

# BOOKS



The grid displays 48 book covers, organized as follows:

- Row 1:** "THE CRACKER" PRACTICE BOOK FOR GEOMETRY (800+ Questions); 100 SSC CGL (10,000+ Questions); "THE CRACKER" PRACTICE BOOK FOR MENSURATION (850+ Questions); 20+ SSC CGL TIER-II / MAINS 2015-18 (3100 Questions); Ace SSC ARITHMETIC; Ace SSC ADVANCED MATHS.
- Row 2:** Ace SSC GENERAL INTELLIGENCE & REASONING; Ace SSC ENGLISH LANGUAGE & COMPREHENSION BOOK; Ace SSC GENERAL AWARENESS; INSURANCE EXAMS PREVIOUS YEARS' PAPER 2016-2018 (1800+ Questions); BANK PO & CLERK PRELIMS PREVIOUS YEARS' PAPERS BOOK (2400+ Questions); BANK PO | CLERK MAINS PREVIOUS YEARS' PAPERS (2000+ Questions).
- Row 3:** "THE CRACKER" BANK MAINS EXAMS (2000+ Questions); 20+ IBPS PO PRELIMS 2018 MOCK PAPER (2200 Questions); 20+ IBPS CLERK CWE-VIII IBPS CLERK PRELIMS 2018 MOCK PAPERS (2300 Questions); 50+ BANK PO & CLERK 2016-18 (6800+ Questions); A COMPLETE BOOK OF PUZZLE & SEATING ARRANGEMENT (2500+ Questions); A COMPLETE BOOK OF DATA INTERPRETATION & ANALYSIS (2000+ Questions).
- Row 4:** Ace IT OFFICER Professional Knowledge; A Guide to Crack BANK EXAMS INTERVIEWS (JOB INTERVIEW); Ace BANKING & STATIC AWARENESS; Ace REASONING; Ace QUANT; Ace ENGLISH.

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**All India MAHA Mock: IBPS RRB Clerk Prelims (8<sup>th</sup> August 2019)**  
**Solutions**

**S1. Ans.(a)**

**Sol.**

I.  $L < R$  (True)

II.  $T > V$  (False)

**S2. Ans.(c)**

**Sol.**

I.  $E > A$  (False)

II.  $A = E$  (False)

**S3. Ans.(b)**

**Sol.**

I.  $O > I$  (False)

II.  $H > E$  (True)

**S4. Ans.(d)**

**Sol.**

I.  $E \leq M$  (False)

II.  $R \leq O$  (False)

**S5. Ans.(e)**

**Sol.**

I.  $U < Y$  (True)

II.  $T \leq X$  (True)

**S6. Ans.(b)**

**Sol.** E

**S7. Ans.(d)**

**Sol.** Z

**S8. Ans.(c)**

**Sol.** Two – 9%E, 7@E

**S9. Ans.(d)**

**Sol.** Four – SA\$, WR9, QU@, MB&

**S10. Ans.(e)**

**Sol.** @3U

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**S11. Ans.(e)**

**Sol.** M lives on floor number 5. N lives on floor number 3. Two floors are there between the floor on which M and L live. O lives immediately above P. Three floors are there between the floors on which P and Q live. There will be two possibilities

Case1		Case2	
Floor	Person	Floor	Person
9		9	O
8	L	8	P
7	O	7	
6	P	6	
5	M	5	M
4		4	Q
3	N	3	N
2	Q	2	L
1		1	

O lives on one of the floor below vacant floor. This will eliminate Case 2, R lives in one of the floor above S. So the final arrangement will be

Floor	Person
9	Vacant
8	L
7	O
6	P
5	M
4	R
3	N
2	Q
1	S

**S12. Ans.(a)**

**Sol.** M lives on floor number 5. N lives on floor number 3. Two floors are there between the floor on which M and L live. O lives immediately above P. Three floors are there between the floors on which P and Q live. There will be two possibilities

Case1		Case2	
Floor	Person	Floor	Person
9		9	O
8	L	8	P
7	O	7	
6	P	6	
5	M	5	M
4		4	Q
3	N	3	N
2	Q	2	L
1		1	

O lives on one of the floor below vacant floor. This will eliminate Case 2, R lives in one of the floor above S. So the final arrangement will be

Floor	Person
9	Vacant
8	L
7	O
6	P
5	M
4	R
3	N
2	Q
1	S

**S13. Ans.(b)**

**Sol.** M lives on floor number 5. N lives on floor number 3. Two floors are there between the floor on which M and L live. O lives immediately above P. Three floors are there between the floors on which P and Q live. There will be two possibilities

Case1		Case2	
Floor	Person	Floor	Person
9		9	O
8	L	8	P
7	O	7	
6	P	6	
5	M	5	M
4		4	Q
3	N	3	N
2	Q	2	L
1		1	

O lives on one of the floor below vacant floor. This will eliminate Case 2, R lives in one of the floor above S. So the final arrangement will be

Floor	Person
9	Vacant
8	L
7	O
6	P
5	M
4	R
3	N
2	Q
1	S

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**S14. Ans.(d)**

**Sol.** M lives on floor number 5. N lives on floor number 3. Two floors are there between the floor on which M and L live. O lives immediately above P. Three floors are there between the floors on which P and Q live. There will be two possibilities

