AIM of IBPS RRB Clerk Prelims 2022 Solutions PDF 23rd-24th July

S1. Ans.(a)
Sol. From the given information, A lives on even numbered floor but above the floor numbered four. There are two possibilities. Three persons live between A and E. Only one person lives between E and H.

Floors	Case-1 Persons	Caes-2 Persons
8		A
7		
6	A	H/
5		
4	H	E
3		
2	E	H/
1		

Two persons live between H and B. Three persons live between B and G. Only one person lives between C and G, who lives below C's floor. Not more than two persons live between C and D. From this condition case-1 will be eliminated. F lives above D's floor. The final arrangement is-

Floor	Persons
8	A
7	F
6	D
5	B
4	E
3	C
2	H
1	G

S2. Ans.(b)
Sol. From the given information, A lives on even numbered floor but above the floor numbered four. There are two possibilities. Three persons live between A and E. Only one person lives between E and H.

Floors	Case-1 Persons	Caes-2 Persons
8		A
7		
6	A	H/
5		
4	H	E
3		
2	E	H/
1		

Two persons live between H and B. Three persons live between B and G. Only one person lives between C and G, who lives below C's floor. Not more than two persons live between C and D. From this condition case-1 will be eliminated. F lives above D's floor. The final arrangement is-

Floor	Persons
8	A
7	F
6	D
5	B
4	E
3	C
2	H
1	G

S3. Ans.(c)
Sol. From the given information, A lives on even numbered floor but above the floor numbered four. There are two possibilities. Three persons live between A and E. Only one person lives between E and H.

Floors	Case-1 Persons	Caes-2 Persons
8		A
7		
6	A	H/
5		
4	H	E
3		
2	E	H/
1		

Two persons live between H and B. Three persons live between B and G. Only one person lives between C and G, who lives below C's floor. Not more than two persons live between C and D. From this condition case-1 will be eliminated. F lives above D's floor. The final arrangement is-

Floor	Persons
8	A
7	F
6	D
5	B
4	E
3	C
2	H
1	G

S4. Ans.(d)
Sol. From the given information, A lives on even numbered floor but above the floor numbered four. There are two possibilities. Three persons live between A and E. Only one person lives between E and H.

Floors	Case-1 Persons	Caes-2 Persons
8		A
7		
6	A	H/
5		
4	H	E
3		
2	E	H/
1		

Two persons live between H and B. Three persons live between B and G. Only one person lives between C and G, who lives below C's floor. Not more than two persons live between C and D. From this condition case-1 will be eliminated. F lives above D's floor. The final arrangement is-

Floor	Persons
8	A
7	F
6	D
5	B
4	E
3	C
2	H
1	G

S5. Ans.(e)
Sol. From the given information, A lives on even numbered floor but above the floor numbered four. There are two possibilities. Three persons live between A and E. Only one person lives between E and H.

Floors	Case-1 Persons	Caes-2 Persons
8		A
7		
6	A	H/
5		
4	H	E
3		
2	E	H/
1		

Two persons live between H and B. Three persons live between B and G. Only one person lives between C and G, who lives below C's floor. Not more than two persons live between C and D. From this condition case-1 will be eliminated. F lives above D's floor. The final arrangement is-

Floor	Persons
8	A
7	F
6	D
5	B
4	E
3	C
2	H
1	G

S6. Ans.(b)
Sol.

Word	Code
Impact	La
Show	Ta
Economy	Zo
Down	Bc
Fiscal/policy	Cv/mo
Change	Vx
Return	Ea
Challenge	Dv
Growth/country	Fx/kz

S7. Ans.(e)
Sol.

Word	Code
Impact	La
Show	Ta
Economy	Zo
Down	Bc
Fiscal/policy	Cv/mo
Change	Vx
Return	Ea
Challenge	Dv
Growth/country	Fx/kz

S8. Ans.(c)
Sol.

Word	Code
Impact	La
Show	Ta
Economy	Zo
Down	Bc
Fiscal/policy	Cv/mo
Change	Vx
Return	Ea
Challenge	Dv
Growth/country	Fx/kz

S9. Ans.(b)
Sol.

Word	Code
Impact	La
Show	Ta
Economy	Zo
Down	Bc
Fiscal/policy	Cv/mo
Change	Vx
Return	Ea
Challenge	Dv
Growth/country	Fx/kz

S10. Ans.(d)
Sol.

