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S1. Ans.(a)
Sol. In the above question we have to find assumptions made for the given statement.
For Statement I- True, Because It discusses about impacts of Donald Trump's Tax plans on America's economy after it's implementation.
For Statement II-True, Because it is clear from the above statement that with new Tax plans Mr. Trump hopes to bring the cash back to it's economy by this new tax plan.
For Statement III-True, because the capital generated from Tax plans will increase the investments.

S2. Ans.(c)
Sol. In the above question we have to find the cause and effect among the given statements.
It is clear from the above statements that Statement III is the cause and Statement I is it's effect as the quota system influence the lending system and because of that Mr. Jaitley has demanded reforms to it.
Whereas Statement II has it's own independent cause as it discusses about the loan India is taking from NDB.

S3. Ans.(c)
Sol.

Batsman	Bowler	All-rounder
Dhoni	Virat	Sehwag
Irfan	Kumble	Sachin
Rohit	Dhawan	
Ashwin		

S4. Ans.(d)
Sol.

Batsman	Bowler	All-rounder
Dhoni	Virat	Sehwag
Irfan	Kumble	Sachin
Rohit	Dhawan	
Ashwin		

S5. Ans.(c)
Sol.

Batsman	Bowler	All-rounder
Dhoni	Virat	Sehwag
Irfan	Kumble	Sachin
Rohit	Dhawan	
Ashwin		

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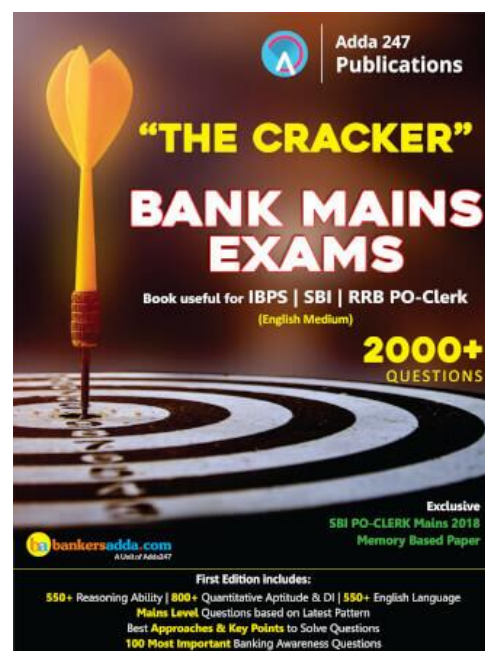
S6. Ans.(a)
Sol.

Batsman	Bowler	All-rounder
Dhoni	Virat	Sehwag
Irfan	Kumble	Sachin
Rohit	Dhawan	
Ashwin		

S7. Ans.(b)
Sol.

Batsman	Bowler	All-rounder
Dhoni	Virat	Sehwag
Irfan	Kumble	Sachin
Rohit	Dhawan	
Ashwin		

S8. Ans.(d)
Sol. These are the latest pattern of coding-decoding questions. In these questions we are applying following concept: -

S9. Ans.(d)
Sol. These are the latest pattern of coding-decoding questions. In these questions we are applying following concept: -

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S10. Ans.(d)

Sol. These are the latest pattern of coding-decoding questions. In these questions we are applying following concept: -

reverse of last letter according to alphabetical series

(numerical value of reverse of first letter)- 1

T H E ------> V   T   6

First letter as it is
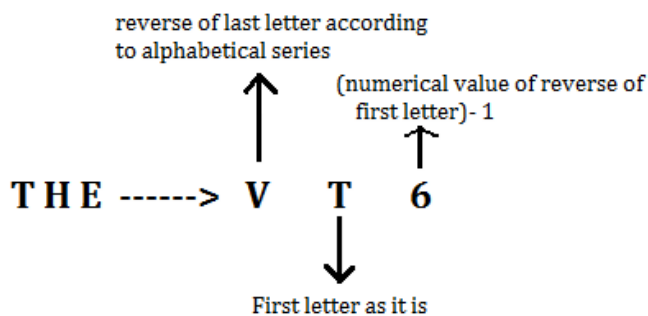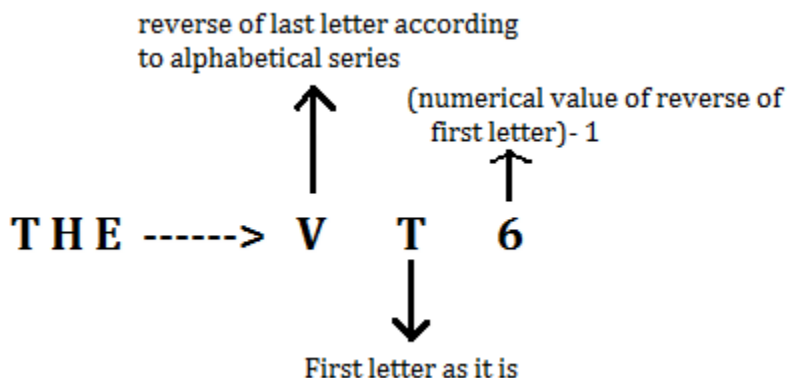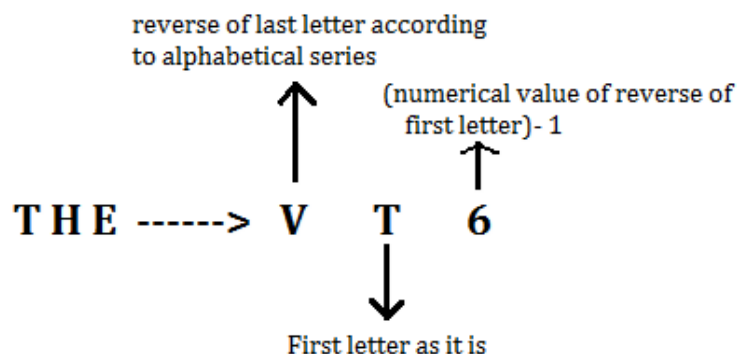
S11. Ans.(a)

Sol. These are the latest pattern of coding-decoding questions. In these questions we are applying following concept: -

reverse of last letter according to alphabetical series

(numerical value of reverse of first letter)- 1

T H E ------> V   T   6

First letter as it is
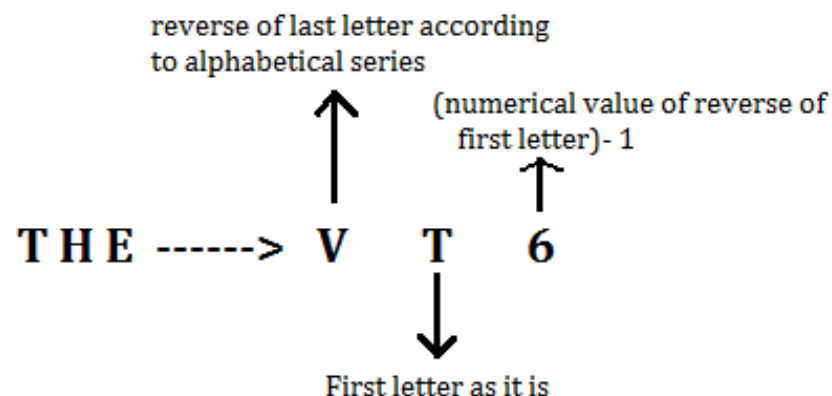
S12. Ans.(b)

Sol. These are the latest pattern of coding-decoding questions. In these questions we are applying following concept: -

reverse of last letter according to alphabetical series

(numerical value of reverse of first letter)- 1

T H E ------> V   T   6

First letter as it is

4

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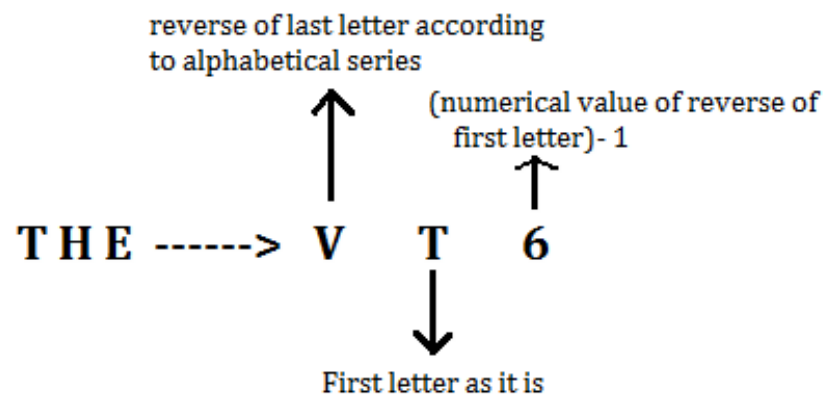
S13. Ans.(b)
Sol. In the above question we have to find out the adverse results of a situation or action.

For Statement I-True, because In the above statement it is mentioned that India has to deal with China-Pakistan partnership in SCO so this will be an adverse situation India has to face.

For Statement II-False, because this statement describes the positive results of this membership on India.

For Statement III-False, because this statement explains the beneficial impacts of membership on India.

For Statement IV- False, because it termed the favorable influences of the membership.

S14. Ans.(d)
Sol. Only six persons sit between D and P, who likes Kesari. Only five persons sit between P and F. One who likes Kedarnath sits 3rd to the right of F. More than four persons sit between D and the one who likes Kedarnath. Only two persons sit between M and the one who likes Robot. The one who likes Kesari sits immediate left of M. Only nine persons sit to the left of one who likes Robot.
There will be two possibilities---

S likes Zero and sits 3rd from the left end. Only six persons sit between S and J. Only two persons sit between J and the one who likes Simmba. Only four persons sit between the one who likes Simmba and the one who likes Super30. Only four persons sit to the right of the one who likes Super30. B sits 2nd from the right end.
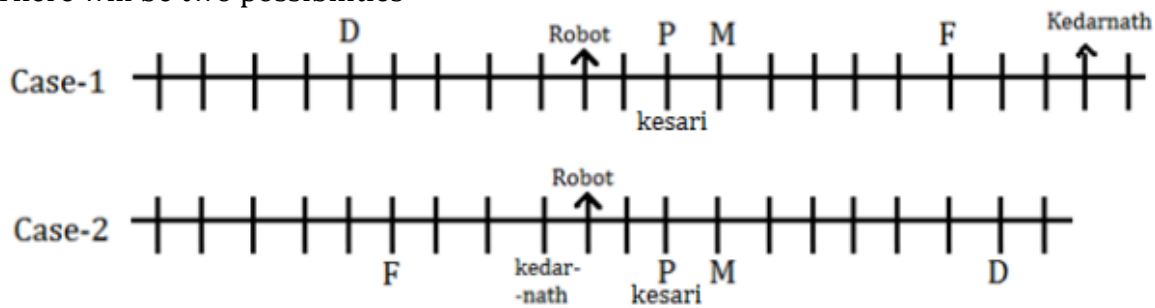

The one who likes Thugs is sitting at 5th position from one of the ends but is not a neighbor of F. By this condition case 2 will be cancelled. Final arrangement will be----
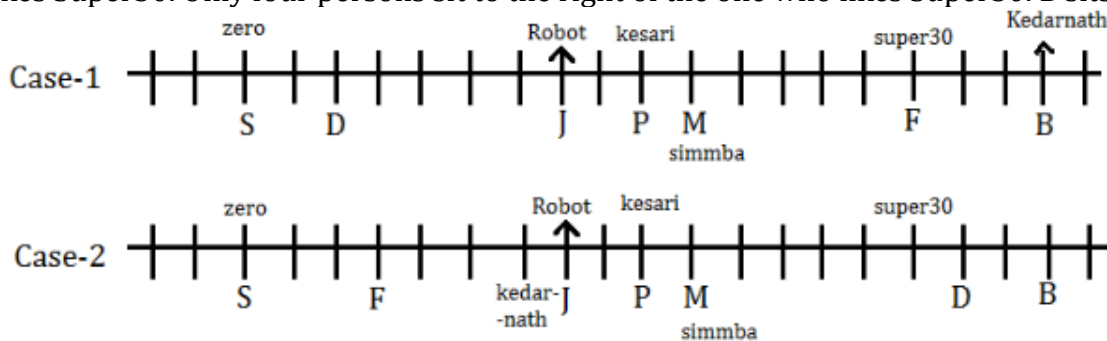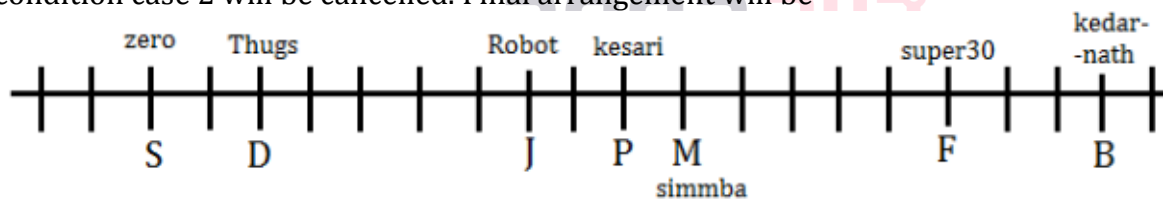
S15. Ans.(d)
Sol. Only six persons sit between D and P, who likes Kesari. Only five persons sit between P and F. One who likes Kedarnath sits 3rd to the right of F. More than four persons sit between D and the one who likes Kedarnath. Only two persons sit between M and the one who likes Robot. The one who likes Kesari sits immediate left of M. Only nine persons sit to the left of one who likes Robot.
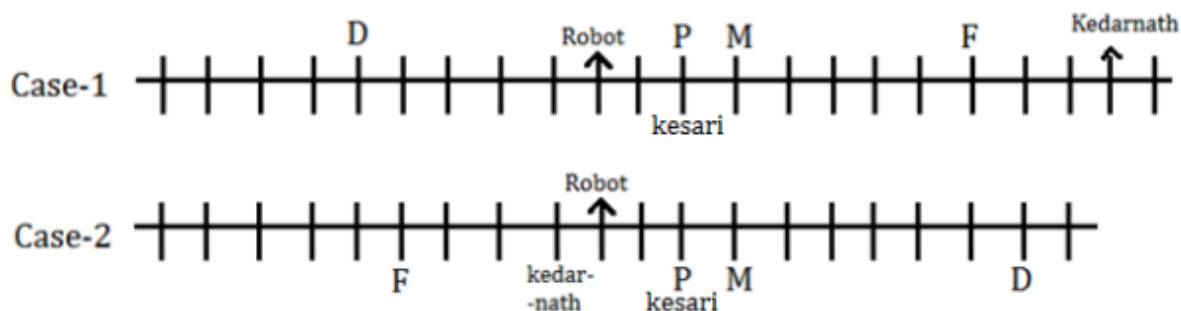There will be two possibilities---