Case1		Case2	
Floor	Person	Floor	Person
9		9	O
8	L	8	P
7	O	7	
6	P	6	
5	M	5	M
4		4	Q
3	N	3	N
2	Q	2	L
1		1	

O lives on one of the floor below vacant floor. This will eliminate Case 2, R lives in one of the floor above S. So the final arrangement will be

Floor	Person
9	Vacant
8	L
7	O
6	P
5	M
4	R
3	N
2	Q
1	S

**S15. Ans.(c)**

**Sol.** M lives on floor number 5. N lives on floor number 3. Two floors are there between the floor on which M and L live. O lives immediately above P. Three floors are there between the floors on which P and Q live. There will be two possibilities

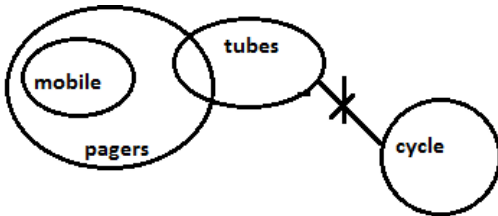
Case1		Case2	
Floor	Person	Floor	Person
9		9	O
8	L	8	P
7	O	7	
6	P	6	
5	M	5	M
4		4	Q
3	N	3	N
2	Q	2	L
1		1	

O lives on one of the floor below vacant floor. This will eliminate Case 2, R lives in one of the floor above S. So the final arrangement will be

Floor	Person
9	Vacant
8	L
7	O
6	P
5	M
4	R
3	N
2	Q
1	S

**S16. Ans.(b)**

**Sol.**

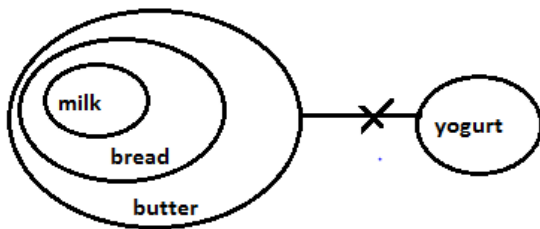


For I – Since, there is no direct relation between element tubes and mobiles. Hence, Conclusion I cannot be concluded.

For II – Since some pagers are tubes and no tube is cycle therefore some pagers are not cycle will be true. Hence, Conclusion II can be concluded.

**S17. Ans.(b)**

**Sol.**

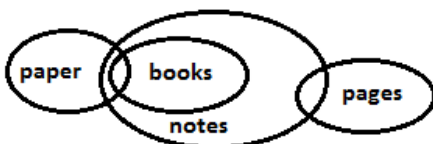


For I – From Venn diagram it is clear that milk cannot be yogurt. Hence, Conclusion I cannot be concluded.

For II – Since, all bread is butter and no butter is yogurt therefore some yogurt is not bread will hold true. Hence, Conclusion II can be concluded.

**S18. Ans.(c)**

**Sol.**



For I – Since there is no direct relation between element pages and paper. Hence, Conclusion I will not hold true.

For II – Since no negative conclusion can be drawn from positive statements therefore Conclusion II cannot be concluded.

Since the elements are same and some & some not case is mentioned. Therefore, “Either –Or” case will be concluded

**S19. Ans.(a)**

**Sol.**



For I – Since, there is no direct relation between element wine and scotch, therefore possibility case will hold true. Hence, Conclusion I can be concluded.

For II – Since, there is a direct relation between rum and vodka, therefore possibility case will not hold true. Hence, Conclusion II cannot be concluded.

**S20. Ans.(d)**

**Sol.**



For I – Since there is no direct relation between burger and wraps we cannot conclude that Some burgers are Wraps. Hence, Conclusion I cannot be concluded.

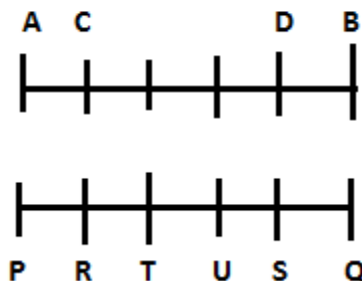
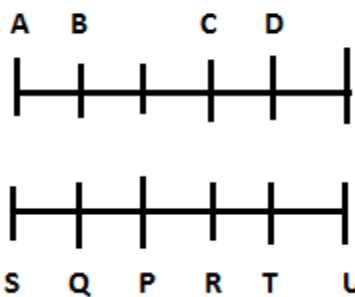
For II – Since, no conclusion can be drawn from two negative statements. Hence, Conclusion II cannot be concluded.

**S21. Ans.(c)**

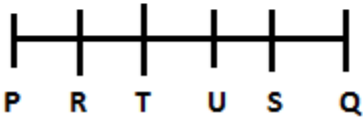
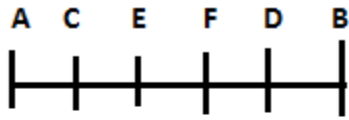
**Sol.** U sits third to the right of P and one of them sits at the end of the row. A sits at the right end of the row. Three persons sit between A and D. T sits to the immediate left of U. Two persons sit between T and Q. Q who faces B sits to the immediate right of S. C faces R. There will be two possibilities.