Word	Code
Impact	La
Show	Ta
Economy	Zo
Down	Bc
Fiscal/policy	Cv/mo
Change	Vx
Return	Ea
Challenge	Dv
Growth/country	Fx/kz

S11. Ans.(e)
Sol. P sits third to the right of Q. Four persons sit between R and P. S sits second to the left of R. Four persons sit between R and E. E sits third from one of the extreme ends. There are two possibilities-
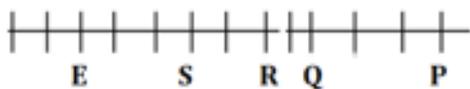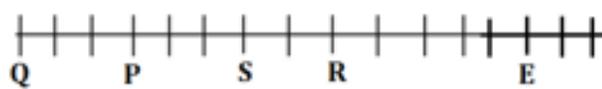

B sits sixth to the right of D who is an immediate neighbor of R. D sits right of R. As many persons sit between E and D as many between Q and L. From this condition case-2 will be eliminated. L does not sit left of Q. K is fifth from one of the extreme ends and one person sits between L and K. Q does not sit left of D. K is not an immediate neighbour of P. The final arrangement is-
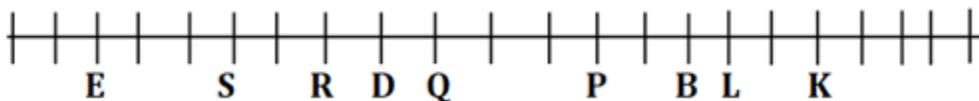
S12. Ans.(d)
Sol. P sits third to the right of Q. Four persons sit between R and P. S sits second to the left of R. Four persons sit between R and E. E sits third from one of the extreme ends. There are two possibilities-
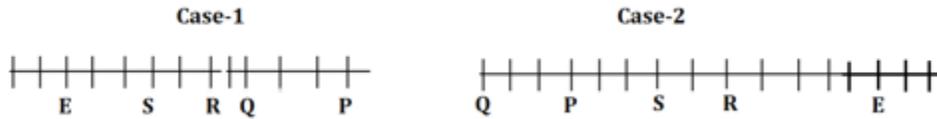

B sits sixth to the right of D who is an immediate neighbor of R. D sits right of R. As many persons sit between E and D as many between Q and L. From this condition case-2 will be eliminated. L does not sit left of Q. K is fifth from one of the extreme ends and one person sits between L and K. Q does not sit left of D. K is not an immediate neighbour of P. The final arrangement is-
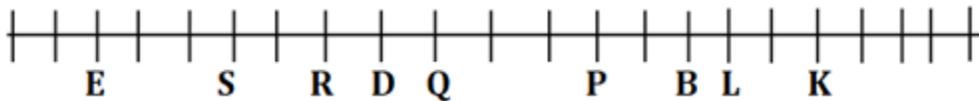
S13. Ans.(b)
Sol. P sits third to the right of Q. Four persons sit between R and P. S sits second to the left of R. Four persons sit between R and E. E sits third from one of the extreme ends. There are two possibilities-
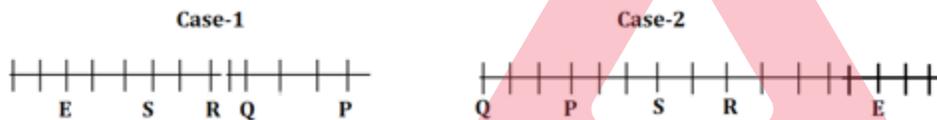

B sits sixth to the right of D who is an immediate neighbor of R. D sits right of R. As many persons sit between E and D as many between Q and L. From this condition case-2 will be eliminated. L does not sit left of Q. K is fifth from one of the extreme ends and one person sits between L and K. Q does not sit left of D. K is not an immediate neighbour of P. The final arrangement is-


S14. Ans.(c)
Sol. P sits third to the right of Q. Four persons sit between R and P. S sits second to the left of R. Four persons sit between R and E. E sits third from one of the extreme ends. There are two possibilities-
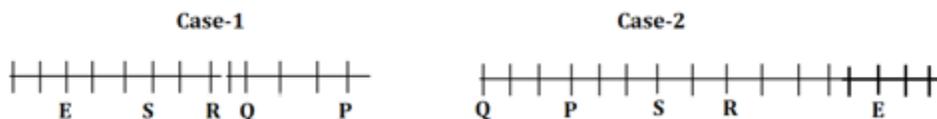
B sits sixth to the right of D who is an immediate neighbor of R. D sits right of R. As many persons sit between E and D as many between Q and L. From this condition case-2 will be eliminated. L does not sit left of Q. K is fifth from one of the extreme ends and one person sits between L and K. Q does not sit left of D. K is not an immediate neighbour of P. The final arrangement is-

S15. Ans.(c)
Sol.