S likes Zero and sits 3rd from the left end. Only six persons sit between S and J. Only two persons sit between J and the one who likes Simmba. Only four persons sit between the one who likes Simmba and the one who likes Super30. Only four persons sit to the right of the one who likes Super30. B sits 2nd from the right end.
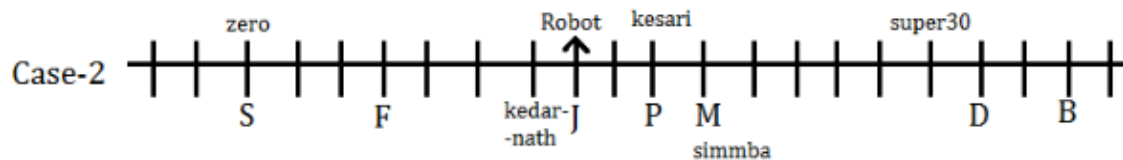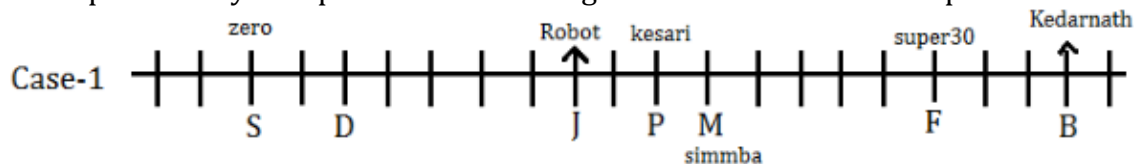

The one who likes Thugs is sitting at 5th position from one of the ends but is not a neighbor of F. By this condition case 2 will be cancelled. Final arrangement will be----
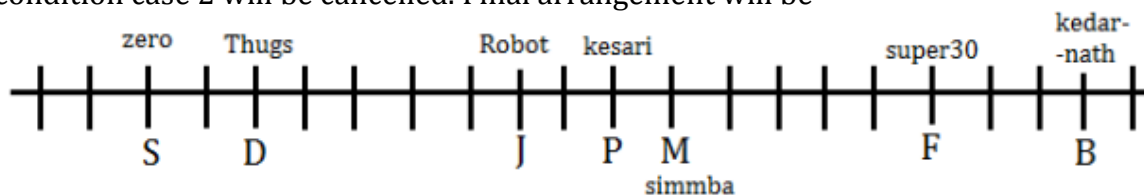

S16. Ans.(c)
Sol. Only six persons sit between D and P, who likes Kesari. Only five persons sit between P and F. One who likes Kedarnath sits 3rd to the right of F. More than four persons sit between D and the one who likes Kedarnath. Only two persons sit between M and the one who likes Robot. The one who likes Kesari sits immediate left of M. Only nine persons sit to the left of one who likes Robot.
There will be two possibilities---

S likes Zero and sits 3rd from the left end. Only six persons sit between S and J. Only two persons sit between J and the one who likes Simmba. Only four persons sit between the one who likes Simmba and the one who likes Super30. Only four persons sit to the right of the one who likes Super30. B sits 2nd from the right end.

Case-1

| | zero | | | | | | Robot | kesari | | | | super30 | | Kedarnath | |
| S | | D | | | | J | | P | M | | | | F | | B |

simmba

Case-2

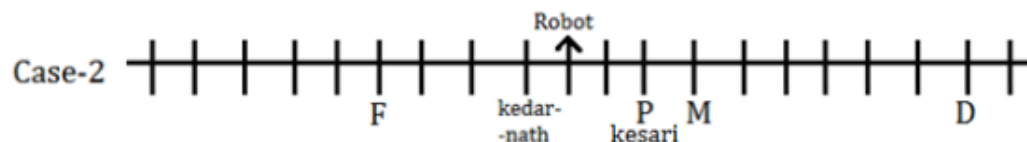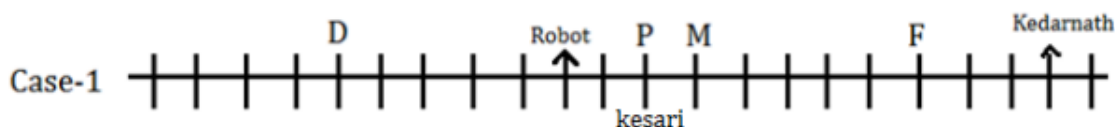| | zero | | | | | | Robot | kesari | | | | super30 | | | |
| S | | F | | | | kedar-nath J | | P | M | | | | D | B |

simmba

The one who likes Thugs is sitting at 5th position from one of the ends but is not a neighbor of F. By this condition case 2 will be cancelled. Final arrangement will be----
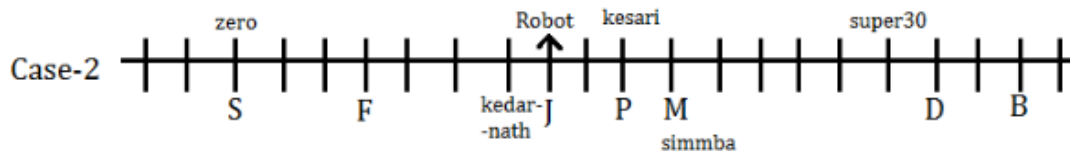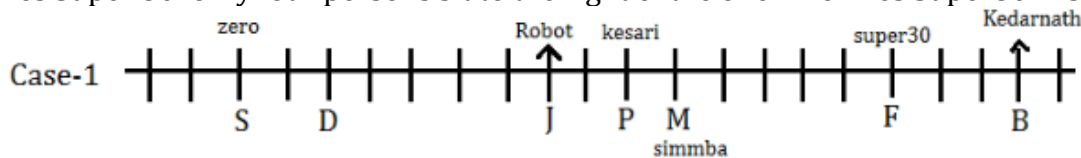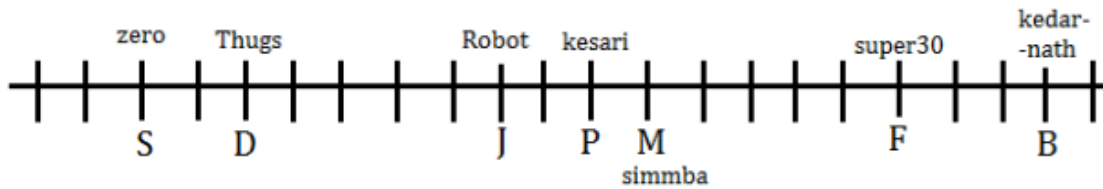
| | zero | Thugs | | | | Robot | kesari | | | | super30 | | kedar-nath | |
| S | | D | | | | J | | P | M | | | F | | B |

simmba

S17. Ans.(a)

Sol. Only six persons sit between D and P, who likes Kesari. Only five persons sit between P and F. One who likes Kedarnath sits 3rd to the right of F. More than four persons sit between D and the one who likes Kedarnath. Only two persons sit between M and the one who likes Robot. The one who likes Kesari sits immediate left of M. Only nine persons sit to the left of one who likes Robot.

There will be two possibilities---

Case-1

| | | D | | | Robot | P | M | | | F | | Kedarnath | |
| | | | | | kesari | | | | | | | | |

Case-2

				Robot							
	F		kedar-nath		P M					D	
				kesari						

S likes Zero and sits 3rd from the left end. Only six persons sit between S and J. Only two persons sit between J and the one who likes Simmba. Only four persons sit between the one who likes Simmba and the one who likes Super 30. Only four persons sit to the right of the one who likes Super30. B sits 2nd from the right end.

Case-1

| | zero | | | | | Robot | kesari | | | super30 | | Kedarnath | |
| S | | D | | | | J | P | M | | | | F | B |

simmba

Case-2

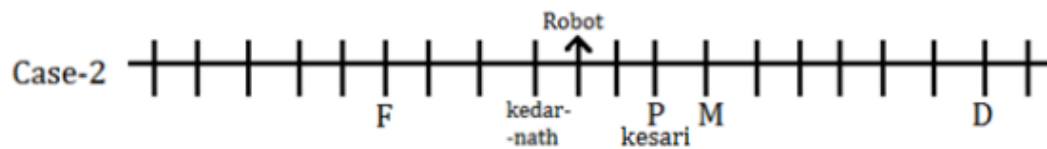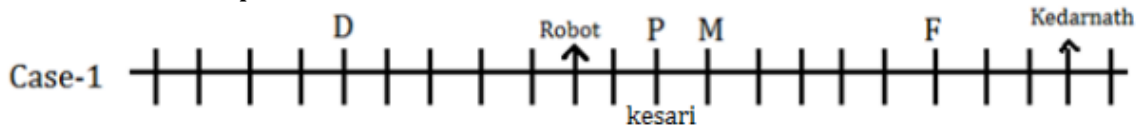| | zero | | | | Robot | kesari | | | super30 | | | |
| S | | F | | | kedar-nath J | | P | M | | | D | B |

simmba

The one who likes Thugs is sitting at 5th position from one of the ends but is not a neighbor of F. By this condition case 2 will be cancelled. Final arrangement will be----

zero   Thugs   Robot   kesari   super30   kedar--nath

S   D   J   P   M   F   B
                        simmba

S18. Ans.(b)

Sol. Only six persons sit between D and P, who likes Kesari. Only five persons sit between P and F. One who likes Kedarnath sits 3rd to the right of F. More than four persons sit between D and the one who likes Kedarnath. Only two persons sit between M and the one who likes Robot. The one who likes Kesari sits immediate left of M. Only nine persons sit to the left of one who likes Robot.

There will be two possibilities---

Case-1   D   Robot   P M   F   Kedarnath
                                kesari

Case-2   Robot
           F   kedar-   P M   D
               -nath kesari

S likes Zero and sits 3rd from the left end. Only six persons sit between S and J. Only two persons sit between J and the one who likes Simmba. Only four persons sit between the one who likes Simmba and the one who likes Super30. Only four persons sit to the right of the one who likes Super30. B sits 2nd from the right end.

Case-1   zero   Robot   kesari   super30   Kedarnath
         S   D   J   P   M   F   B
                              simmba

Case-2   zero   Robot   kesari   super30
         S   F   kedar-J P M   D   B
                   -nath   simmba

The one who likes Thugs is sitting at 5th position from one of the ends but is not a neighbor of F. By this condition case 2 will be cancelled. Final arrangement will be----
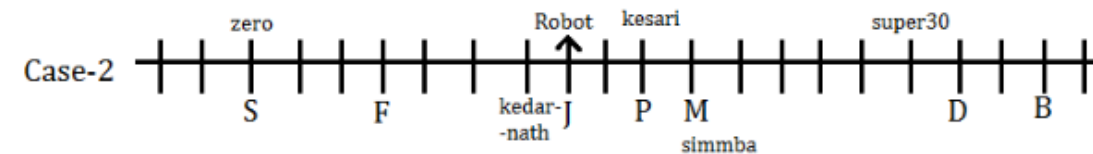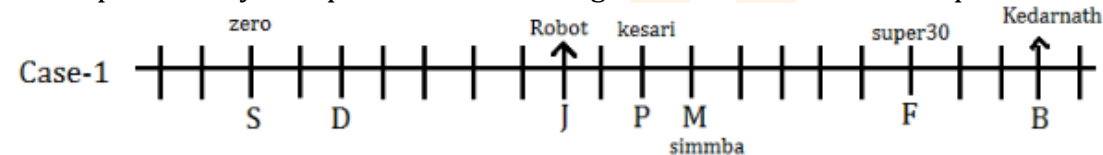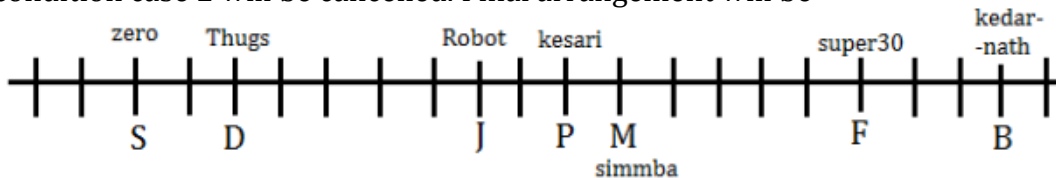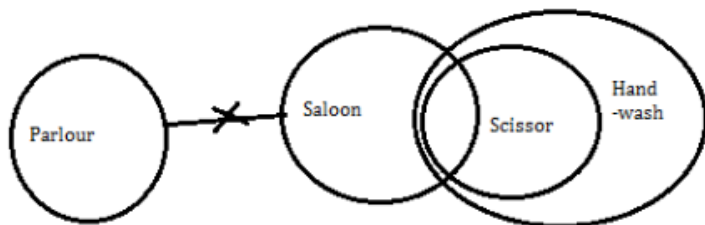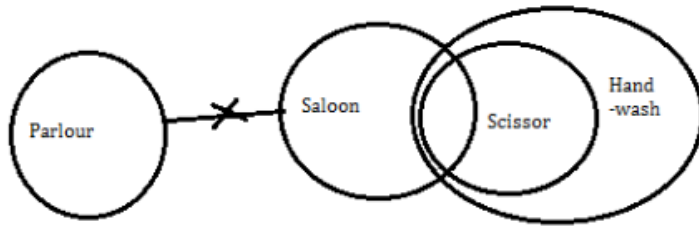
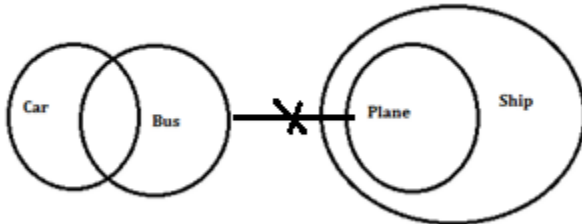zero   Thugs   Robot   kesari   super30   kedar--nath
S   D   J   P   M   F   B
                        simmba

S19. Ans.(a)

Sol.