Case 1

Case 2



E sits to the immediate left of C. So Case 1 will be eliminated. The final arrangement is:

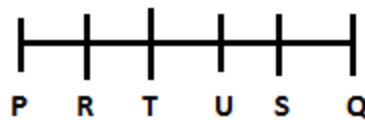
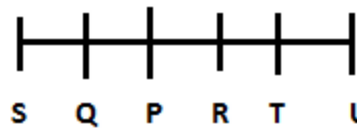
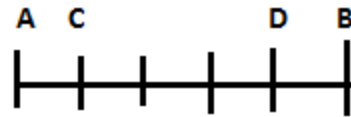
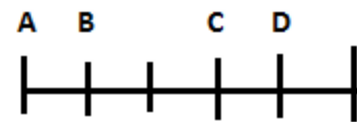


**S22. Ans.(b)**

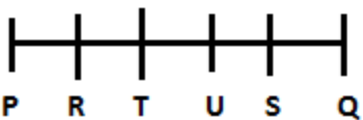
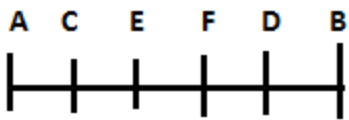
**Sol.** U sits third to the right of P and one of them sits at the end of the row. A sits at the right end of the row. Three persons sit between A and D. T sits to the immediate left of U. Two persons sit between T and Q. Q who faces B sits to the immediate right of S. C faces R. There will be two possibilities.

Case 1

Case 2



E sits to the immediate left of C. So Case 1 will be eliminated. The final arrangement is:

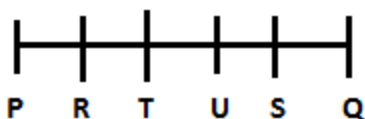
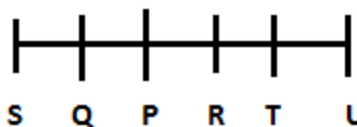
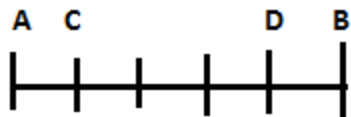
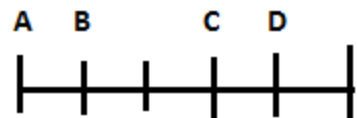


**S23. Ans.(d)**

**Sol.** U sits third to the right of P and one of them sits at the end of the row. A sits at the right end of the row. Three persons sit between A and D. T sits to the immediate left of U. Two persons sit between T and Q. Q who faces B sits to the immediate right of S. C faces R. There will be two possibilities.

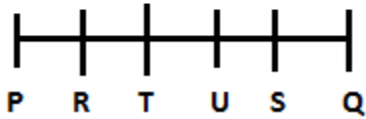
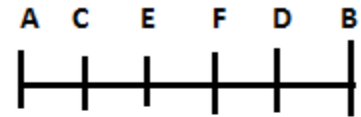
Case 1

Case 2





E sits to the immediate left of C. So Case 1 will be eliminated. The final arrangement is:

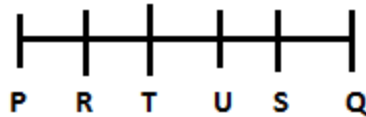
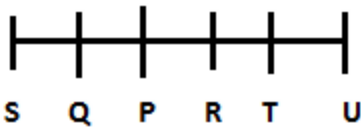
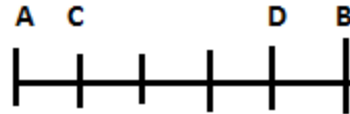
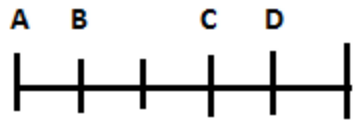


**S24. Ans.(b)**

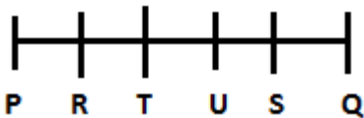
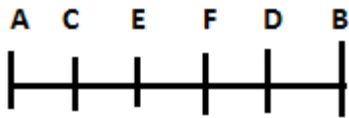
**Sol.** U sits third to the right of P and one of them sits at the end of the row. A sits at the right end of the row. Three persons sit between A and D. T sits to the immediate left of U. Two persons sit between T and Q. Q who faces B sits to the immediate right of S. C faces R. There will be two possibilities.

Case 1

Case 2



E sits to the immediate left of C. So Case 1 will be eliminated. The final arrangement is:

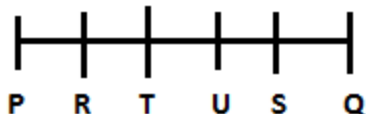
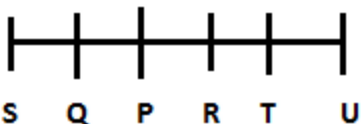
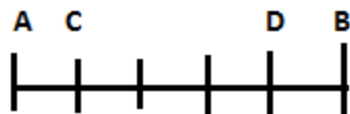
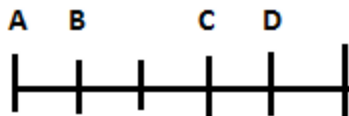


**S25. Ans.(e)**

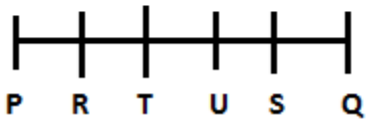
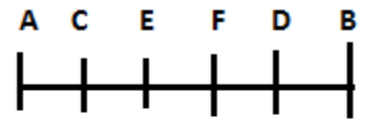
**Sol.** U sits third to the right of P and one of them sits at the end of the row. A sits at the right end of the row. Three persons sit between A and D. T sits to the immediate left of U. Two persons sit between T and Q. Q who faces B sits to the immediate right of S. C faces R. There will be two possibilities.