$P^{(+)}$═══$Q^{(-)}$
|
$R^{(-)}$═══$S^{(+)}$
|
$T^{(-)}$───$U^{(+)}$═══$V^{(-)}$

S16. Ans.(d)
Sol.

$P^{(+)}$═══$Q^{(-)}$
|
$R^{(-)}$═══$S^{(+)}$
|
$T^{(-)}$───$U^{(+)}$═══$V^{(-)}$

S17. Ans.(b)
Sol.

$P^{(+)}$═══$Q^{(-)}$
|
$R^{(-)}$═══$S^{(+)}$
|
$L(+)$ ═══ $T^{(-)}$───$U^{(+)}$═══$V^{(-)}$
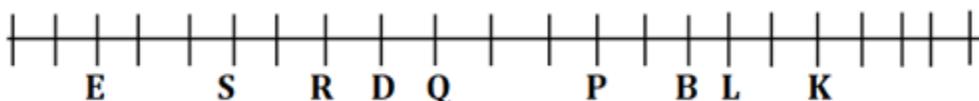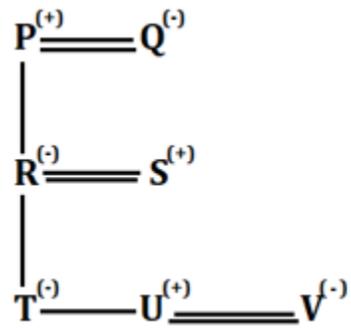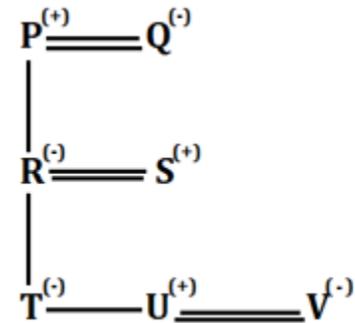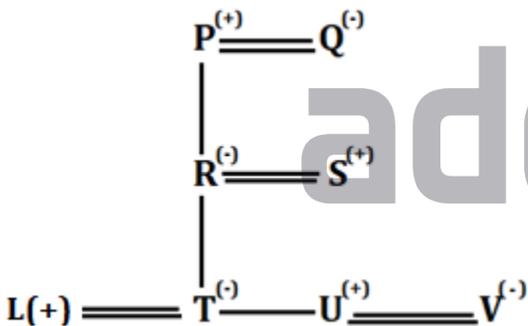
S18. Ans.(b)
Sol.

L E G E N D A R Y

S19. Ans.(e)
Sol. Series pattern R +1 = S, S + 4 = W

S20. Ans.(a)
Sol. From the given information, R has Java and he is from Manali. P is from Darjeeling. The one who is from Agra has Hero. T has KTM bike. The one who is from Leh doesn't have KTM. S is not from leh and Dharamshala.

Persons	Bike	Place
R	Java	Manali
P		Darjeeling
S/	Hero	Agra
T	KTM	Dharamshala/
		Leh
		Dharamshala/

The one who has Suzuki is not from Jaipur and Leh. P doesn't have BMW and Suzuki. U doesn't from Leh. Q is one of the person. The final arrangement is-

Person	Bike	Place
P	Honda	Darjeeling
Q	BMW	Leh
R	Java	Manali
S	Hero	Agra
T	KTM	Jaipur
U	Suzuki	Dharamshala

S21. Ans.(b)
Sol. From the given information, R has Java and he is from Manali. P is from Darjeeling. The one who is from Agra has Hero. T has KTM bike. The one who is from Leh doesn't have KTM. S is not from leh and Dharamshala.

Persons	Bike	Place
R	Java	Manali
P		Darjeeling
S/	Hero	Agra
T	KTM	Dharamshala/
		Leh
		Dharamshala/

The one who has Suzuki is not from Jaipur and Leh. P doesn't have BMW and Suzuki. U doesn't from Leh. Q is one of the person. The final arrangement is-

Person	Bike	Place
P	Honda	Darjeeling
Q	BMW	Leh
R	Java	Manali
S	Hero	Agra
T	KTM	Jaipur
U	Suzuki	Dharamshala

S22. Ans.(c)
Sol. From the given information, R has Java and he is from Manali. P is from Darjeeling. The one who is from Agra has Hero. T has KTM bike. The one who is from Leh doesn't have KTM. S is not from leh and Dharamshala.