Parlour ──✗── Saloon   Scissor   Hand-wash
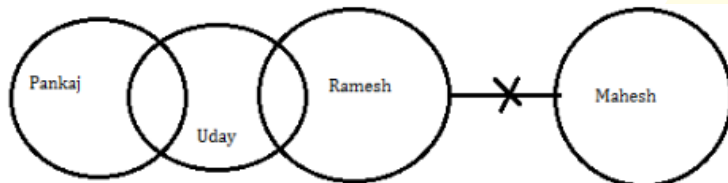
S20. Ans.(c)
Sol.
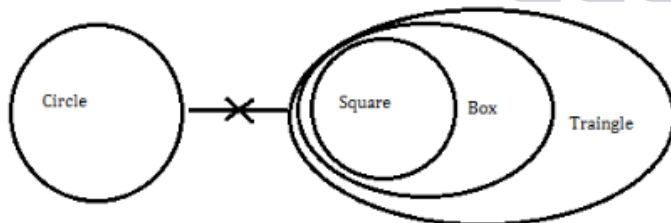

S21. Ans.(a)
Sol.

S22. Ans.(d)
Sol.

S23. Ans.(c)
Sol.

S24. Ans.(c)
Sol. In the above question we have to check that which statement supports the above statement.
For Statement I- True, because this statement discusses the reason behind the slowdown of economy.
For Statement II- False, because this statement is clearly indicating that the economy is still growing.
For Statement III-True, because this statement clarifies that slowdown of economy can be improved by improving some areas.

S25. Ans.(a)
Sol. In the above statement we have to find the cause and effect among them.
Statement I will be the cause and Statement II and III will be it's effects as banks would need to change it's IT system and will provide state wise data because of changes in banking system after GST invokes.

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S26. Ans.(b)

Sol. From the given statement, we have to find connecting data such as –

L is the cousin of I and sits 2nd left of I and one of them sit at the extreme end.

G faces to the Grandmother of I. G is neither an immediate neighbor of L nor sits any extreme ends of the row. Q sits at one of the extreme end and she is the wife of I also she sits immediate left to the Brother of I. There are two seats between the brother and Aunt of I. Grandmother of I sits immediate left to the vacant seat. More than one person sits between S and the one who faces Brother-in-law of I. Only one person sits between the one who is the Sister and the one who is Mother of I. G is not a sister of I. We have 3 possibilities i.e. Case 1, Case 2 and Case 3.

From the given statement, Number of person(s) Sit(s) between S and V is equal to the number of person(s) sit(s) between R and S. Case 1 and Case 2 is ruled out because statement not satisfied in these statements.

V does not sits at any of the extreme ends of the row. Vacant seat of row 2 is opposite to the one who sits 3rd left of H. Now position of P and H will be fixed also, relation of R will be defined as Uncle. Final arrangement will be---

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S27. Ans.(e)
Sol. From the given statement, we have to find connecting data such as –
L is the cousin of I and sits 2nd left of I and one of them sit at the extreme end.
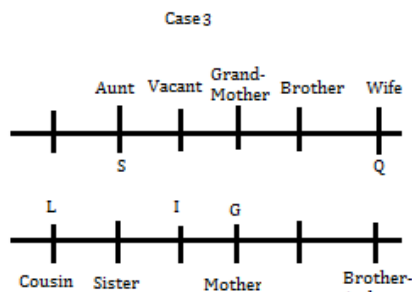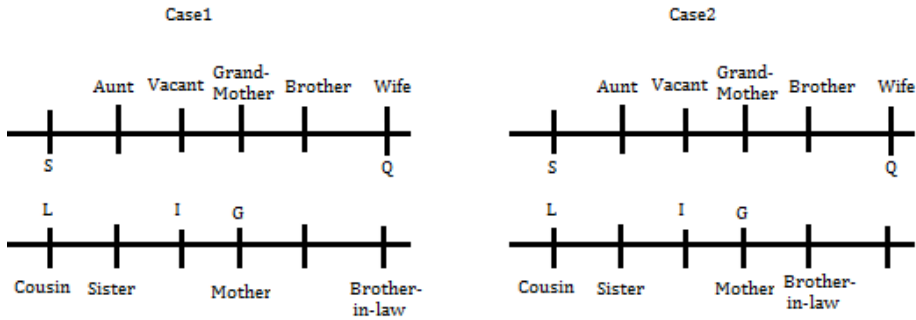G faces to the Grandmother of I. G is neither an immediate neighbor of L nor sits any extreme ends of the row. Q sits at one of the extreme end and she is the wife of I also she sits immediate left to the Brother of I. There are two seats between the brother and Aunt of I. Grandmother of I s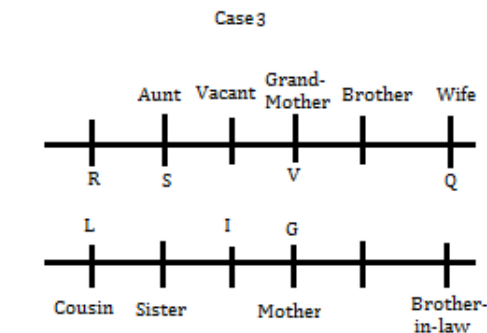its immediate left to the vacant seat. More than one person sits between S and the one who faces Brother-in-law of I. Only one person sits between the one who is the Sister and the one who is Mother of I. G is not a sister of I. We have 3 possibilities i.e. Case 1, Case 2 and Case 3.
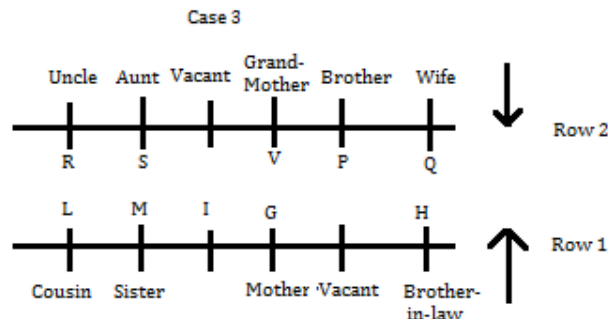

From the given statement, Number of person(s) Sit(s) between S and V is equal to the number of person(s) sit(s) between R and S. Case 1 and Case 2 is ruled out because statement not satisfied in these statements.

V does not sits at any of the extreme ends of the row. Vacant seat of row 2 is opposite to the one who sits 3rd left of H. Now position of P and H will be fixed also, relation of R will be defined as Uncle. Final arrangement will be---
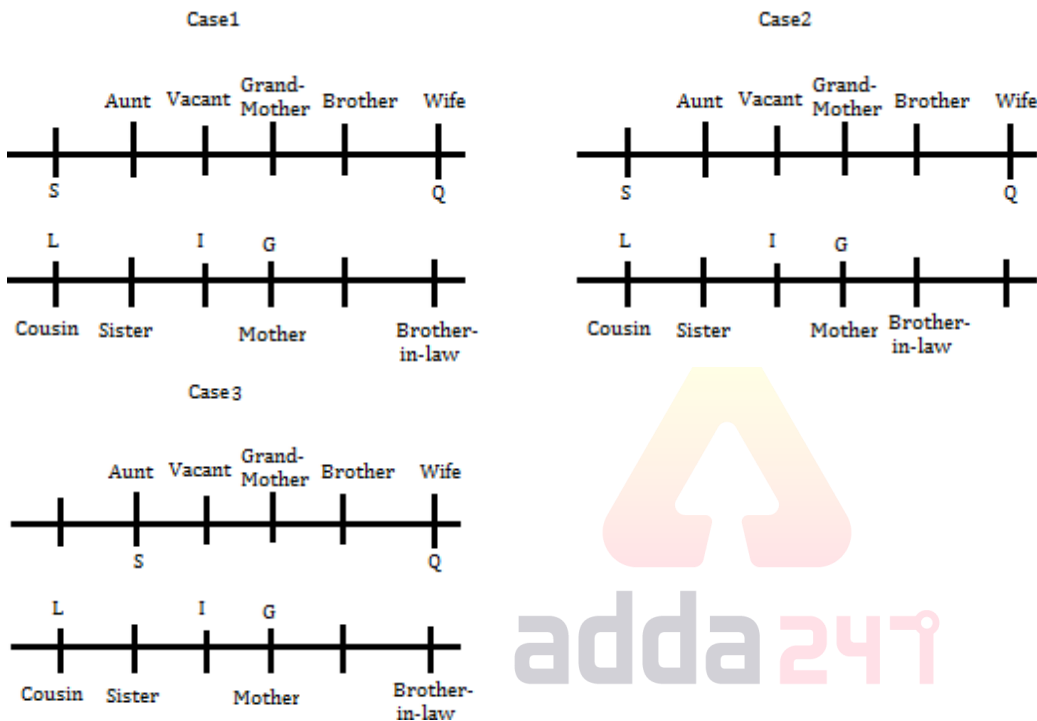
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Case 3

Row 2: Uncle(R), Aunt(S), Vacant, Grand-Mother(V), Brother(P), Wife(Q) ↓

Row 1: L(Cousin), M(Sister), I, G(Mother), Vacant, H(Brother-in-law) ↑
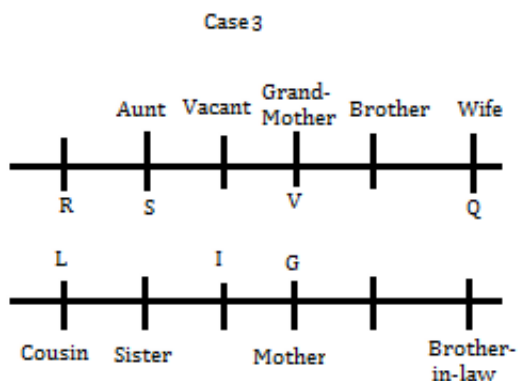
S28. Ans.(d)

Sol. From the given statement, we have to find connecting data such as –

L is the cousin of I and sits 2nd left of I and one of them sit at the extreme end.

G faces to the Grandmother of I. G is neither an immediate neighbor of L nor sits any extreme ends of the row. Q sits at one of the extreme end and she is the wife of I also she sits immediate left to the Brother of I. There are two seats between the brother and Aunt of I. Grandmother of I sits immediate left to the vacant seat. More than one person sits between S and the one who faces Brother-in-law of I. Only one person sits between the one who is the Sister and the one who is Mother of I. G is not a sister of I. We have 3 possibilities i.e. Case 1, Case 2 and Case 3.

Case1

Row: S, Aunt, Vacant, Grand-Mother, Brother, Wife(Q)

Row: L(Cousin), Sister, I, G, Mother, Brother-in-law

Case2

Row: S, Aunt, Vacant, Grand-Mother, Brother, Wife(Q)

Row: L(Cousin), Sister, I, G, Mother, Brother-in-law

Case 3

Row: Aunt, S, Vacant, Grand-Mother, Brother, Wife(Q)

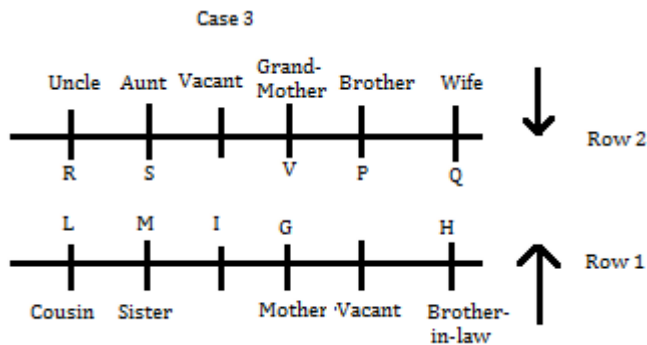Row: L(Cousin), Sister, I, G, Mother, Brother-in-law

From the given statement, Number of person(s) Sit(s) between S and V is equal to the number of person(s) sit(s) between R and S. Case 1 and Case 2 is ruled out because statement not satisfied in these statements.

Case 3

Row: R(Aunt), S(Vacant), V(Grand-Mother), Brother, Wife(Q)

Row: L(Cousin), Sister, I, G(Mother), Brother-in-law

V does not sits at any of the extreme ends of the row. Vacant seat of row 2 is opposite to the one who sits 3rd left of H. Now position of P and H will be fixed also, relation of R will be defined as Uncle. Final arrangement will be---
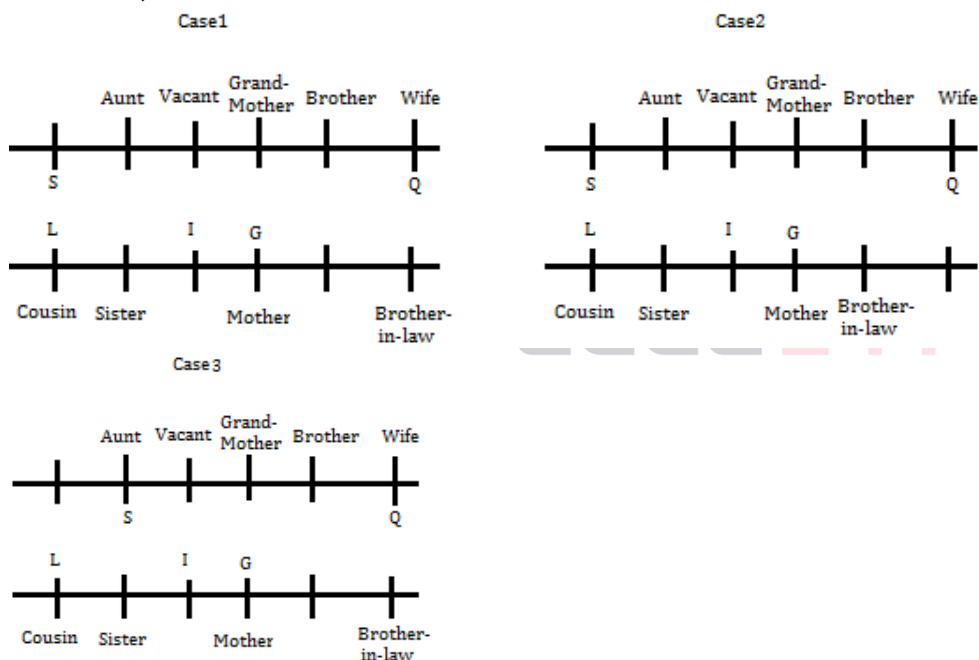

Case 3

| Uncle | Aunt | Vacant | Grand-Mother | Brother | Wife | ↓ Row 2 |
| R | S | | V | P | Q | |

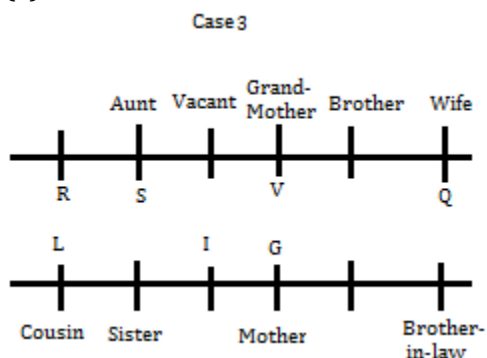| L | M | I | G | | H | ↑ Row 1 |
| Cousin | Sister | | Mother | Vacant | Brother-in-law | |

S29. Ans.(b)

Sol. From the given statement, we have to find connecting data such as –

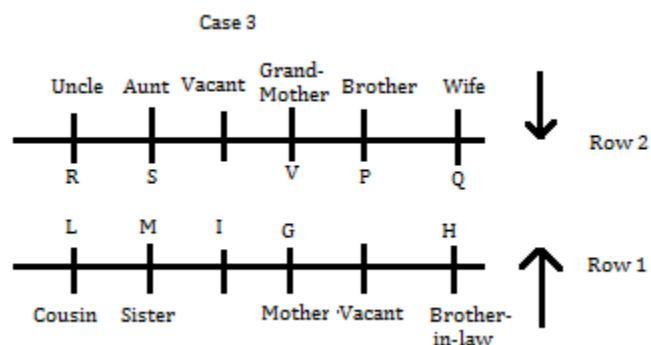L is the cousin of I and sits 2nd left of I and one of them sit at the extreme end.