Case 1

Case 2



E sits to the immediate left of C. So Case 1 will be eliminated. The final arrangement is:



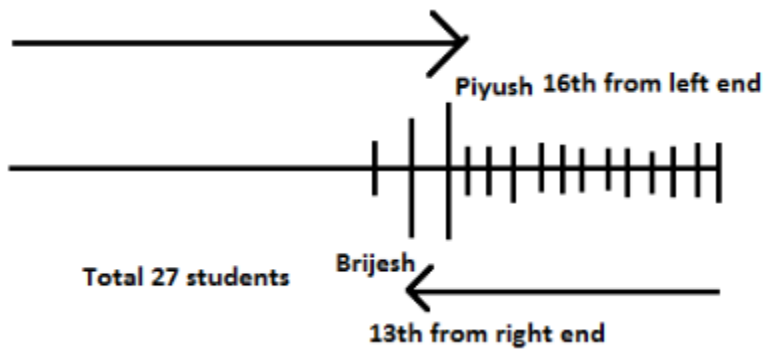
S26. Ans.(e)

S27. Ans.(b)

Sol. Niece

S28. Ans.(d)

Sol.



No one sits between them.

S29. Ans.(d)

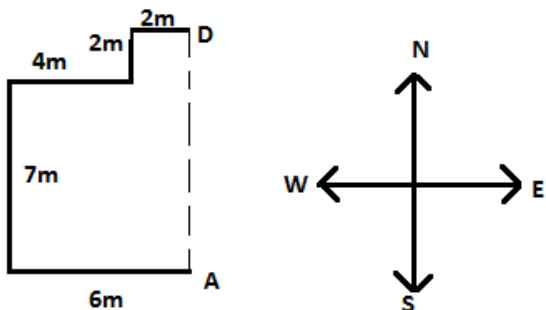
Sol.  $(10 \times 3 + 16 \div 4 - 2) = 32$

S30. Ans.(a)

Sol. No pairs of letters in the word "CAPSULE".

S31. Ans.(b)

Sol.



$(7+2) = 9m$

LIVE BATCH

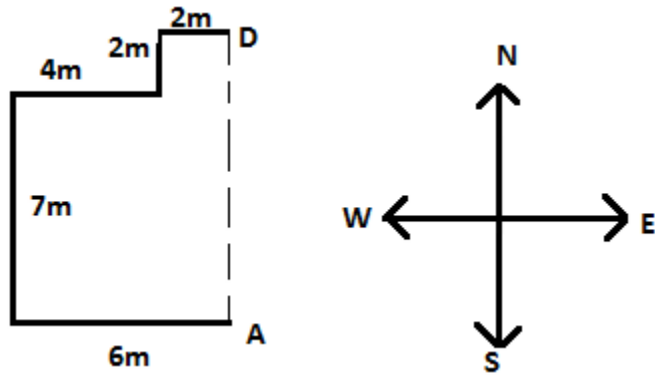
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S32. Ans.(c)

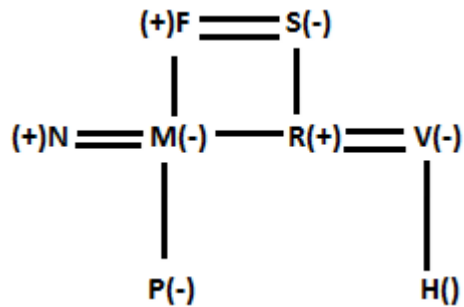
Sol.



South

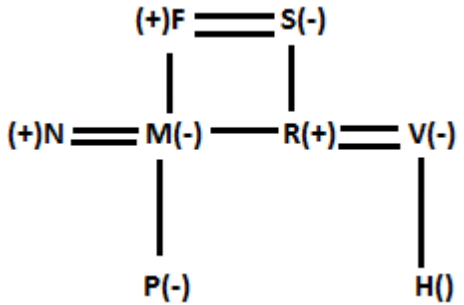
S33. Ans.(c)

Sol.



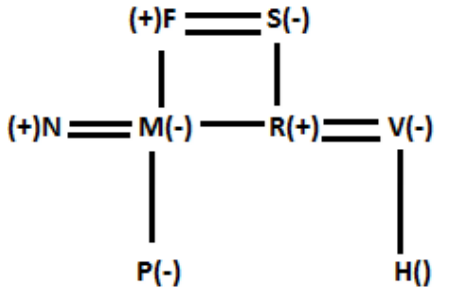
S34. Ans.(e)

Sol.