Persons	Bike	Place
R	Java	Manali
P		Darjeeling
S/	Hero	Agra
T	KTM	Dharamshala/
		Leh
		Dharamshala/

The one who has Suzuki is not from Jaipur and Leh. P doesn't have BMW and Suzuki. U doesn't from Leh. Q is one of the person. The final arrangement is-

Person	Bike	Place
P	Honda	Darjeeling
Q	BMW	Leh
R	Java	Manali
S	Hero	Agra
T	KTM	Jaipur
U	Suzuki	Dharamshala

S23. Ans.(d)
Sol. From the given information, R has Java and he is from Manali. P is from Darjeeling. The one who is from Agra has Hero. T has KTM bike. The one who is from Leh doesn't have KTM. S is not from leh and Dharamshala.

Persons	Bike	Place
R	Java	Manali
P		Darjeeling
S/	Hero	Agra
T	KTM	Dharamshala/
		Leh
		Dharamshala/

The one who has Suzuki is not from Jaipur and Leh. P doesn't have BMW and Suzuki. U doesn't from Leh. Q is one of the person. The final arrangement is-

Person	Bike	Place
P	Honda	Darjeeling
Q	BMW	Leh
R	Java	Manali
S	Hero	Agra
T	KTM	Jaipur
U	Suzuki	Dharamshala

S24. Ans.(b)
Sol. I. U < R (False)
II. T > P (True)

S25. Ans.(b)
Sol. I. Z > U (False)
II. W < T (True)

S26. Ans.(a)
Sol. I. P > K (True)
II. N > O (False)

S27. Ans.(d)
Sol. I. B ≤ E (False)
II. C > E (False)

S28. Ans.(a)
Sol. From the given information, Q attends meeting in September. There are two possibilities. Three person attend meeting between Q and T. Equal number of persons attend meeting after T and before R.

Date / Month	Case-1 17th	Case-1 24th	Case-2 17th	Case-2 24th
July	T			T
August				
September	Q			Q
October		R	R	

More than one person attend meeting between R and S who does not attend meeting on odd number date. One person attends meeting between P and W. P does not attend meeting in the month as Q. Equal number of person attend meeting after V and before U who attends meeting on odd number date. From this condition case-1 will be eliminated. The final arrangement is-

Date / Month	17th	24th
July	U	T
August	P	S
September	W	Q
October	R	V

S29. Ans.(b)
Sol. From the given information, Q attends meeting in September. There are two possibilities. Three person attend meeting between Q and T. Equal number of persons attend meeting after T and before R.

Date / Month	Case-1 17th	Case-1 24th	Case-2 17th	Case-2 24th
July	T			T
August				
September	Q			Q
October		R	R	

More than one person attend meeting between R and S who does not attend meeting on odd number date. One person attends meeting between P and W. P does not attend meeting in the month as Q. Equal number of person attend meeting after V and before U who attends meeting on odd number date. From this condition case-1 will be eliminated. The final arrangement is-

Date / Month	17th	24th
July	U	T
August	P	S
September	W	Q
October	R	V

S30. Ans.(c)
Sol. From the given information, Q attends meeting in September. There are two possibilities. Three person attend meeting between Q and T. Equal number of persons attend meeting after T and before R.

Date \\ Month	Case-1		Case-2	
	17th	24th	17th	24th
July	T			T
August				
September	Q			Q
October		R	R	

More than one person attend meeting between R and S who does not attend meeting on odd number date. One person attends meeting between P and W. P does not attend meeting in the month as Q. Equal number of person attend meeting after V and before U who attends meeting on odd number date. From this condition case-1 will be eliminated. The final arrangement is-

| Date \\ Month	17th	24th
July	U	T
August	P	S
September	W	Q
October	R	V

S31. Ans.(d)
Sol. From the given information, Q attends meeting in September. There are two possibilities. Three person attend meeting between Q and T. Equal number of persons attend meeting after T and before R.

| Date \\ Month	Case-1		Case-2	
	17th	24th	17th	24th
July	T			T
August				
September	Q			Q
October		R	R	

More than one person attend meeting between R and S who does not attend meeting on odd number date. One person attends meeting between P and W. P does not attend meeting in the month as Q. Equal number of person attend meeting after V and before U who attends meeting on odd number date. From this condition case-1 will be eliminated. The final arrangement is-

Date \\ Month	17th	24th
July	U	T
August	P	S
September	W	Q
October	R	V

S32. Ans.(e)
Sol. From the given information, Q attends meeting in September. There are two possibilities. Three person attend meeting between Q and T. Equal number of persons attend meeting after T and before R.