G faces to the Grandmother of I. G is neither an immediate neighbor of L nor sits any extreme ends of the row. Q sits at one of the extreme end and she is the wife of I also she sits immediate left to the Brother of I. There are two seats between the brother and Aunt of I. Grandmother of I sits immediate left to the vacant seat. More than one person sits between S and the one who faces Brother-in-law of I. Only one person sits between the one who is the Sister and the one who is Mother of I. G is not a sister of I. We have 3 possibilities i.e. Case 1, Case 2 and Case 3.

Case1

| | Aunt | Vacant | Grand-Mother | Brother | Wife |
| S | | | | | Q |

| L | | I | G | | |
| Cousin | Sister | | Mother | | Brother-in-law |

Case2

| | Aunt | Vacant | Grand-Mother | Brother | Wife |
| S | | | | | Q |

| L | | I | G | | |
| Cousin | Sister | | Mother | Brother-in-law | |

Case 3

| | Aunt | Vacant | Grand-Mother | Brother | Wife |
| | S | | | | Q |

| L | | I | G | | |
| Cousin | Sister | | Mother | | Brother-in-law |

From the given statement, Number of person(s) Sit(s) between S and V is equal to the number of person(s) sit(s) between R and S. Case 1 and Case 2 is ruled out because statement not satisfied in these statements.

V does not sits at any of the extreme ends of the row. Vacant seat of row 2 is opposite to the one who sits 3rd left of H. Now position of P and H will be fixed also, relation of R will be defined as Uncle. Final arrangement will be---
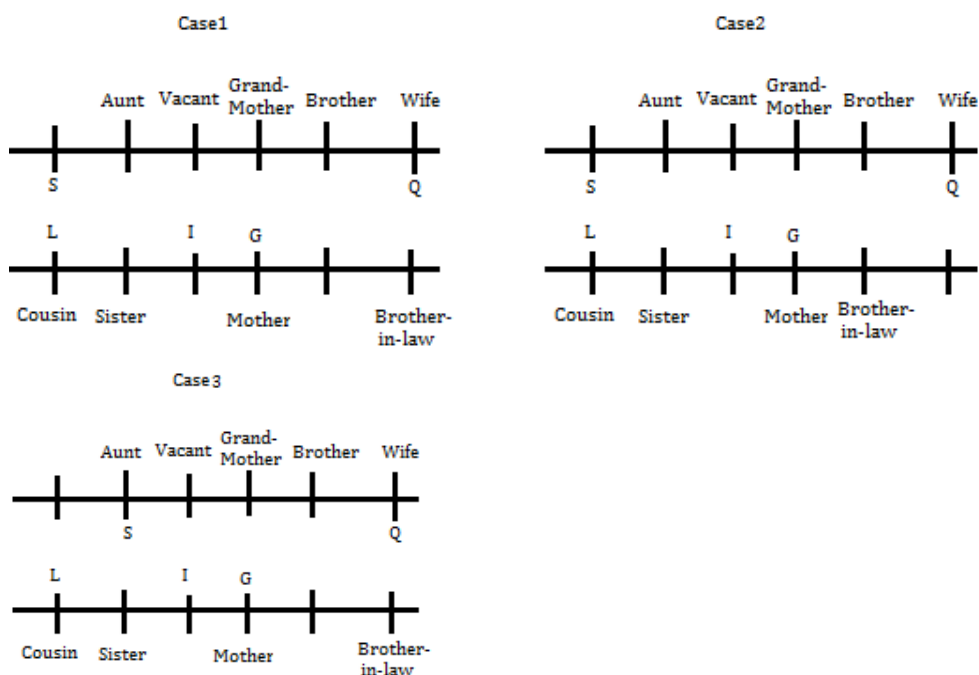
Case 3

Uncle Aunt Vacant Grand-Mother Brother Wife   ↓ Row 2

R   S   V   P   Q

L   M   I   G   H   ↑ Row 1

Cousin Sister   Mother Vacant   Brother-in-law

S30. Ans.(c)
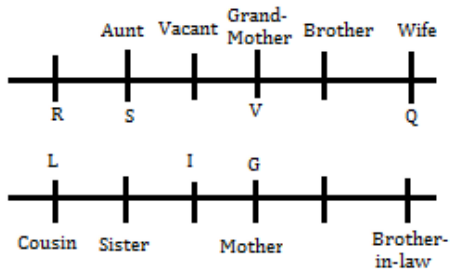**Sol.** From the given statement, we have to find connecting data such as –
L is the cousin of I and sits 2nd left of I and one of them sit at the extreme end.
G faces to the Grandmother of I. G is neither an immediate neighbor of L nor sits any extreme ends of the row. Q sits at one of the extreme end and she is the wife of I also she sits immediate left to the Brother of I. There are two seats between the brother and Aunt of I. Grandmother of I sits immediate left to the vacant seat. More than one person sits between S and the one who faces Brother-in-law of I. Only one person sits between the one who is the Sister and the one who is Mother of I. G is not a sister of I. We have 3 possibilities i.e. Case 1, Case 2 and Case 3.

Case1

Aunt Vacant Grand-Mother Brother Wife

S   Q

L   I   G

Cousin Sister   Mother   Brother-in-law

Case2

Aunt Vacant Grand-Mother Brother Wife

S   Q

L   I   G

Cousin Sister   Mother Brother-in-law

Case 3

Aunt Vacant Grand-Mother Brother Wife

S   Q

L   I   G

Cousin Sister   Mother   Brother-in-law

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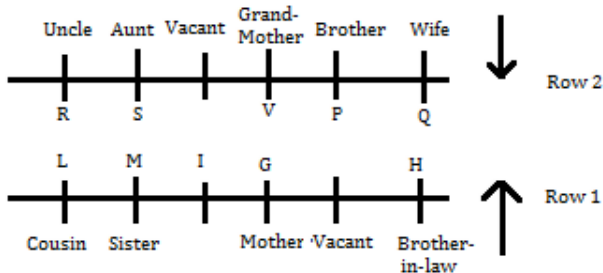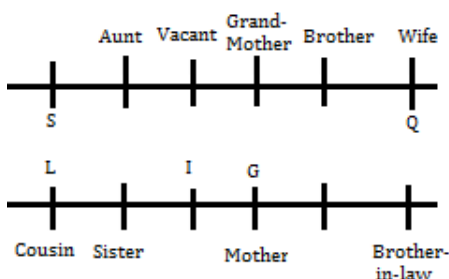
From the given statement, Number of person(s) Sit(s) between S and V is equal to the number of person(s) sit(s) between R and S. Case 1 and Case 2 is ruled out because statement not satisfied in these statements.

Case 3

V does not sits at any of the extreme ends of the row. Vacant seat of row 2 is opposite to the one who sits 3rd left of H. Now position of P and H will be fixed also, relation of R will be defined as Uncle. Final arrangement will be---

Case 3

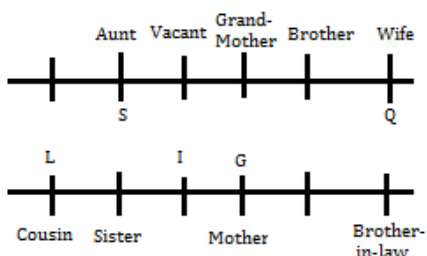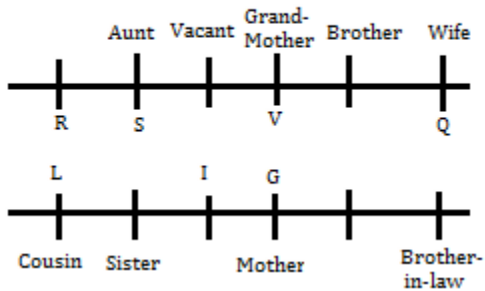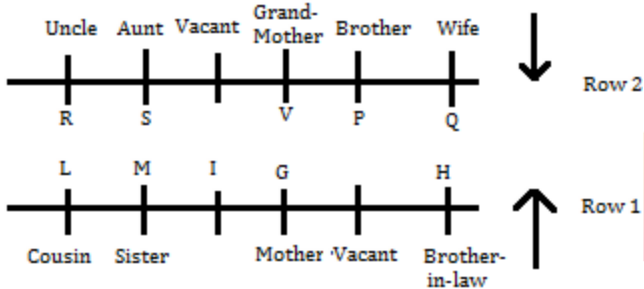**S31. Ans.(c)**
Sol. From the given statement, Q does not live any of the flat 1 but lives immediate west to S. One person live between S and L, who live South to S.

| | Case 1 | | | | Case 2 | | |
Floor	Flat 1	Flat 2	Flat 3	Floor	Flat 1	Flat 2	Flat 3
4		Q	S	4			
3				3		Q	S
2			L	2			
1				1			L

From the given statement, one person lives between J and R, who lives south to J. J lives south west to S. H lives in North east direction with respect to M. In case 2 if we placed J south west to S than no place remaining for R. We know that R lives below to J. So here case 2 ruled out. But one more possibility added Case 1a.

H does not live any of the flat 3.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3		J	
2		H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3	J	H	
2	M		L
1	R		

G lives immediate above to I. P lives on even number floor but not on even number flat. I does not live immediate above to M. K lives North east with respect to H. In case 1a we say that K not situated north east to H. So case 1a ruled out from here.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4	P	Q	S
3	J	H	
2	M	G	L
1	R	I	

So the final arrangements are such as-

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	N

S32. Ans.(b)
Sol. From the given statement, Q does not live any of the flat 1 but lives immediate west to S. One person live between S and L, who live South to S.

	Case 1				**Case 2**		
Floor	Flat 1	Flat 2	Flat 3	Floor	Flat 1	Flat 2	Flat 3
4		Q	S	4			
3				3		Q	S
2			L	2			
1				1			L

From the given statement, one person lives between J and R, who lives south to J. J lives south west to S. H lives in North east direction with respect to M. In case 2 if we placed J south west to S than no place remaining for R. We know that R lives below to J. So here case 2 ruled out. But one more possibility added Case 1a.

H does not live any of the flat 3.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3		J	
2		H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3	J	H	
2	M		L
1	R		

G lives immediate above to I. P lives on even number floor but not on even number flat. I does not live immediate above to M. K lives North east with respect to H. In case 1a we say that K not situated north east to H. So case 1a ruled out from here.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4	P	Q	S
3	J	H	
2	M	G	L
1	R	I	

So the final arrangements are such as-

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	N

S33. Ans.(b)
Sol. From the given statement, Q does not live any of the flat 1 but lives immediate west to S. One person live between S and L, who live South to S.
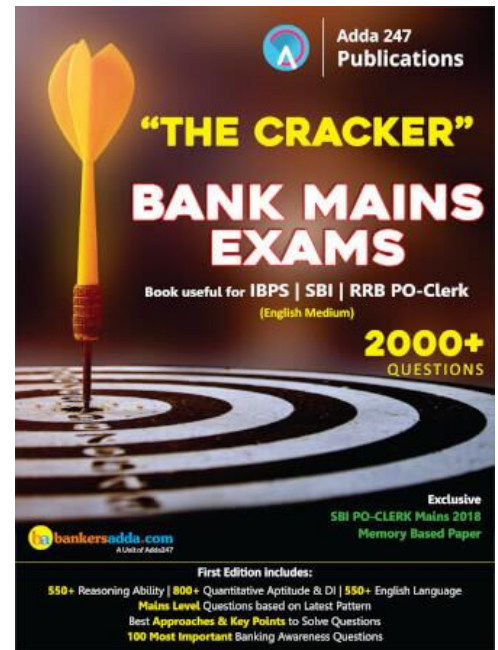
Floor	Flat 1	Flat 2	Flat 3	Floor	Flat 1	Flat 2	Flat 3
4		Q	S	4			
3				3		Q	S
2			L	2			
1				1			L

(Case 1 — left four columns; Case 2 — right four columns)

From the given statement, one person lives between J and R, who lives south to J. J lives south west to S. H lives in North east direction with respect to M. In case 2 if we placed J south west to S than no place remaining for R. We know that R lives below to J. So here case 2 ruled out. But one more possibility added Case 1a.
H does not live any of the flat 3.

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Case 1

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3		J	
2		H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3	J	H	
2	M		L
1	R		

G lives immediate above to I. P lives on even number floor but not on even number flat. I does not live immediate above to M. K lives North east with respect to H. In case 1a we say that K not situated north east to H. So case 1a ruled out from here.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4	P	Q	S
3	J	H	
2	M	G	L
1	R	I	

So the final arrangements are such as-

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	N

S34. Ans.(a)
Sol. From the given statement, Q does not live any of the flat 1 but lives immediate west to S. One person live between S and L, who live South to S.

	Case 1				Case 2		
Floor	Flat 1	Flat 2	Flat 3	Floor	Flat 1	Flat 2	Flat 3
4		Q	S	4			
3				3		Q	S
2			L	2			
1				1			L

From the given statement, one person lives between J and R, who lives south to J. J lives south west to S. H lives in North east direction with respect to M. In case 2 if we placed J south west to S than no place remaining for R. We know that R lives below to J. So here case 2 ruled out. But one more possibility added Case 1a.