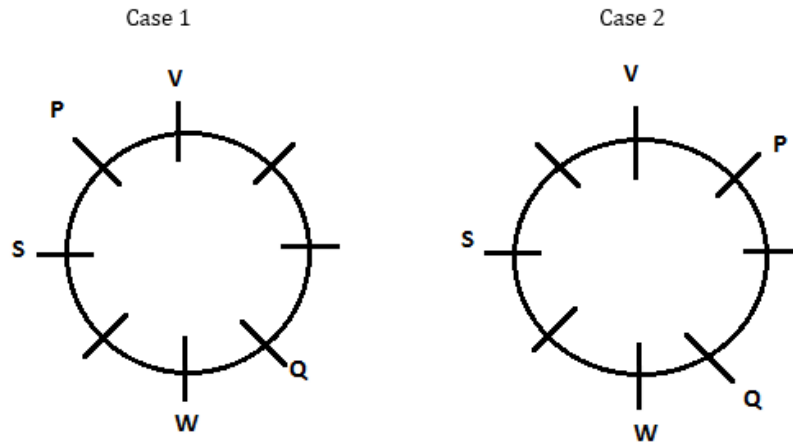
S35. Ans.(c)

Sol.

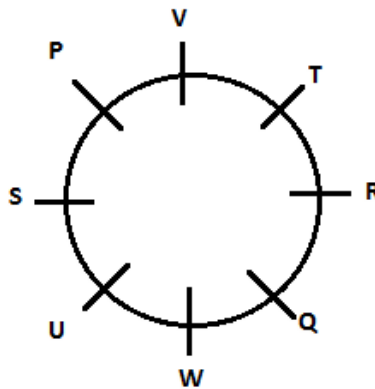


**S36. Ans.(b)**

**Sol.** V sits opposite to W. Q is an immediate neighbor of W. S sits third to the right of Q. P is an immediate neighbor of V. We get two possibilities

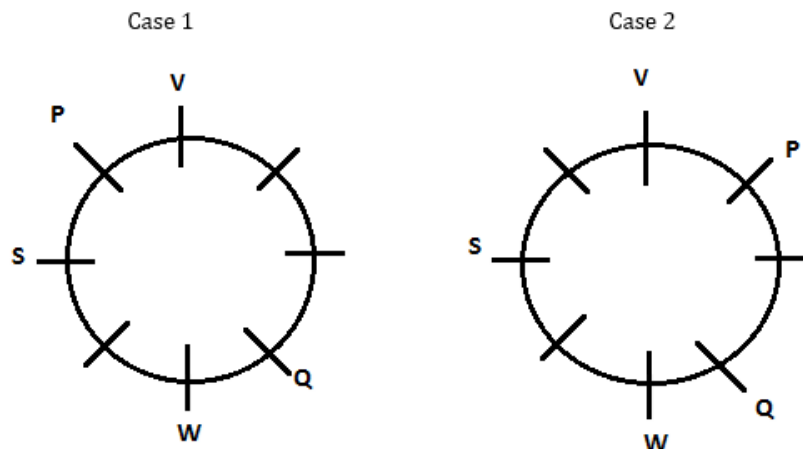


U sits opposite to T. This will eliminate Case 2. S is not an immediate neighbor of T. So the final arrangement will be:

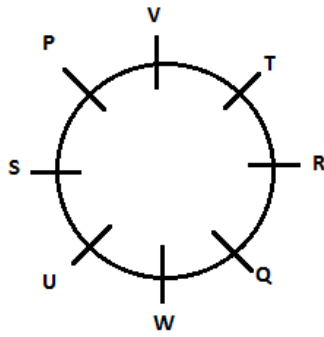


**S37. Ans.(c)**

**Sol.** V sits opposite to W. Q is an immediate neighbor of W. S sits third to the right of Q. P is an immediate neighbor of V. We get two possibilities

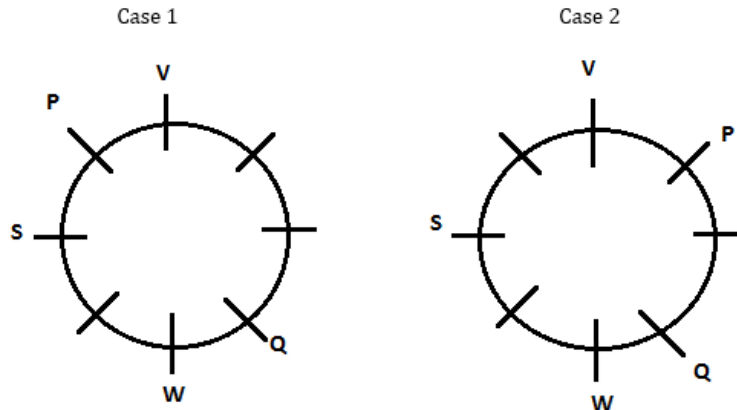


U sits opposite to T. This will eliminate Case 2. S is not an immediate neighbor of T. So the final arrangement will be:

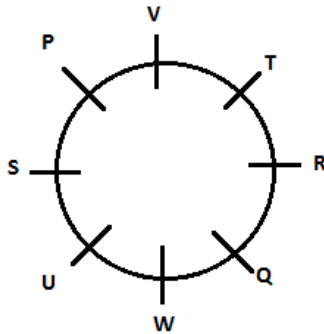


**S38. Ans.(a)**

**Sol.** V sits opposite to W. Q is an immediate neighbor of W. S sits third to the right of Q. P is an immediate neighbor of V. We get two possibilities