Month \ Date	Case-1 17th	Case-1 24th	Case-2 17th	Case-2 24th
July	T			T
August				
September	Q			Q
October		R	R	

More than one person attend meeting between R and S who does not attend meeting on odd number date. One person attends meeting between P and W. P does not attend meeting in the month as Q. Equal number of person attend meeting after V and before U who attends meeting on odd number date. From this condition case-1 will be eliminated. The final arrangement is-

Month \ Date	17th	24th
July	U	T
August	P	S
September	W	Q
October	R	V

S33. Ans.(e)
Sol.

S34. Ans.(a)
Sol.
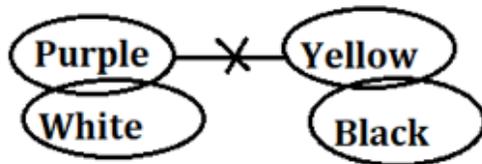
S35. Ans.(d)
**Sol.**
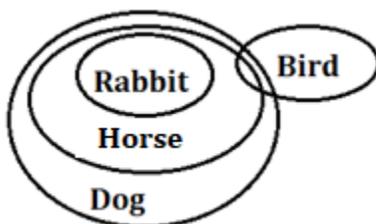
S36. Ans.(a)
Sol.
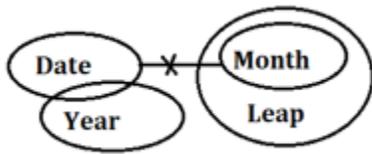
S37. Ans.(b)
Sol.
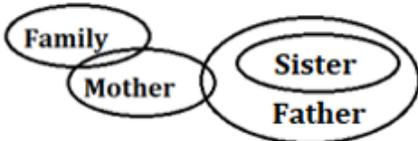
S38. Ans.(c)
Sol. T sits immediate left of the one who sits second to the right of M. Only one person sits between M and O. There are two possibilities-
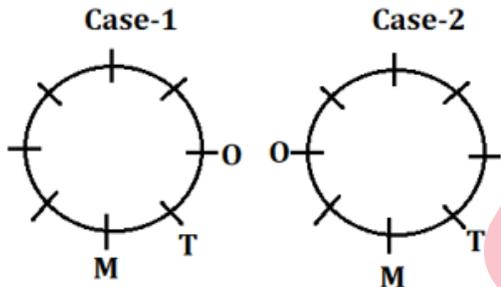

S is immediate neighbour of N who is not an immediate neighbor of O. There are three persons sit between Q and N. Only two people sit between Q and P. From this condition case-1 will be eliminated. R is not an immediate neighbour of P. The final arrangement is-
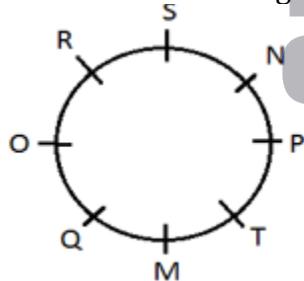

S39. Ans.(d)
Sol. T sits immediate left of the one who sits second to the right of M. Only one person sits between M and O. There are two possibilities-
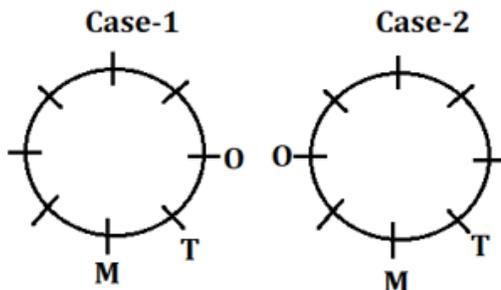
S is immediate neighbour of N who is not an immediate neighbor of O. There are three persons sit between Q and N. Only two people sit between Q and P. From this condition case-1 will be eliminated. R is not an immediate neighbour of P. The final arrangement is-
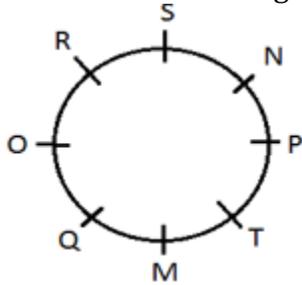
S40. Ans.(b)
Sol. T sits immediate left of the one who sits second to the right of M. Only one person sits between M and O. There are two possibilities-
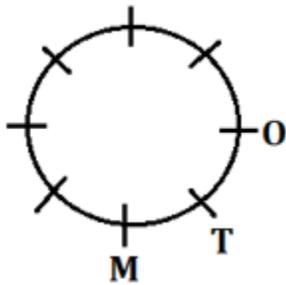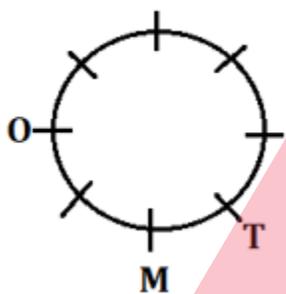
S is immediate neighbour of N who is not an immediate neighbor of O. There are three persons sit between Q and N. Only two people sit between Q and P. From this condition case-1 will be eliminated. R is not an immediate neighbour of P. The final arrangement is-
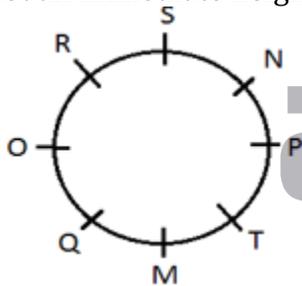
S41. Ans.(a)
Sol.
Students who like Rohit only = 100- (40+10+30)=20
Students who like Dhoni and Virat only = 130-(40+40+30)=20
Students who like Virat only= 210-(40+40+30+10+20+20) =50
Students who like Virat = 50+20+30+10= 110
Number of students who like Virat only =50