H does not live any of the flat 3.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3		J	
2		H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3	J	H	
2	M		L
1	R		

G lives immediate above to I. P lives on even number floor but not on even number flat. I does not live immediate above to M. K lives North east with respect to H. In case 1a we say that K not situated north east to H. So case 1a ruled out from here.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4	P	Q	S
3	J	H	
2	M	G	L
1	R	I	

So the final arrangements are such as-

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	N

S35. Ans.(a)
Sol. From the given statement, Q does not live any of the flat 1 but lives immediate west to S. One person live between S and L, who live South to S.

Floor	Flat 1	Flat 2	Flat 3	Floor	Flat 1	Flat 2	Flat 3
		Case 1				Case 2	
4		Q	S	4			
3				3		Q	S
2			L	2			
1				1			L

From the given statement, one person lives between J and R, who lives south to J. J lives south west to S. H lives in North east direction with respect to M. In case 2 if we placed J south west to S than no place remaining for R. We know that R lives below to J. So here case 2 ruled out. But one more possibility added Case 1a.

H does not live any of the flat 3.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3		J	
2		H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4		Q	S
3	J	H	
2	M		L
1	R		

G lives immediate above to I. P lives on even number floor but not on even number flat. I does not live immediate above to M. K lives North east with respect to H. In case 1a we say that K not situated north east to H. So case 1a ruled out from here.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	

Case 1a

Floor	Flat 1	Flat 2	Flat 3
4	P	Q	S
3	J	H	
2	M	G	L
1	R	I	

So the final arrangements are such as-

Floor	Flat 1	Flat 2	Flat 3
4	G	Q	S
3	I	J	K
2	P	H	L
1	M	R	N

S36. Ans.(d)
Sol.

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S37. Ans.(c)
Sol.

D   35km   C
45°
40km   40km
45°
Bhopal Airport
Jodhpur Airport
45°
20km
B   35km   A
20km
45°
Jaipur Airport

S38. Ans.(e)
Sol.

D   35km   C
45°
40km   40km
45°
Bhopal Airport
Jodhpur Airport
45°
20km
B   35km   A
20km
45°
Jaipur Airport

S39. Ans.(d)
Sol.

M(+) ════ Q(-)

N(+) ════ G(-) ── L

O(+)

S40. Ans.(b)
Sol.

M(+) ════ Q(-)

N(+) ════ G(-) ── L (+) ══ C(-)

O(+)
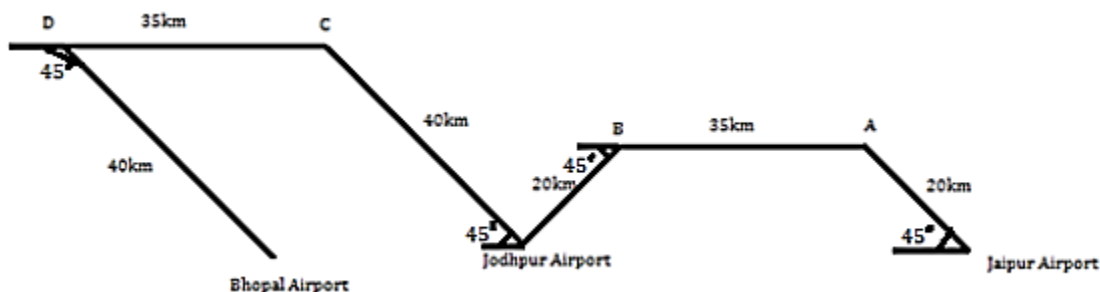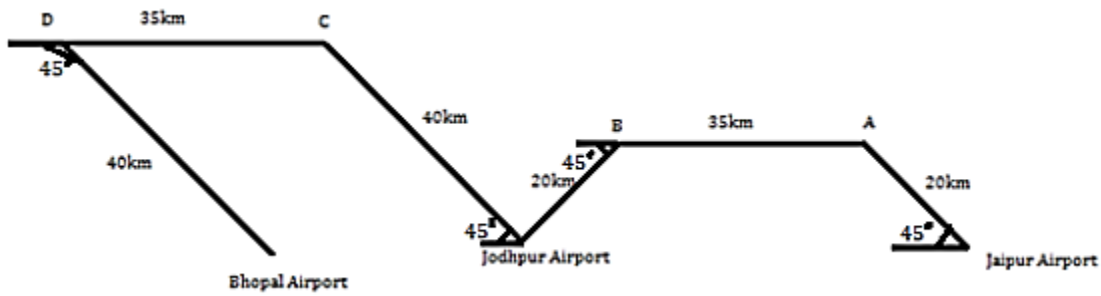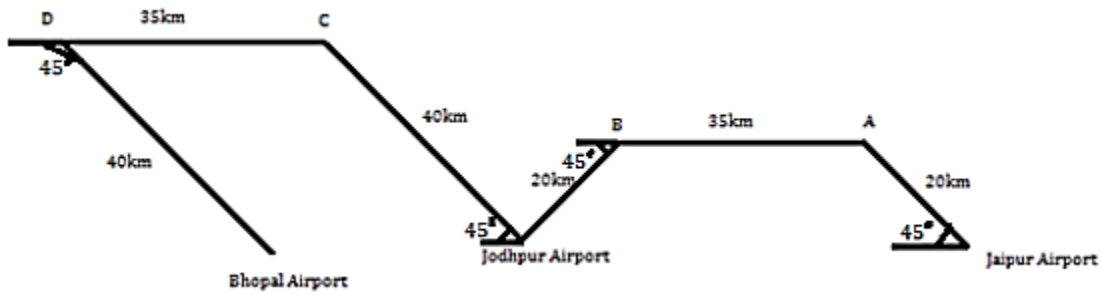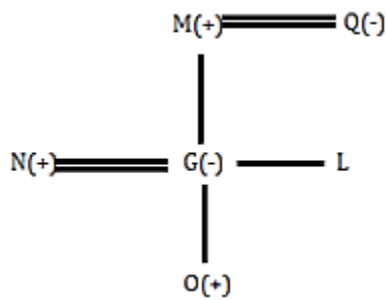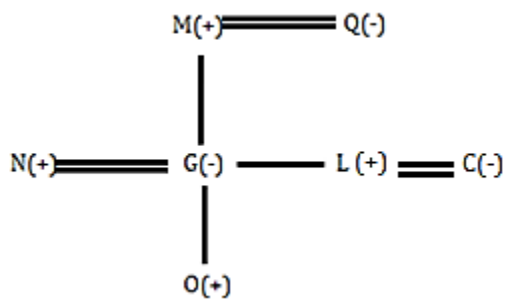
S41. Ans.(b)
Sol. A is sitting third to left of J. Three person sits between A and one who belongs to Ambala. I belongs to Jhajjar. There is only one person sits between I and J. I sits at one of the corner of rectangular table. H belongs to Hisar and sits one of the corners. G belongs to Panchkula and sits second to right of H. From the given conditions, there will be four possibilities
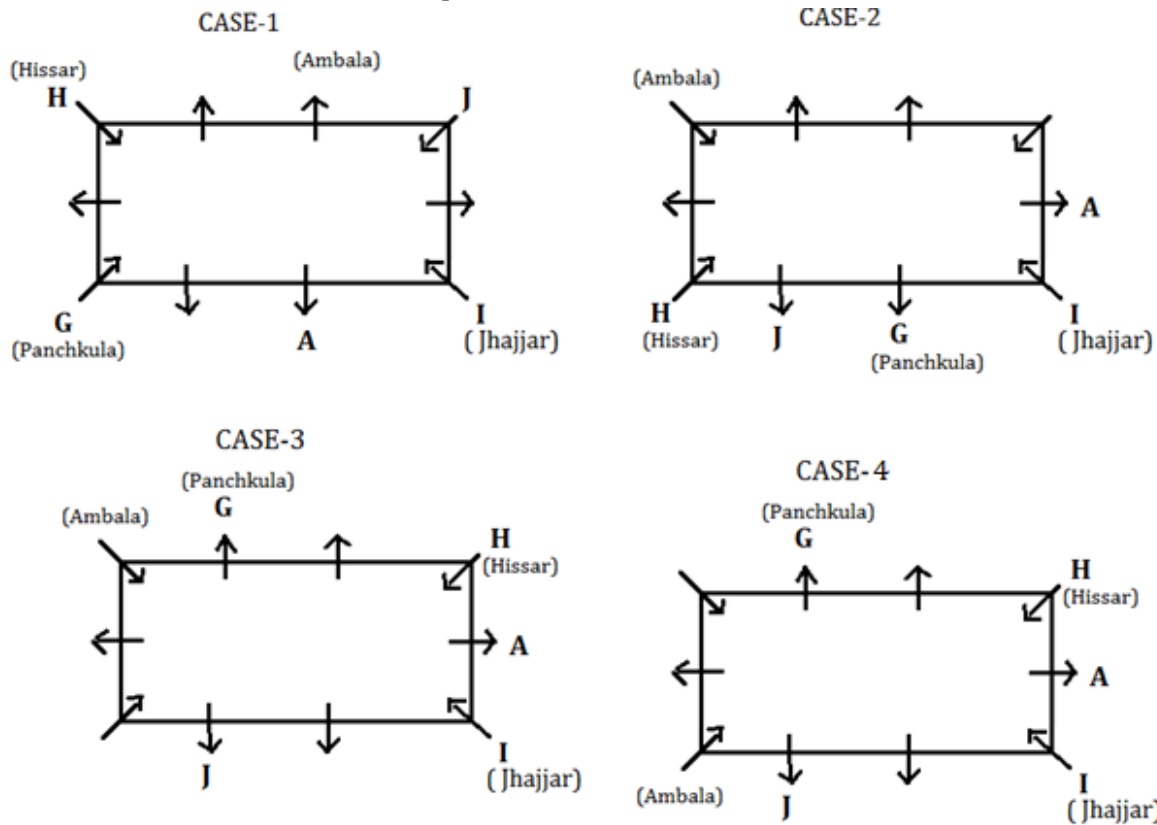
There is three persons sits between persons who belongs to Ambala and Bhiwani. B belongs to Bhiwani. By this case-1 and 2 will be cancelled. Now, there is only one person sits between one who belongs to Ambala and Faridabad. E belongs to Faridabad. E does not sit corner of the rectangular table.
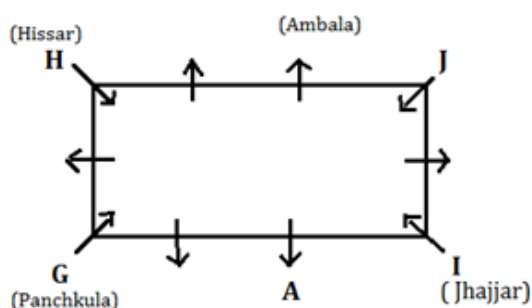

Now, the person who belongs to Fatehabad sits second to left of one who belongs to Faridabad. By this case 3 get eliminated. There are two persons sit between one who belong to Fatehabad and Gurugram. C sits immediate right of D. Neither C nor D belongs to Ambala. D belongs to Karnal and sits adjacent to F. Final arrangement will be---
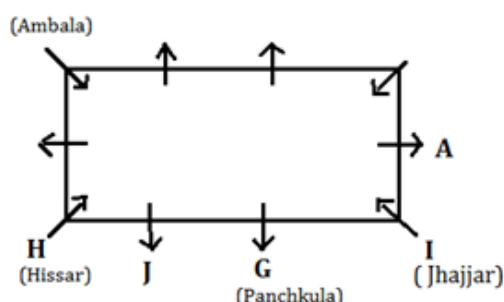
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Diagram (rectangular table arrangement):

- (Panchkula) G
- B (Bhiwani)
- (Jind) C
- H (Hissar)
- (Karnal) D
- A (Fatehabad)
- (Ambala) F
- J (Gurugram)
- (Faridabad) E
- I (Jhajjar)
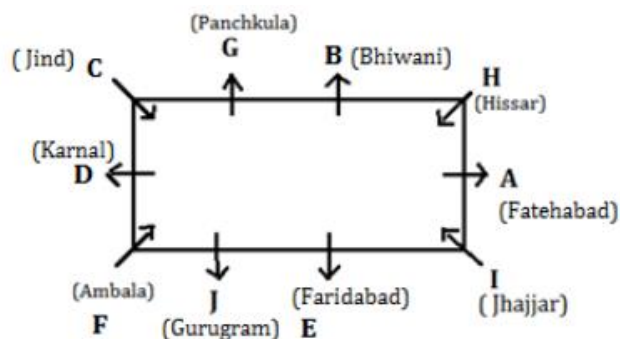
S42. Ans.(e)

Sol. A is sitting third to left of J. Three person sits between A and one who belongs to Ambala. I belongs to Jhajjar. There is only one person sits between I and J. I sits at one of the corner of rectangular table. H belongs to Hisar and sits one of the corners. G belongs to Panchkula and sits second to right of H. From the given conditions, there will be four possibilities
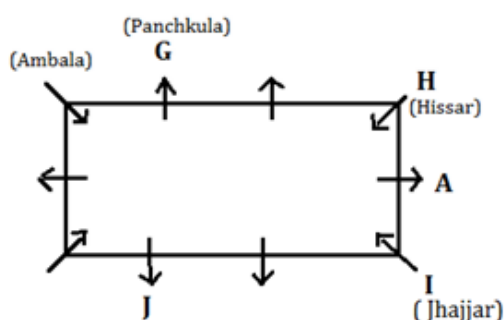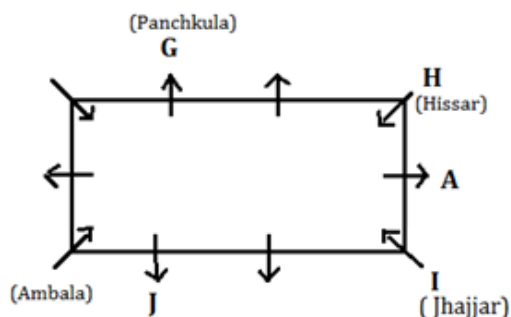
CASE-1

- (Hissar) H
- (Ambala)
- J
- G (Panchkula)
- A
- I (Jhajjar)

CASE-2

- (Ambala)
- A
- H (Hissar)
- J
- G (Panchkula)
- I (Jhajjar)

CASE-3

- (Panchkula) G
- (Ambala)
- H (Hissar)
- A
- J
- I (Jhajjar)

CASE-4
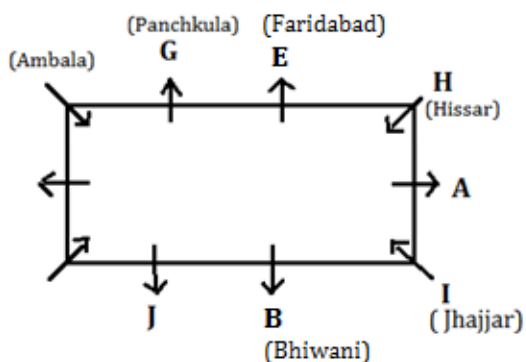
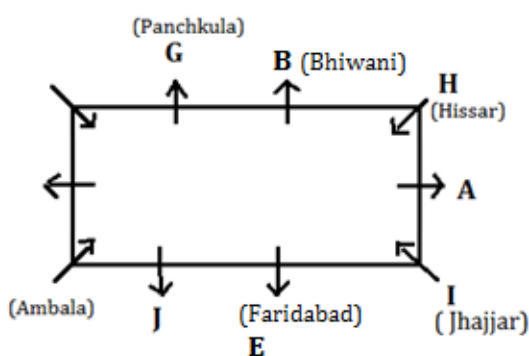- (Panchkula) G
- H (Hissar)
- A
- (Ambala) J
- I (Jhajjar)

There is three persons sits between persons who belongs to Ambala and Bhiwani. B belongs to Bhiwani. By this case-1 and 2 will be cancelled. Now, there is only one person sits between one who belongs to Ambala and Faridabad. E belongs to Faridabad. E does not sit corner of the rectangular table.