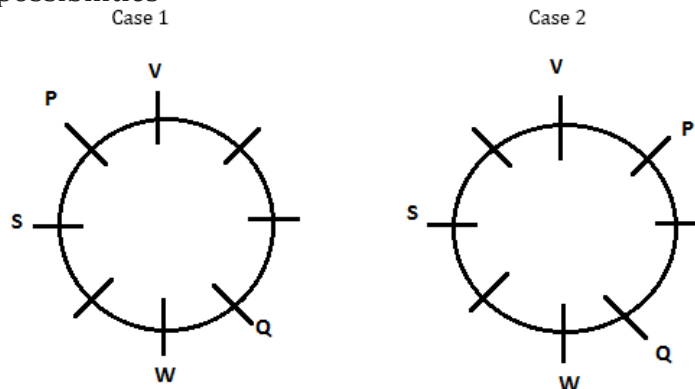


U sits opposite to T. This will eliminate Case 2. S is not an immediate neighbor of T. So the final arrangement will be:

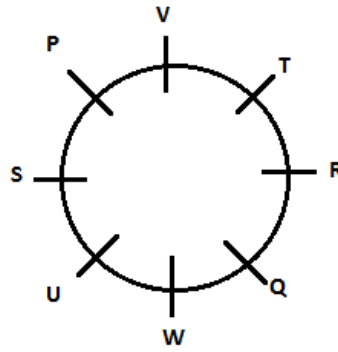


**S39. Ans.(e)**

**Sol.** V sits opposite to W. Q is an immediate neighbor of W. S sits third to the right of Q. P is an immediate neighbor of V. We get two possibilities

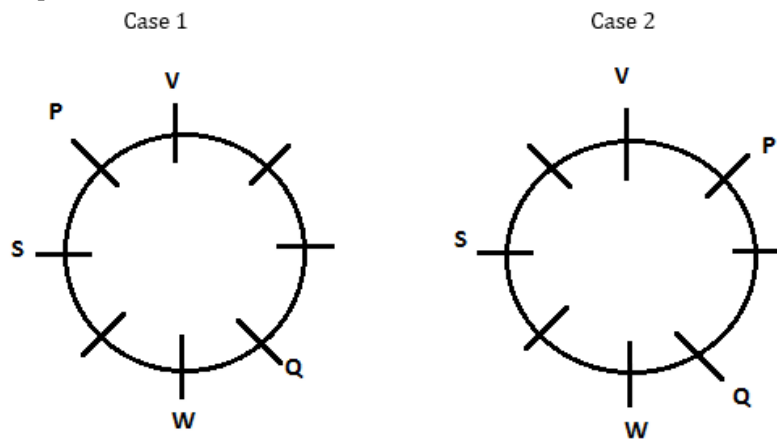


U sits opposite to T. This will eliminate Case 2. S is not an immediate neighbor of T. So the final arrangement will be:

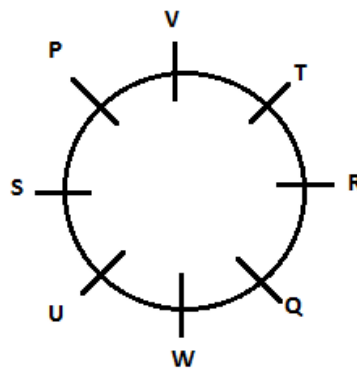


**S40. Ans.(d)**

**Sol.** V sits opposite to W. Q is an immediate neighbor of W. S sits third to the right of Q. P is an immediate neighbor of V. We get two possibilities



U sits opposite to T. This will eliminate Case 2. S is not an immediate neighbor of T. So the final arrangement will be:



**S41. Ans.(b)**

**Sol.**

Let sum = Rs. P  $\because 16\frac{2}{3}\% = \frac{50}{3}\%$

$$\therefore 1250 = \frac{P \times 3 \times 50}{100 \times 3}$$

$$\therefore P = 2,500$$

S42. Ans.(a)

Sol.

Let fraction =  $\frac{p}{q}$

$$\text{ATQ, } \frac{p + \frac{20}{100} \times p}{q - \frac{30}{100} \times q} = \frac{5}{3}$$

$$\Rightarrow \frac{\frac{6p}{7q}}{\frac{5}{3}} = \frac{5}{3}$$

$$\Rightarrow \frac{12p}{7q} = \frac{5}{3}$$

$$\Rightarrow \frac{p}{q} = \frac{35}{36}$$

S43. Ans.(c)

Sol.

Required C.I. paid by Rajjo to PNB

$$= 6300 \left[ \left( 1 + \frac{100}{300} \right)^2 - 1 \right]$$

$$= 6300 \times \frac{7}{9}$$

$$= 4900$$

S44. Ans.(d)

Sol.

Savings of Raheem =  $100 - (36 + 40)$

$$= 24\%$$

ATQ, 24% → 14,400

$$\Rightarrow 100\% \rightarrow \frac{14400}{24} \times 100 = \text{Rs. } 60,000$$

S45. Ans.(a)

Sol.