S42. Ans.(a)
Sol.
Students who like Rohit only = 100- (40+10+30)=20
Students who like Dhoni and Virat only = 130-(40+40+30)=20
Students who like Virat only= 210-(40+40+30+10+20+20) =50
Students who like Virat = 50+20+30+10= 110

A.T.Q

Students like Virat and Dhoni only = 20

Students like Dhoni only =40

∴ $required\ percentage = \frac{20}{40} \times 100 = 50\%$

S43. Ans.(d)
Sol.

Students who like Rohit only = 100- (40+10+30)=20

Students who like Dhoni and Virat only = 130-(40+40+30)=20

Students who like Virat only= 210-(40+40+30+10+20+20) =50

Students who like Virat = 50+20+30+10= 110

Number of students like Rohit only = 20

students like all three players = 30

Required difference = 30- 20= 10

S44. Ans.(c)
Sol.

Students who like Rohit only = 100- (40+10+30)=20

Students who like Dhoni and Virat only = 130-(40+40+30)=20

Students who like Virat only= 210-(40+40+30+10+20+20) =50

Students who like Virat = 50+20+30+10= 110

Students like Virat = 110

Students like Rohit = 100

∴ $required\ percentage = \frac{110}{100} \times 100 = 110\ \%$

S45. Ans.(b)
Sol.

Students who like Rohit only = 100- (40+10+30)=20

Students who like Dhoni and Virat only = 130-(40+40+30)=20

Students who like Virat only= 210-(40+40+30+10+20+20) =50

Students who like Virat = 50+20+30+10= 110

Students like only Virat and only Dhoni together = 50+40= 90

Students like only Rohit = 20

∴ $required\ ratio = 9:2$

S46. Ans.(b)
Sol.

$\frac{128}{2} + \frac{4}{2} \times 4 = ? + 10$

$64 + 8 = ? + 10$

$? = 62$

S47. Ans.(c)
Sol.

$\frac{11}{11} + 9 + ? = 27$

$1 + 9 + ? = 27$

$? = 17$

S48. Ans.(b)
Sol.
$(3)^2 \times (3)^6 \times ((3)^2)^2 \div (3^3)^2 = (3)^?$
$\Rightarrow \dfrac{3^{2+6+4}}{3^6} = (3)^?$
$\Rightarrow \dfrac{3^{12}}{3^6} = (3)^?$
$3^6 = (3)^?$
$6 = ?$

S49. Ans.(b)
Sol.
$123 + 447 - 170 + 500 = ? - 200$
$570 - 170 + 500 + 200 = ?$
$? = 1100$

S50. Ans.(b)
Sol.
$196 + 179 + 25 = (?)^2$
$(?)^2 = 400$
$? = 20$

S51. Ans.(c)
Sol.
From Statement I & II
Let speed of car be v kmph
$4v = 3 (v+5)$
$V = 15$ kmph
Clearly, both statements together are necessary to answer

S52. Ans.(d)
Sol.
From Statement I & II,
We don't know any relation between cost price & marked price or marked price & selling price.
Clearly, neither statement is sufficient to answer. More data is required.

S53. Ans.(c)
Sol.
From Statement I & II
Speed of train = $\dfrac{100}{75} \times 60 = 80$ kmph
Time to reach B = $\dfrac{400}{80} = 5$ hours
Train will reach station B at 8:00 + 5:00 = 1:00 PM
Clearly, both statements are required to answer the question.