CASE-3

- (Panchkula) G
- (Faridabad) E
- (Ambala)
- H (Hissar)
- A
- J
- B (Bhiwani)
- I (Jhajjar)

CASE-4

- (Panchkula) G
- B (Bhiwani)
- H (Hissar)
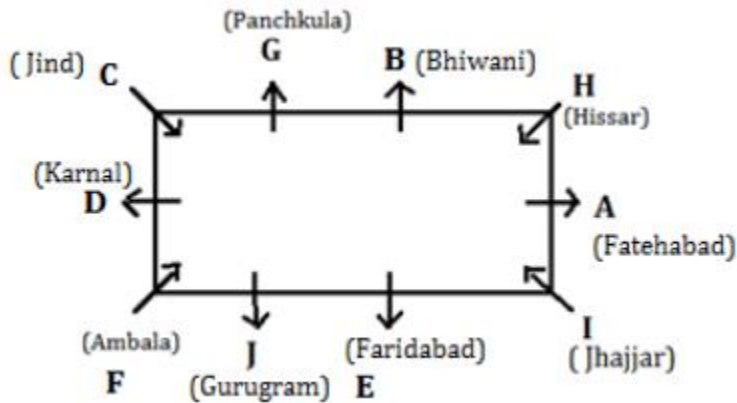- A
- (Ambala) J
- (Faridabad) E
- I (Jhajjar)

Now, the person who belongs to Fatehabad sits second to left of one who belongs to Faridabad. By this case 3 get eliminated. There are two persons sit between one who belong to Fatehabad and Gurugram. C sits immediate right of D. Neither C nor D belongs to Ambala. D belongs to Karnal and sits adjacent to F. Final arrangement will be---
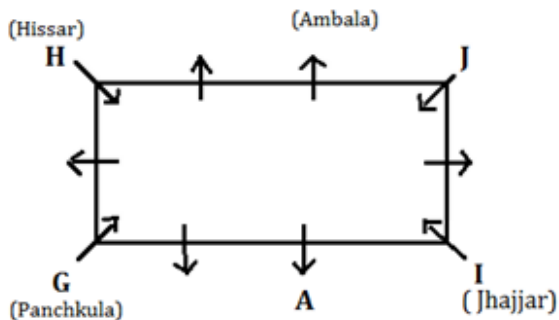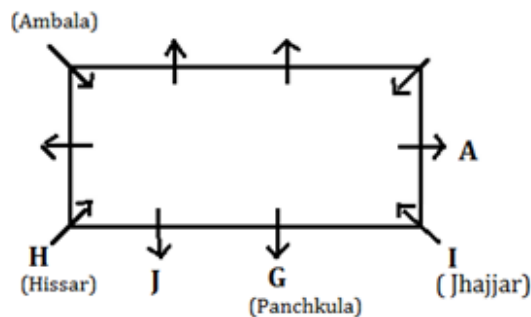

S43. Ans.(a)
Sol. A is sitting third to left of J. Three person sits between A and one who belongs to Ambala. I belongs to Jhajjar. There is only one person sits between I and J. I sits at one of the corner of rectangular table. H belongs to Hisar and sits one of the corners. G belongs to Panchkula and sits second to right of H. From the given conditions, there will be four possibilities

There is three persons sits between persons who belongs to Ambala and Bhiwani. B belongs to Bhiwani. By this case-1 and 2 will be cancelled. Now, there is only one person sits between one who belongs to Ambala and Faridabad. E belongs to Faridabad. E does not sit corner of the rectangular table.

CASE-3

(Ambala)
(Panchkula) G
(Faridabad) E
H (Hissar)
A
J
B (Bhiwani)
I (Jhajjar)

CASE-4

(Panchkula) G
B (Bhiwani)
H (Hissar)
A
(Ambala) J
(Faridabad) E
I (Jhajjar)

Now, the person who belongs to Fatehabad sits second to left of one who belongs to Faridabad. By this case 3 get eliminated. There are two persons sit between one who belong to Fatehabad and Gurugram. C sits immediate right of D. Neither C nor D belongs to Ambala. D belongs to Karnal and sits adjacent to F. Final arrangement will be---

(Panchkula) G
(Jind) C
B (Bhiwani)
H (Hissar)
(Karnal) D
A (Fatehabad)
(Ambala) F
J (Gurugram)
(Faridabad) E
I (Jhajjar)

S44. Ans.(d)

Sol. A is sitting third to left of J. Three person sits between A and one who belongs to Ambala. I belongs to Jhajjar. There is only one person sits between I and J. I sits at one of the corner of rectangular table. H belongs to Hisar and sits one of the corners. G belongs to Panchkula and sits second to right of H. From the given conditions, there will be four possibilities
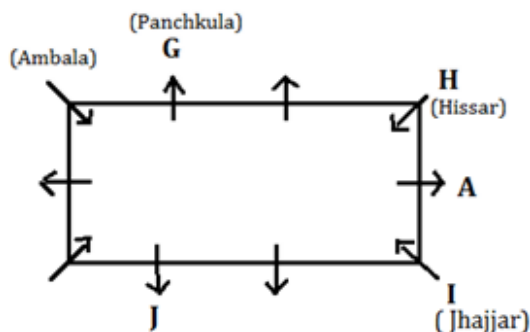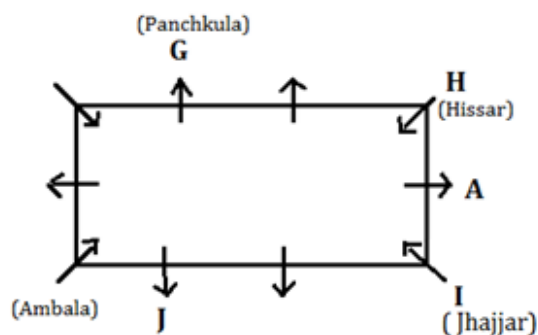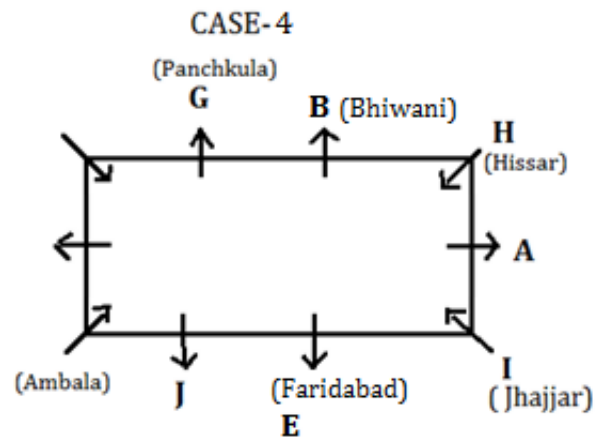
CASE-1

(Hissar) H
(Ambala)
J
G (Panchkula)
A
I (Jhajjar)

CASE-2

(Ambala)
A
H (Hissar)
J
G (Panchkula)
I (Jhajjar)

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CASE-3

(Panchkula)
G
(Ambala)
H
(Hissar)
A
J
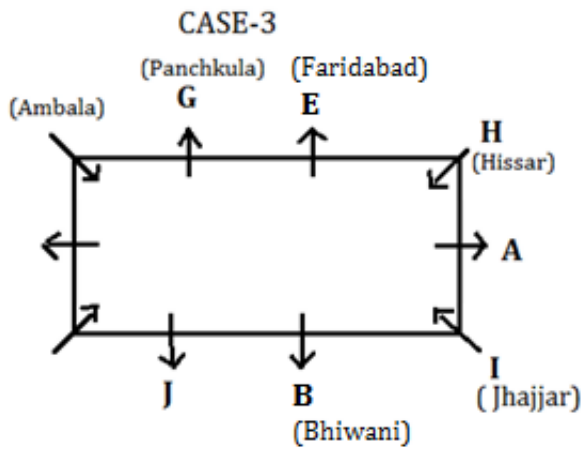I
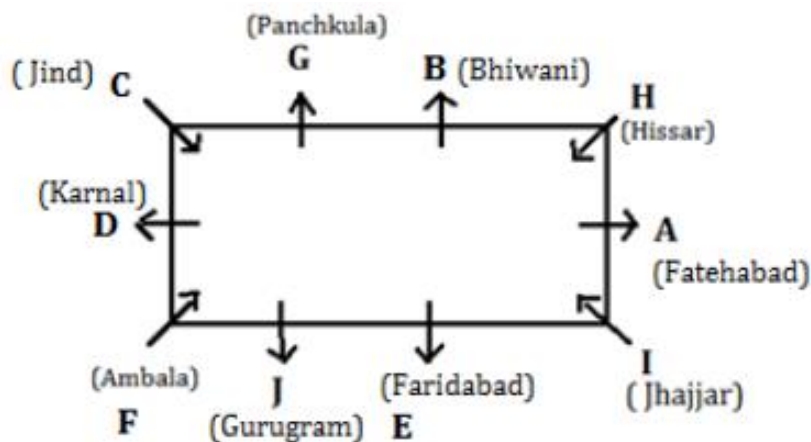(Jhajjar)

CASE-4

(Panchkula)
G
H
(Hissar)
A
(Ambala) J
I
(Jhajjar)

There is three persons sits between persons who belongs to Ambala and Bhiwani. B belongs to Bhiwani. By this case-1 and 2 will be cancelled. Now, there is only one person sits between one who belongs to Ambala and Faridabad. E belongs to Faridabad. E does not sit corner of the rectangular table.

CASE-3

(Panchkula) (Faridabad)
G   E
(Ambala)
H
(Hissar)
A
J   B
(Bhiwani)
I
(Jhajjar)

CASE-4

(Panchkula)
G   B (Bhiwani)
H
(Hissar)
A
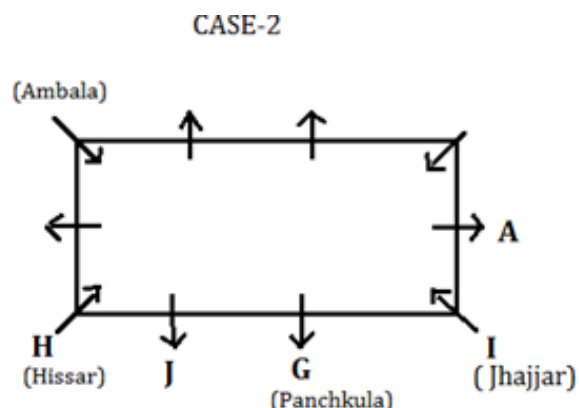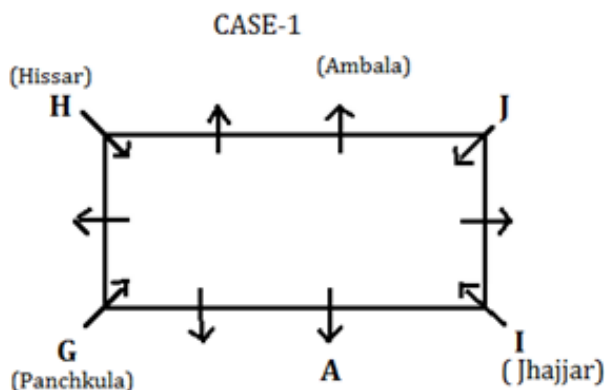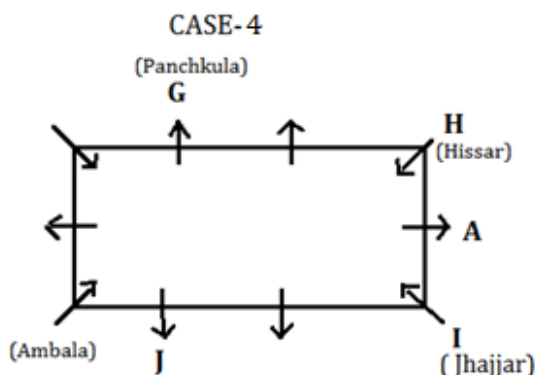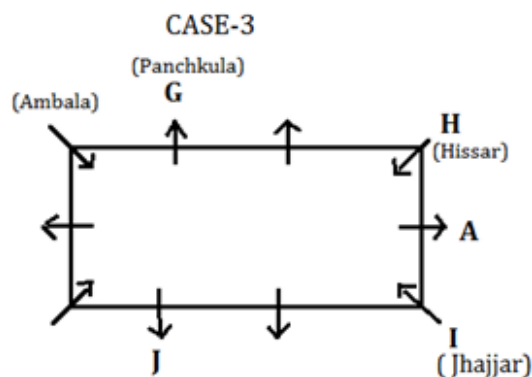(Ambala) J   (Faridabad)
E
I
(Jhajjar)