Let present population = P

$$\therefore 21,600 = P \left( 1 + \frac{20}{100} \right)^3$$

$$\Rightarrow P = \frac{21,600 \times 125}{216}$$

$$\Rightarrow P = 12,500$$

S46. Ans.(b)

Sol.

$$? = 3 \times 106 + 5 \times 90 - 6 \times 49$$

$$= 474$$

S47. Ans.(c)

Sol.

$$? \times 5 = \frac{33}{100} \times 600 + \frac{44}{100} \times 225$$

$$= 198 + 99$$

$$\Rightarrow ? = 59.4$$

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**S48. Ans.(d)**

**Sol.**

$$\begin{aligned} ? &= 115.1 + 11.11 + 11.1 \\ &= 137.31 \end{aligned}$$

**S49. Ans.(b)**

**Sol.**

$$\begin{aligned} ? \times 2 &= 606 + 30 \\ &= 636 \\ \Rightarrow ? &= 318 \end{aligned}$$

**S50. Ans.(c)**

**Sol.**

$$\begin{aligned} ? &= 169 + 289 + 529 - 576 - 216 \\ &= 195 \end{aligned}$$

**S51. Ans.(a)**

**Sol.**

$$\begin{aligned} \text{Required percentage} &= \frac{45}{75} \times 100 \\ &= 60\% \end{aligned}$$

**S52. Ans.(b)**

**Sol.**

$$\begin{aligned} \text{Required average} &= \frac{1}{5} \times (64 + 60 + 72 + 40 + 84) \\ &= \frac{1}{5} \times 320 \\ &= 64 \end{aligned}$$

**S53. Ans.(c)**

**Sol.**

$$\begin{aligned} \text{Required ratio} &= \frac{(80+60)}{(60+40)} \\ &= \frac{140}{100} = \frac{7}{5} \end{aligned}$$

**S54. Ans.(d)**

**Sol.**

$$\begin{aligned} \text{Required difference} &= (60 + 80 + 45 + 75 + 90) - (64 + 60 + 72 + 40 + 84) \\ &= 350 - 320 \\ &= 30 \end{aligned}$$

**S55. Ans.(b)**

**Sol.**

$$\begin{aligned} \text{Required percentage} &= \frac{90-84}{90} \times 100 \\ &= \frac{100}{15} = \frac{20}{3} \% = 6\frac{2}{3}\% \end{aligned}$$

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**S56. Ans.(a)**

**Sol.**

Series is

$$4.7 + 8 = 12.7$$

$$12.7 + 16 = 28.7$$

$$28.7 + 32 = 60.7$$

$$60.7 + 64 = 124.7$$

$$124.7 + 128 = 252.7$$

**S57. Ans.(b)**

**Sol.**

Series is  $1 \times 3 + 1 = 4$

$$4 \times 3 + 2 = 14$$

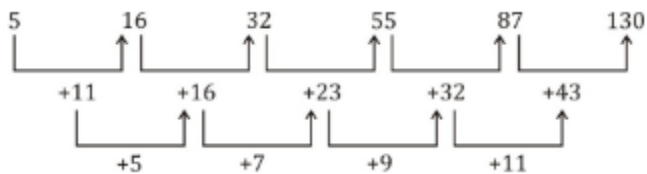
$$14 \times 3 + 3 = 45$$

$$45 \times 3 + 4 = 139$$

$$139 \times 3 + 5 = 422$$

**S58. Ans.(d)**

**Sol.** Pattern is



**S59. Ans.(c)**

**Sol.**

Series is

$$21^2 - 1 = 441 - 1 = 440$$

$$25^2 - 1 = 625 - 1 = 624$$

$$29^2 - 1 = 841 - 1 = 840$$

$$33^2 - 1 = 1089 - 1 = 1088$$

$$37^2 - 1 = 1369 - 1 = 1368$$

$$41^2 - 1 = 1681 - 1 = 1680$$

**S60. Ans.(d)**

**Sol.**

$$981 - 20 = 961$$

$$961 - 25 = 936$$

$$936 - 30 = 906$$

$$906 - 35 = 871$$

$$871 - 40 = 831$$

**S61. Ans.(a)**

**Sol.**

Let length of train A =  $3x$

Length of train B =  $5x$

Speed of train A =  $72 \times \frac{5}{18} = 20$  m/sec

Speed of train B =  $54 \times \frac{5}{18} = 15$  m/sec

ATQ,

$$\frac{8x}{20+15} = 16$$

$$\Rightarrow x = 70$$

$\therefore$  Length of train B =  $5 \times 70 = 350$  m

**S62. Ans.(c)**

**Sol.**

(Profit of Ramesh) : (Profit of Ramu) : (Profit of Keshav)

=  $36000 \times 12 : 48000 \times 12 : 24000 \times 6$

=  $3 : 4 : 1$

$\therefore$  Profit of Ramu =  $\frac{4}{8} \times 6400$

= Rs. 3200

**S63. Ans.(d)**

**Sol.**

Let the present age of P and Q is P years and Q years respectively

$$P + Q = 54 \text{ _____ (I)}$$

$$\text{And, } \frac{P+4}{Q+4} = \frac{2}{3}$$

$$\Rightarrow 3P + 12 = 2Q + 8$$

$$\Rightarrow 3P - 2Q = -4 \text{ _____ (II)}$$

Solving equation (I) and (II)

$$(P + Q = 54) \times 2$$

$$3P - 2Q = -4$$

$$5P = 104$$

$$\Rightarrow P = 20.8 \text{ years}$$

**S64. Ans.(b)**

**Sol.**

$$\text{Total no. of ways} = \frac{6!}{2! \times 2!} (\because 2A \& 2G)$$

$$= 180$$

**S65. Ans.(c)**

**Sol.**

Favourable cases =  $(1, 3, 5) = 3$

Possible cases = 6

$$\therefore \text{Required probability} = \frac{3}{6} = \frac{1}{2}$$

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**S66. Ans.(e)****Sol.**

$$\begin{aligned} \text{I. } x^2 + 9x - 22 &= 0 \\ \Rightarrow x^2 + 11x - 2x - 22 &= 0 \\ \Rightarrow (x + 11)(x - 2) &= 0 \\ \Rightarrow x &= -11, 2 \end{aligned}$$

$$\begin{aligned} \text{II. } 2y^2 - 7y + 6 &= 0 \\ \Rightarrow 2y^2 - 4y - 3y + 6 &= 0 \\ \Rightarrow 2y(y-2) - 3(y-2) &= 0 \\ \Rightarrow (y-2)(2y-3) &= 0 \\ \Rightarrow y &= 2, \frac{3}{2} \end{aligned}$$