S54. Ans.(b)

Sol.

From statement I

Let speed of boat in still water & stream is 5x & x kmph respectively.

$\frac{20}{5x-x} = 2.5$

$x = 2$

required time $= \frac{40}{5x+x} = \frac{40}{12} = 3.33\ hour$

Clearly, only statement I is sufficient to answer.

S55. Ans.(e)

Sol.

From Statement II

Let total bags in the bag be x.

$\frac{^5C_2}{^xC_2} = \frac{2}{9}$

$\frac{5 \times 4}{x(x-1)} = \frac{2}{9}$

$x = 10$

Clearly, only statement II alone is sufficient to answer.

S56. Ans.(a)

Sol.

Pattern of series –

$1 + 1^2 = 2$

$2 + 2^2 = 6$

$6 + 3^2 = 15$

$\therefore 15 + 4^2 = 31$

S57. Ans.(b)

Sol.

Pattern of series –

$12 + 2 = 14$

$14 + 3 = 17$

$17 + 5 = 22$

$22 + 7 = 29$

$\therefore 29 + 11 = 40$ (addition of prime numbers)

S58. Ans.(c)

Sol.

Pattern of series –

$1 + 1^3 = 2$

$2 + 2^3 = 10$

$10 + 3^3 = 37$

$37 + 4^3 = 101$

$\therefore 101 + 5^3 = 226$
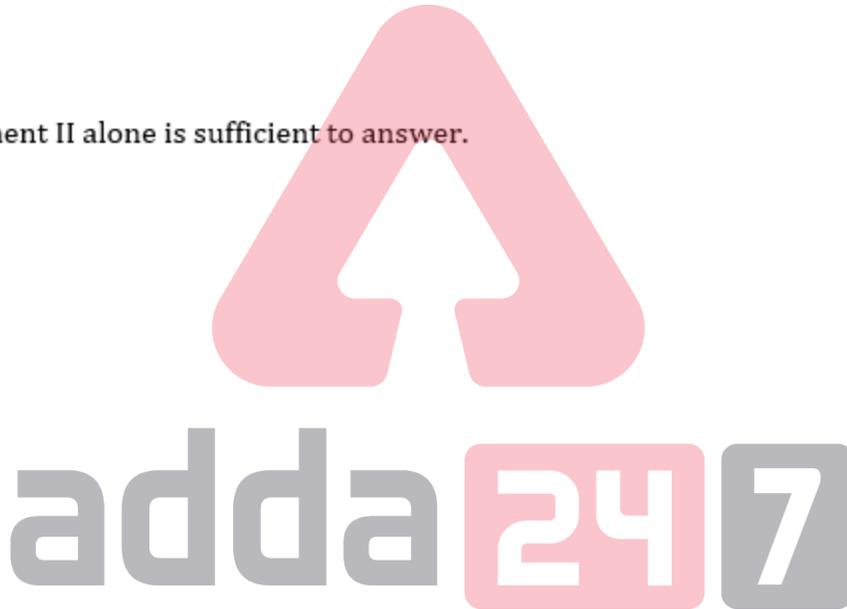
S59. Ans.(b)
Sol.
Pattern of series –
$10^2 + 1 = 101$
$11^2 + 2 = 123$
$12^2 + 3 = 147$
$13^2 + 4 = 173$
$\therefore 14^2 + 5 = 201$

S60. Ans.(a)
Sol.
Pattern of series –
$24 + 6 = 30$
$30 - 7 = 23$
$23 + 8 = 31$
$31 - 9 = 22$
$\therefore 22 + 10 = 32$

S61. Ans.(c)
Sol.
Let the speed of A = 5x
So, speed of B is = $5x \times \frac{120}{100} = 6x$
Required time = $\frac{6x \times 5}{5x} = 6\ hours.$
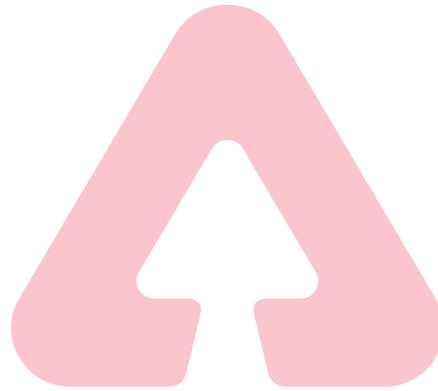
S62. Ans.(b)
Sol.
S.I. $= \frac{P \times R \times T}{100}$
$= \frac{20000 \times 12.5 \times 2}{100}$
$= 5000$ Rs.