Now, the person who belongs to Fatehabad sits second to left of one who belongs to Faridabad. By this case 3 get eliminated. There are two persons sit between one who belong to Fatehabad and Gurugram. C sits immediate right of D. Neither C nor D belongs to Ambala. D belongs to Karnal and sits adjacent to F. Final arrangement will be---
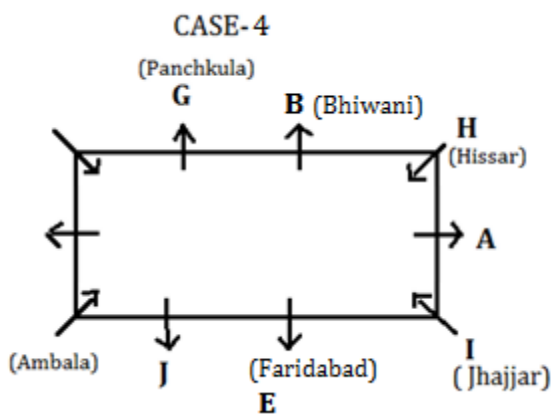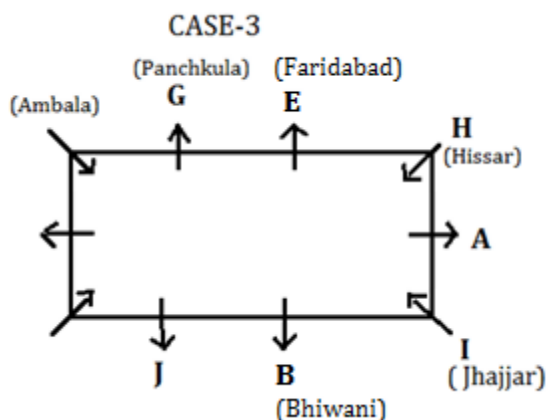

(Panchkula)
(Jind) C   G   B (Bhiwani)
H
(Hissar)
(Karnal)
D
A
(Fatehabad)
(Ambala) F   J   (Faridabad) E
(Gurugram)
I
(Jhajjar)

S45. Ans.(d)
Sol. A is sitting third to left of J. Three person sits between A and one who belongs to Ambala. I belongs to Jhajjar. There is only one person sits between I and J. I sits at one of the corner of rectangular table. H belongs to Hisar and sits one of the corners. G belongs to Panchkula and sits second to right of H. From the given conditions, there will be four possibilities

CASE-1

(Hissar)
H   (Ambala)   **J**

G (Panchkula)   **A**   **I** (Jhajjar)

CASE-2

(Ambala)

H (Hissar)   **J**   **G** (Panchkula)   **A**   **I** (Jhajjar)

CASE-3

(Panchkula) **G**
(Ambala)   **H** (Hissar)

       A

J   **I** (Jhajjar)

CASE-4

(Panchkula) **G**
      H (Hissar)
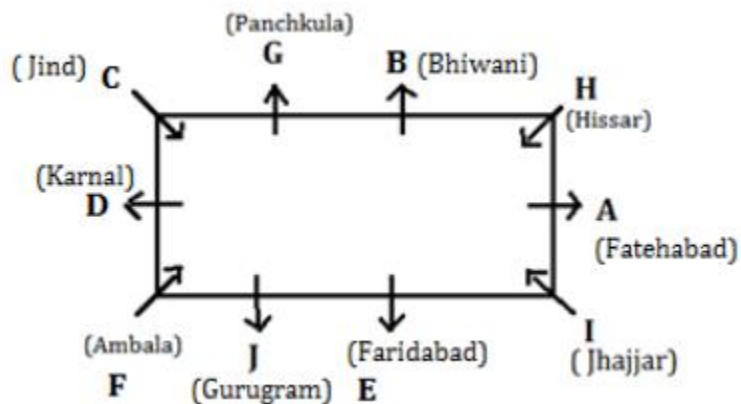
     A

(Ambala) **J**   **I** (Jhajjar)

There is three persons sits between persons who belongs to Ambala and Bhiwani. B belongs to Bhiwani. By this case-1 and 2 will be cancelled. Now, there is only one person sits between one who belongs to Ambala and Faridabad. E belongs to Faridabad. E does not sit corner of the rectangular table.

CASE-3

(Panchkula) (Faridabad)
(Ambala)   **G**   **E**   **H** (Hissar)

       A

J   **B**   **I** (Jhajjar)
    (Bhiwani)

CASE-4

(Panchkula)
   G   **B** (Bhiwani)
       H (Hissar)

      A

(Ambala) **J**   (Faridabad)   **I** (Jhajjar)
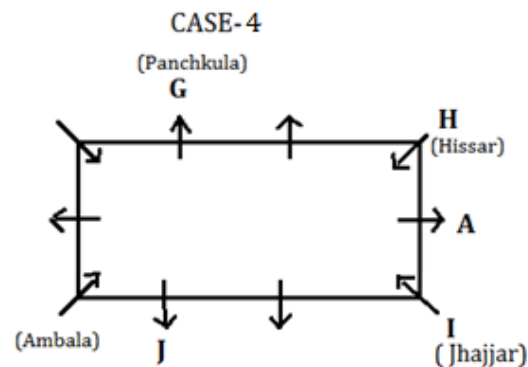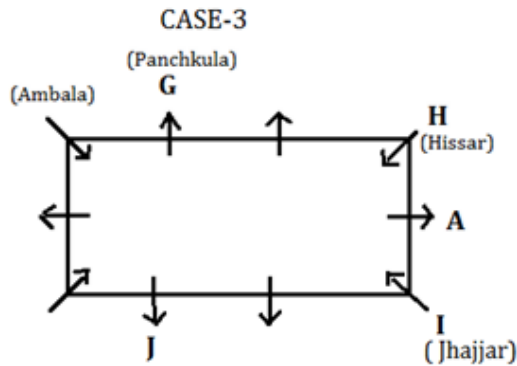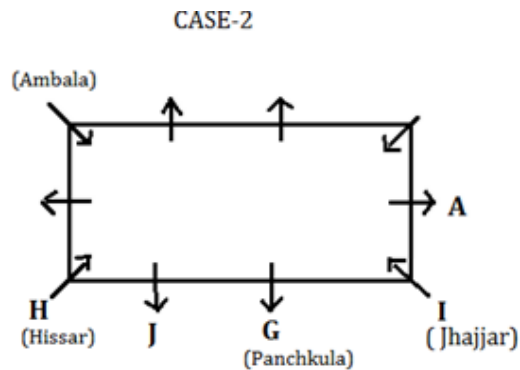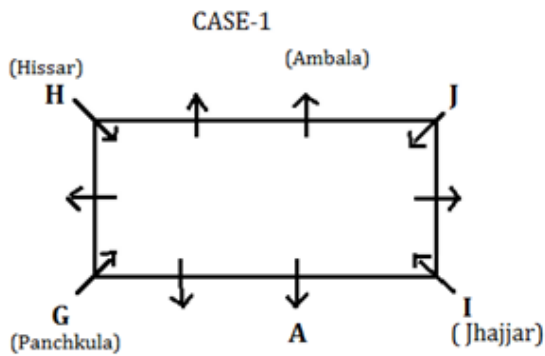   **E**

Now, the person who belongs to Fatehabad sits second to left of one who belongs to Faridabad. By this case 3 get eliminated. There are two persons sit between one who belong to Fatehabad and Gurugram. C sits immediate right of D. Neither C nor D belongs to Ambala. D belongs to Karnal and sits adjacent to F. Final arrangement will be---

(Panchkula)
(Jind) **C**   **G**   **B** (Bhiwani)
       H (Hissar)

(Karnal) **D**   **A** (Fatehabad)

(Ambala) **F**   **J** (Gurugram)   **E** (Faridabad)   **I** (Jhajjar)

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S46. Ans.(e)

Sol. Logic:

The word and number arrangement machine rearrange the input with the logic that, In step I, it shifts the largest number to the left-most place and the last word coming in English alphabetical series to the rightmost place. In step II, it shifts the smallest number to the leftmost place and the next word (in reverse alphabetical order) to the rightmost. In step III 2nd largest number is shifted to the leftmost place and so on.

Input: friend 89 at the 28 16 base cunning 35 53 here 68

Step I: 89 friend at 28 16 base cunning 35 53 here 68 the

Step II: 16 89 friend at 28 base cunning 35 53 68 the here

Step III: 68 16 89 at 28 base cunning 35 53 the here friend

Step IV: 28 68 16 89 at base 35 53 the here friend cunning

Step V: 53 28 68 16 89 at 35 the here friend cunning base

Step VI: 35 53 28 68 16 89 the here friend cunning base at

S47. Ans.(c)

Sol. Logic:

The word and number arrangement machine rearrange the input with the logic that, In step I, it shifts the largest number to the left-most place and the last word coming in English alphabetical series to the rightmost place. In step II, it shifts the smallest number to the leftmost place and the next word (in reverse alphabetical order) to the rightmost. In step III 2nd largest number is shifted to the leftmost place and so on.

Input: friend 89 at the 28 16 base cunning 35 53 here 68

Step I: 89 friend at 28 16 base cunning 35 53 here 68 the

Step II: 16 89 friend at 28 base cunning 35 53 68 the here

Step III: 68 16 89 at 28 base cunning 35 53 the here friend

Step IV: 28 68 16 89 at base 35 53 the here friend cunning

Step V: 53 28 68 16 89 at 35 the here friend cunning base

Step VI: 35 53 28 68 16 89 the here friend cunning base at

S48. Ans.(d)

Sol. Logic:

The word and number arrangement machine rearrange the input with the logic that, In step I, it shifts the largest number to the left-most place and the last word coming in English alphabetical series to the rightmost place. In step II, it shifts the smallest number to the leftmost place and the next word (in reverse alphabetical order) to the rightmost. In step III 2nd largest number is shifted to the leftmost place and so on.

Input: friend 89 at the 28 16 base cunning 35 53 here 68

Step I: 89 friend at 28 16 base cunning 35 53 here 68 the

Step II: 16 89 friend at 28 base cunning 35 53 68 the here

Step III: 68 16 89 at 28 base cunning 35 53 the here friend

Step IV: 28 68 16 89 at base 35 53 the here friend cunning

Step V: 53 28 68 16 89 at 35 the here friend cunning base

Step VI: 35 53 28 68 16 89 the here friend cunning base at

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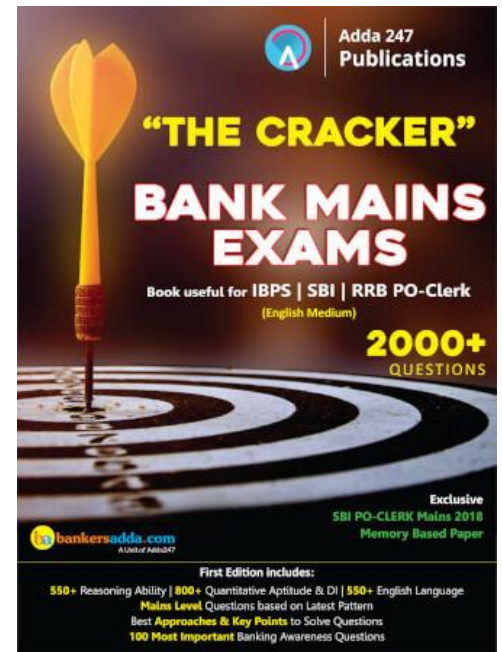
S49. Ans.(b)
Sol. Logic:
The word and number arrangement machine rearrange the input with the logic that, In step I, it shifts the largest number to the left-most place and the last word coming in English alphabetical series to the rightmost place. In step II, it shifts the smallest number to the leftmost place and the next word (in reverse alphabetical order) to the rightmost. In step III 2nd largest number is shifted to the leftmost place and so on.
Input: friend 89 at the 28 16 base cunning 35 53 here 68
Step I: 89 friend at 28 16 base cunning 35 53 here 68 the
Step II: 16 89 friend at 28 base cunning 35 53 68 the here
Step III: 68 16 89 at 28 base cunning 35 53 the here friend
Step IV: 28 68 16 89 at base 35 53 the here friend cunning
Step V: 53 28 68 16 89 at 35 the here friend cunning base
Step VI: 35 53 28 68 16 89 the here friend cunning base at

S50. Ans.(a)
Sol. Logic:
The word and number arrangement machine rearrange the input with the logic that, In step I, it shifts the largest number to the left-most place and the last word coming in English alphabetical series to the rightmost place. In step II, it shifts the smallest number to the leftmost place and the next word (in reverse alphabetical order) to the rightmost. In step III 2nd largest number is shifted to the leftmost place and so on.
Input: friend 89 at the 28 16 base cunning 35 53 here 68
Step I: 89 friend at 28 16 base cunning 35 53 here 68 the
Step II: 16 89 friend at 28 base cunning 35 53 68 the here
Step III: 68 16 89 at 28 base cunning 35 53 the here friend
Step IV: 28 68 16 89 at base 35 53 the here friend cunning
Step V: 53 28 68 16 89 at 35 the here friend cunning base
Step VI: 35 53 28 68 16 89 the here friend cunning base at

S51. Ans.(c)
Sol.
$$\frac{150}{100} \times 40 + 25 = (2)^? + 53$$
$$85 - 53 = (2)^?$$
$$(2)^? = 32$$
$$(2)^? = (2)^5$$
$$? = 5$$

S52. Ans.(b)
Sol.
$$31 + \frac{3}{8} \times 512 + 594 \times \frac{1}{9} = (?)^2$$
$$31 + 192 + 66 = (?)^2$$
$$(?)^2 = 289$$
$$? = 17$$

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S53. Ans.(d)
Sol.

? = 1221 + 122 – 1221 + 12 – 51

? = 83

S54. Ans.(e)
Sol.

$21 \times 4 \times \frac{1}{7} = (?)^2 - \sqrt{169}$

$12 = (?)^2 - 13$

$(?)^2 = 25$

? = 5

S55. Ans.(a)
Sol.

$16 \times 16 + ? = 21 \times 21$

? = 441 – 256

? = 185

S56. Ans.(d)
Sol. Let the demand in units in may month be x units.

In January = (x + 100) units

April = $\frac{x}{2}$ units.

March = 2x untis.

February = $2x + 2x \times \frac{25}{100}$ = 2.5x units.

ATQ,

$\frac{x + x + 100 + \frac{x}{2} + 2.5x + 2x}{5} = (x + 100)$

$\Rightarrow$ 7x + 100 = 5x + 500

$\Rightarrow$ x = 200 units.