No relation

**S67. Ans.(e)****Sol.**

$$\begin{aligned} \text{I. } 2y^2 - 13y - 34 &= 0 \\ \Rightarrow 2y^2 - 17y + 4y - 34 &= 0 \\ \Rightarrow y(2y-17) + 2(2y-17) &= 0 \\ \Rightarrow (2y-17)(y+2) &= 0 \\ \Rightarrow y &= \frac{17}{2}, -2 \end{aligned}$$

$$\begin{aligned} \text{II. } 3x^2 - 11x - 20 &= 0 \\ \Rightarrow 3x^2 - 15x + 4x - 20 &= 0 \\ \Rightarrow 3x(x-5) + 4(x-5) &= 0 \\ \Rightarrow (x-5)(3x+4) &= 0 \\ \Rightarrow x &= 5, \frac{-4}{3} \end{aligned}$$

No relation

**S68. Ans.(b)****Sol.**

$$\begin{aligned} \text{I. } x^4 &= 256 \\ \Rightarrow x &= \pm 4 \\ \text{II. } y^2 - 16y + 64 &= 0 \\ \Rightarrow (y-8)^2 &= 0 \\ \Rightarrow y &= 8 \\ y &> x \end{aligned}$$

**S69. Ans.(e)****Sol.**

$$\begin{aligned} \text{I. } x^2 - 46x + 528 &= 0 \\ \Rightarrow x^2 - 24x - 22x + 528 &= 0 \\ \Rightarrow (x-24)(x-22) &= 0 \\ \Rightarrow x &= 24, 22 \end{aligned}$$

$$\begin{aligned} \text{II. } y^2 - 48y + 572 &= 0 \\ y^2 - 26y - 22y + 572 &= 0 \\ (y-26)(y-22) &= 0 \\ y &= 26, 22 \end{aligned}$$

No relation

**S70. Ans.(b)**

**Sol.**

$$I. 2x + 3y = 4$$

$$II. 4x + 5y = 6$$

Solving eq. (I) and (II),

$$(2x + 3y = 4) \times 2$$

$$4x + 5y = 6$$

$$y = 2$$

Put  $y = 2$  in eq. (I),

$$2x + 6 = 4$$

$$\Rightarrow x = -1$$

$$y > x$$

**S71. Ans.(c)**

**Sol.**

$$? = 29 + 170 - 115$$

$$= 84$$

**S72. Ans.(d)**

**Sol.**

$$?^2 = \frac{40}{100} \times 420 + \frac{44}{100} \times 200$$

$$= 168 + 88$$

$$= 256$$

$$\Rightarrow ? = \pm 16$$

**S73. Ans.(b)**

**Sol.**

$$\frac{20}{100} \times ? = 1098$$

$$\Rightarrow ? = 5490$$

**S74. Ans.(a)**

**Sol.**

$$\frac{3^{4(?+2)}}{10^{4(?+2)}} = \frac{3^8 \times 3^2 \times 3^8}{10^8 \times 10^2 \times 10^8}$$

$$(0.3)^{4(?+2)} = \frac{3^8}{10^8} = (0.3)^8$$

$$\Rightarrow 4(? + 2) = 8$$

$$\Rightarrow ? = 0$$

**S75. Ans.(b)**


**Sol.**

$$? = 12 + 28 + 36 - 8$$

$$= 76 - 8$$

$$= 68$$

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**S76. Ans.(a)**

**Sol.**

$$\begin{aligned} ? &= 13 \times 4 + 17 \times 5 - 44 \times \frac{625}{100} \\ &= -138 \end{aligned}$$

**S77. Ans.(e)**

**Sol.**

$$\begin{aligned} ? &= \frac{24}{100} \times 125 + \frac{48}{100} \times 150 \\ &= \frac{10200}{100} \\ &= 102 \end{aligned}$$

**S78. Ans.(c)**

**Sol.**

$$\begin{aligned} ? &= \frac{7}{3} \times \frac{30}{7} \times \frac{10}{3} \times 81 \\ &= 2700 \end{aligned}$$

**S79. Ans.(b)**

**Sol.**

$$\begin{aligned} ? &= 450 + 13 - 28 + 75 \\ &= 510 \end{aligned}$$

**S80. Ans.(a)**

**Sol.**

$$\begin{aligned} ? &= (3 + 4 - 4 + 5) + \left(\frac{1}{2} + \frac{3}{4} - \frac{3}{5} + \frac{1}{2}\right) \\ &= 8 + \left(\frac{23}{20}\right) \\ &= 9\frac{3}{20} \end{aligned}$$

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