S63. Ans.(c)
Sol.
1 day work of P $= \frac{1}{5} - \frac{1}{10} = \frac{1}{10} Units.$
Required time = 10 days.

S64. Ans.(b)
Sol.
Let initial quantity of milk and water be 4x lit & 5x lit respectively.
A.T.Q,
$\frac{4x}{5x+25} = \frac{2}{5}$
$20x = 10x + 50$
$X = 5$
Initial quantity of mixture = 9x = 45 lit.

S65. Ans.(d)
Sol.
Sum of ages of all the 20 students = 20 × 25 = 500 years
Sum of ages of first 18 students = 18 × 24 = 432 years
Sum of ages of last 2 students = 500 −432 = 68 years
∴ Required average age= $\frac{68}{2}$ = 34 years

S66. Ans.(c)
Sol.
$$\begin{array}{cc} A & B \\ 25000 \quad : & 75000 \end{array}$$
∴ Ratio of investment = 1 : 3
Ratio of time = 7 : 4
So, ratio of profit = (1 × 7) : (3 × 4) = 7 : 12
Total profit = $\frac{19}{5}$ × 500 = $Rs.$ 1900

S67. Ans.(b)
Sol.
A.T.Q,
$2 \times \frac{22}{7} \times r = 88$
∴ r = 14 cm
So, side of square = 28 cm
Required ratio = $\frac{22}{7}$ × 14 × 14 : 28 × 28
= 11 : 14

S68. Ans.(d)
Sol.
Required probability = $\frac{7C_2}{10C_2} \Rightarrow \frac{7}{15}$

S69. Ans.(a)
Sol.
$$\begin{array}{ccc} \text{Pipe P} & : & \text{Pipe Q} \\ \text{Let efficiency} \quad 3x & : & 2x \end{array}$$
Total capacity of tank =(3x+2x)× 24 =120x units
So, pioe Q alone can fill the same tank in = $\frac{120x}{2x}$ =60 hours

S70. Ans.(b)
Sol.
Let the marked price of the article be a
Then, selling price of article =a × $\frac{60}{100}$ =0.6a
Loss= 10%
Cost price of article =0.6a× $\frac{100}{90}$=$\frac{2a}{3}$
Selling price of article for 10% profit =110% of $\frac{2a}{3}$ = $\frac{11a}{15}$
So, required fraction = $\frac{11}{15}$

S71. Ans.(d)

Sol.

$42 \times \frac{22}{7} + 20\%$ of $530 - 26 = ?$

$? = 132 + 106 - 26 = 212$

S72. Ans.(c)

Sol.

$(23 \times 23) + 21 \times 7 = ?^2$

$?^2 = 529 + 147 = 676$

$? = 26$

S73. Ans.(a)

Sol.

$\sqrt{1444} \div 19 + 3.5 \times \sqrt{16} = ?$

$? = \frac{38}{19} + 3.5 \times 4$

$? = 2 + 14 = 16$

S74. Ans.(e)

Sol.

$\frac{780}{48} \times 16 = ?$

$? = \frac{780}{3} = 260$

S75. Ans.(b)

Sol.

$1486 + 212 - 1704 = ? - (11)^2$

$? = 1698 - 1704 + 121$

$= 115$

S76. Ans.(c)

Sol.

Males registered in A & C together = 40 + 80 = 120

females registered in B & D = 60 + 60 = 120

Required % = $\frac{120-120}{120} \times 100 = 0\%$

S77. Ans.(a)

Sol.

Required average = $\frac{40+50+80+70+60}{5} = 60$

S78. Ans.(b)
Sol.
Number of users registered
A = 40 + 30 = 70
B = 50 + 60 = 110
C = 80 + 80 = 160
D = 70 + 60 = 130
E = 60 + 40 = 100
So, maximum no of users is registered in slot C.

S79. Ans.(d)
Sol.
Required average = $\frac{(40+30)+(60+50)+(80+80)+(70+60)+(60+40)}{5}$ = 114

S80. Ans.(e)
Sol.
female user's percentage
A = $\frac{30}{(40+30)}$ × 100 = 42.85%
B = $\frac{60}{(50+60)}$ × 100 = 54.54%
C = $\frac{80}{(80+80)}$ × 100 = 50%
D = $\frac{60}{(70+60)}$ × 100 = 46.15%
E = $\frac{40}{(60+40)}$ × 100 = 40%
So, there is only one center in which registered female is more than 50 %