$$= (28 - 10) \times \frac{3}{15+12+13} \times 100 = 135\%$$

62. (1) Required %  $= \frac{[(28+22)-(15+10)]}{28+22} \times 100$

$$= \frac{25}{50} \times 100$$

$$= 50\%$$

63. (2) required difference

$$= 100000 \times \frac{80}{100} \times \frac{90}{100} \times \frac{22-15}{100}$$

$$= 5040$$

64. (5) required ratio

$$= 100000 \times \frac{80}{100} \times \frac{90}{100} \times \frac{23}{200} : 100000 \times \frac{80}{100} \times \frac{10}{100}$$

$$= 207:200$$

65. (2) no. of valid votes which were

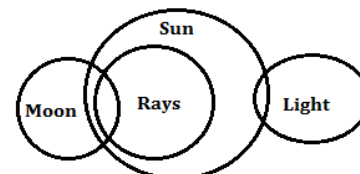
$$\text{not cast} = 100000 \times \frac{20}{100} = 20000$$

No. of valid votes which were  
 cast in favor of B

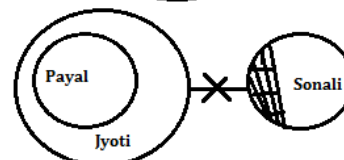
$$= 100000 \times \frac{80}{100} \times \frac{90}{100} \times \frac{10}{100} = 7200$$

$$\text{Required percentage} = \frac{20000-7200}{7200} \times 100 \approx 178\%$$

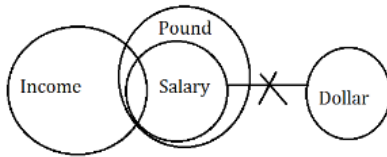
66. (1)



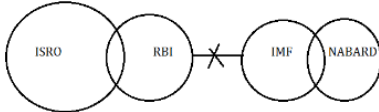
67. (5)



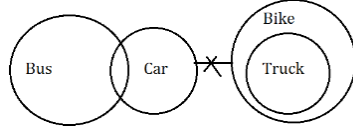
68. (4)



69. (3)



70. (3)



71. (2) I.  $A > H$  (False) II.  $E < D$  (True)

72. (1) I.  $F \geq L$  (True) II.  $F \geq D$  (False)

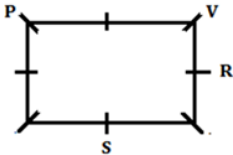
73. (5) I.  $M < D$  (True) II.  $B > U$  (True)

74. (3)  $G > O$  (False) II:  $G \leq O$  (False)

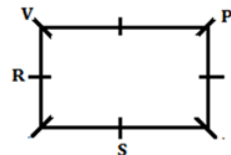
75. (3) I:  $E \geq A$  (False) II:  $R < A$  (False)

**76-80.** From the given statements, S does not sit at any corner of the table. There are two persons sit between S and V. Now we get two possibilities here i.e. **Case 1 and Case 2**. There is one person sit between V and P, who is not an immediate neighbor of S. R is neither an immediate neighbor of P nor S.

Case 1

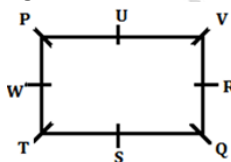


Case 2



From the given statements, U sits immediate right of V. Here **Case 2 is ruled out now**. W sits 3rd to the left of Q.

So, the final arrangement will like this-



76. (3)

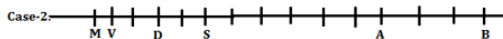
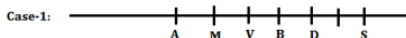
77. (1)

78. (3)

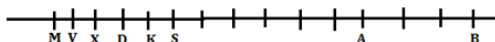
79. (2)

80. (5)

**81-84.** From the given statements, B sits third to the right of A. Only five persons sit between A and S. Here, we get two possibilities i.e. Case 1 and Case 2. V sits fourth to the left of S. M is an immediate neighbor of V. D sits third to the right of M.



From the given statements, K is an immediate neighbor of D. X sits second to the left of K. So, from this case-1 gets eliminated. So, the final arrangement is---



81. (2)

82. (1)

83. (4)

84. (1)

85. (4)



86. (2)

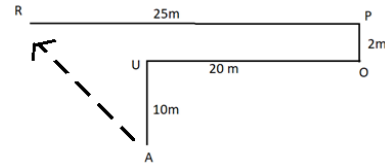
87. (5)

88. (5)

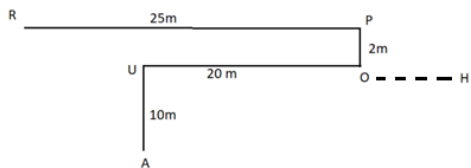
89. (5)

90. (1)

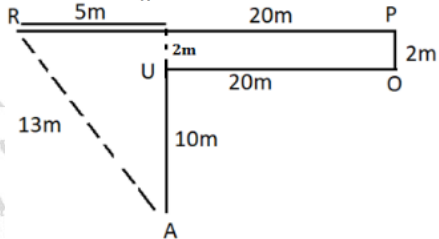
91. (3)



92. (3)



93. (4)



94. (1)

111	234	182	222	423
423	234	222	182	111

95. (2)

111	234	182	222	423
111	432	281	222	324

**96-100.**

Words	Codes
Green/ Are	kl/sw
Garden	bv
Beautiful	eq
Parrot	sz
Horror	ev
Song/In	wf/fr
Behind/Me	kc/sx
Movie	ho

96. (5)

97. (3)

98. (4)

99. (2)

100. (5)