Let number of working days in January be y days.

Then, in May = y days.

February = March = April = (y – 2) days.

ATQ,

$\frac{y + y + 3(y-2)}{5} = 20.8$

$\Rightarrow$ y = 22 days.

Month	Opening stock	Demand	Safety	Production required	Days
Jan	30	300	60	330	22
Feb	60	500	100	540	20
March	100	400	80	380	20
April	80	100	20	40	20
May	20	200	40	220	22

Required ratio = $\frac{80}{100} = \frac{4}{5}$

S57. Ans.(a)
Sol.
Let the demand in units in may month be x units.

In January = (x + 100) units

April = $\frac{x}{2}$ units.

March = 2x untis.

February = $2x + 2x \times \frac{25}{100}$ = 2.5x units.

ATQ,

$\frac{x+x+100+\frac{x}{2}+2.5x+2x}{5} = (x + 100)$

⇒ 7x + 100 = 5x + 500

⇒ x = 200 units.

Let number of working days in January be y days.

Then, in May = y days.

February = March = April = (y − 2) days.

ATQ,

$\frac{y+y+3(y-2)}{5} = 20.8$

⇒ y = 22 days.

Month	Opening stock	Demand	Safety	Production required	Days
Jan	30	300	60	330	22
Feb	60	500	100	540	20
March	100	400	80	380	20
April	80	100	20	40	20
May	20	200	40	220	22

Required % = $\frac{(380+220)}{500} \times 100 = 120\%$

S58. Ans.(c)
Sol.
Let the demand in units in may month be x units.

In January = (x + 100) units

April = $\frac{x}{2}$ units.

March = 2x untis.

February = $2x + 2x \times \frac{25}{100}$ = 2.5x units.

ATQ,

$\frac{x+x+100+\frac{x}{2}+2.5x+2x}{5} = (x + 100)$

⇒ 7x + 100 = 5x + 500

⇒ x = 200 units.

Let number of working days in January be y days.

Then, in May = y days.

February = March = April = (y − 2) days.

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ATQ,

$$\frac{y + y + 3(y - 2)}{5} = 20.8$$

$\Rightarrow$ y = 22 days.

Month	Opening stock	Demand	Safety	Production required	Days
Jan	30	300	60	330	22
Feb	60	500	100	540	20
March	100	400	80	380	20
April	80	100	20	40	20
May	20	200	40	220	22

Units produced per day in January and March

$$= \frac{330}{22} + \frac{380}{20} = 34 \text{ units}$$

Required % $= \frac{40 - 34}{40} \times 100$

$$= \frac{6}{40} \times 100 = 15\%$$

S59. Ans.(b)
Sol.

Let the demand in units in may month be x units.

In January = (x + 100) units

April $= \frac{x}{2}$ units.

March = 2x untis.

February = 2x + 2x $\times \frac{25}{100}$ = 2.5x units.

ATQ,

$$\frac{x + x + 100 + \frac{x}{2} + 2.5x + 2x}{5} = (x + 100)$$

$\Rightarrow$ 7x + 100 = 5x + 500

$\Rightarrow$ x = 200 units.

Let number of working days in January be y days.

Then, in May = y days.

February = March = April = (y – 2) days.

ATQ,

$$\frac{y + y + 3(y - 2)}{5} = 20.8$$

$\Rightarrow$ y = 22 days.

Month	Opening stock	Demand	Safety	Production required	Days
Jan	30	300	60	330	22
Feb	60	500	100	540	20
March	100	400	80	380	20
April	80	100	20	40	20
May	20	200	40	220	22

In February, production required is highest.

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S60. Ans.(e)
Sol. Let the demand in units in may month be x units.

In January = (x + 100) units

April = $\frac{x}{2}$ units.

March = 2x untis.

February = $2x + 2x \times \frac{25}{100}$ = 2.5x units.
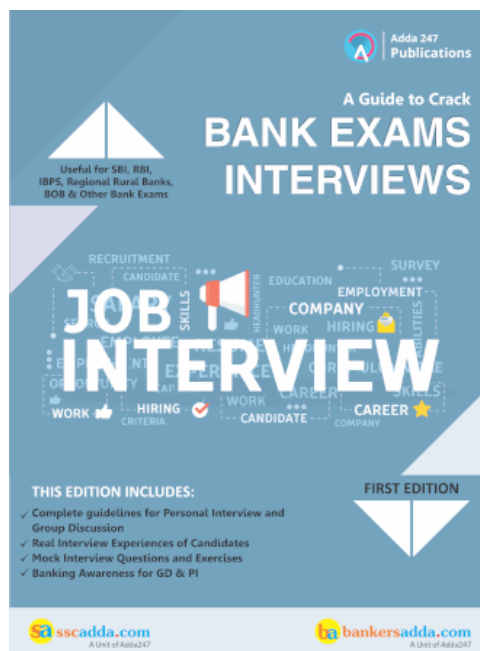
ATQ,

$\frac{x+x+100+\frac{x}{2}+2.5x+2x}{5} = (x + 100)$

⇒ 7x + 100 = 5x + 500

⇒ x = 200 units.

Let number of working days in January be y days.

Then, in May = y days.

February = March = April = (y – 2) days.

ATQ,

$\frac{y + y + 3(y - 2)}{5} = 20.8 \Rightarrow y = 22$ days

Month	Opening stock	Demand	Safety	Production required	Days
Jan	30	300	60	330	22
Feb	60	500	100	540	20
March	100	400	80	380	20
April	80	100	20	40	20
May	20	200	40	220	22

Required difference = (30 + 20) – 40 = 10

S61. Ans.(e)
Sol. Let the total number of appeared students be x
Then, failed students in both paper
= x - (320 + 180 + 150) = (x - 650)

ATQ,

$\frac{x - 650}{x} = \frac{1}{14}$

⇒ 14x – 9100 = x ⇒ 700 = x

S62. Ans.(b)
Sol. Let the initial quantity of solution be 100x lit.

After first replacement,

Quantity of milk = $\frac{60}{100} \times 100x \times \frac{80}{100}$ = 48x lit.

After second replacement,

Quantity of milk = $48x \times \frac{75}{100}$ = 36x lit

At the end, quantity of milk remains = $36x \times \frac{3}{4}$ = 27x

Required % = $\frac{27x}{100x} \times 100$ = 27%

S63. Ans.(c)

Sol.

Percentage of the total no. of employees in others industry
= 100 − [35 + 25 + 15 + 12 + 8]
= 5%

So, required percentage = $\frac{35}{5} \times 100 = 700\%$

S64. Ans.(d)

Sol.

Required ratio = $\frac{35+12}{15+8} = \frac{47}{23}$

S65. Ans.(a)

Sol.

Required difference = $\left[\left(\frac{35+15+25}{3}\right) - \left(\frac{12+8}{2}\right)\right]\frac{47500}{500} \times 100$

= $9500\left[\frac{75}{3} - \frac{20}{2}\right]$

= 1,42,500

S66. Ans.(e)

Sol.

Required percentage = $\frac{(25-5)}{25} \times 100 = 80\%$ less

S67. Ans.(c)

Sol.

Total number of employees in Energy industry

= $\left(\frac{47500\times100\times12}{5\times100}\right) + \left(\frac{47500\times100\times15\times20}{5\times100\times100}\right)$

= 1,14,000 + 28,500

= 1,42,500

Total number of employees in agriculture industry

= $\frac{47500}{5} \times 100 \times \frac{8}{100}$

= 76,000

Require percentage = $\frac{142500}{76000} \times 100 = 187.5\%$

S68. Ans.(d)

Sol.

19   45   95   177   299   ?=469

$+(5^2+1)$ $+(7^2+1)$ $+(9^2+1)$ $+(11^2+1)$ $+(13^2+1)$

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S69. Ans.(c)
Sol.

256   128   192   480   1680   ?=7560

$\times\frac{1}{2}$ $\times\frac{3}{2}$ $\times\frac{5}{2}$ $\times\frac{7}{2}$ $\times\frac{9}{2}$

S70. Ans.(a)
Sol.

119   126   134   146   167   ? = 204

+7   +8   +12   +21   +37

$+1^2$ $+2^2$ $+3^2$ $+4^2$

S71. Ans.(c)
Sol.

18   32   50   72   98   128

+14   +18   +22   +26   +30

+4   +4   +4   +4

Alternate,

18   32   50   72   98   ? = 128

↓   ↓   ↓   ↓   ↓   ↓

$3^2\times2$ $4^2\times2$ $5^2\times2$ $6^2\times2$ $7^2\times2$ $8^2\times2$
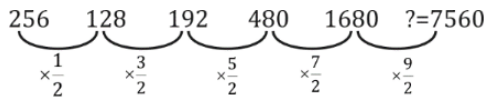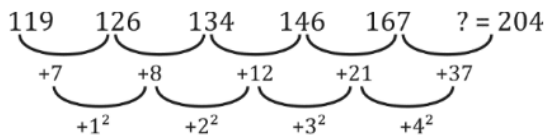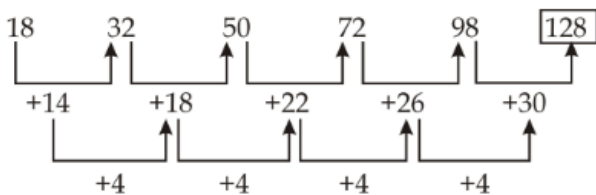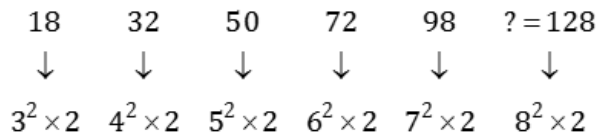
S72. Ans.(b)
Sol.
$32 \times 2 + 2 = 66$
$66 \div 2 + 2 = 35$
$35 \times 2 + 2 = 72$
$72 \div 2 + 2 = 38$
$38 \times 2 + 2 = 78$

S73. Ans.(c)
Sol. Let the amount invested in scheme A be '2x' & the amount invested in scheme B be '3x'.
So, 3x + 2x = 80,000
x = Rs. 16,000
Amount invested in scheme A = Rs. 32,000
Amount invested in scheme B = Rs. 48,000
ATQ,
$80,000 + \left(\frac{32,000\times R\times2}{100}\right) + \left(\frac{48,000\times(R+5)\times2}{100}\right) = 96,000$
640R + 960R + 4,800 = 16,000
1600R + 4,800 = 16,000
R = 7%

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S74. Ans.(d)

Sol.

Let the selling price of pen be '7x' and the selling price of pencil be '4x'.

So, 7x – 4x = 9

x = 3

selling price of pen = 7x = Rs. 21

Selling price of pencil = 4x = Rs. 12

Marked price of pen = $21 \times \frac{10}{7}$ = Rs. 30

Marked price of pencil = $12 \times \frac{10}{6}$ = Rs. 20

S75. Ans.(a)

Sol.

Let SP of article A be '3x' and SP of article B be '4x'.

ATQ,

CP of article A = $3x \times \frac{2}{3}$ = 2x

CP of article B = $4x \times \frac{5}{6} = \frac{10x}{3}$

So, $\frac{10x}{3}$ = 2x + 100

$\frac{4x}{3}$ = 100

x = 75

hence, CP of article A = 2x = Rs.150

CP of article B = $\frac{10x}{3}$ = Rs. 250

SP of article A = 3x = Rs. 225

SP of article B = 4x = Rs. 300

Required profit percentage = $\frac{(300+225)-(150+250)}{(150+250)} \times 100$

$= \frac{525-400}{400} \times 100$

$= \frac{125}{400} \times 100$

$= 31\frac{1}{4}\%$

S76. Ans.(c)

Sol.

Let Mr. A's salary in 2013 be x.

So, x = 40,000 + 10,000 + 50,000 + 50,000 + 25% of x

x = 1,50,000 + $\frac{1}{4}x$

$\frac{3}{4}x$ = 1,50,000

x = 2,00,000

Required % = $\frac{40,000 + 10,000}{2,00,000} \times 100$

= 25%

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S77. Ans.(d)
Sol.

Savings in 2014 = $50,000 \times \frac{120}{100}$

= 60,000

Let the amount spent on Rent in 2013 be 2x and the amount spent on Rent in 2014 be 3x.

So, 2x = 40,000

x = 20,000

The amount spent on Rent in 2014 = 3x

= Rs. 60,000

Required Ratio = $\frac{10,000 + 50,000}{60,000}$

= 1 : 1

S78. Ans.(a)
Sol. ATQ,

Let total salary of 2015 be 'x'.

x = 72,000 + 17,000 + 20% of x + 55,000 + 64,000

x = 2,08,000 + $\frac{1}{5}x$

$\frac{4}{5}x$ = 2,08,000

x = 2,60,000

So, amount spent on cloth in 2015 = $\frac{20}{100} \times 260000$

= Rs. 52,000

Required difference = $\left(\frac{72,000 + 52,000 + 55,000}{3}\right) - \left(\frac{60,000 + 10,000 + 50,000}{3}\right)$

$= \frac{1,79,000}{3} - 40,000 = \frac{59,000}{3} = 19,666.67$

= Rs. 19,700 (approx.)

S79. Ans.(c)
Sol. Expense on Rent & Clothes in 2013 = 40,000 + 50,000 = Rs. 90,000

Required % = $\frac{90,000 - 64,000}{64,000} \times 100$

$= \frac{325}{8}\% = 40\frac{5}{8}\%$ more

S80. Ans.(e)
Sol.

Expense on transport in 2017 = $20,000 \times \frac{250}{100}$

= 50,000

Savings in 2017 = 5,50,000 − (1,00,000 + 50,000 + 60,000 + 61,000)

= 2,79,000

Total savings left at the end of 2017

= (50,000 + 60,000 + 64,000 + 67,000 + 2,79,000) − 5,00,000

= Rs. 20,000

S81. Ans.(d)
Sol.
Let initial number of packets= x

Rahul takes $= \frac{x}{2} + 1 = \frac{x+2}{2}$

Remaining $= x - \left(\frac{x+2}{2}\right) = \frac{x-2}{2}$

Arun takes $= \left(\frac{x-2}{2}\right) \times \frac{1}{2} + 1$

$= \left(\frac{x+2}{4}\right)$

Remaining $= \frac{x-2}{2} - \left(\frac{x+2}{4}\right)$

$= \frac{x-6}{4}$

ATQ,

$\frac{(x-6)}{4} = x \times \frac{20}{100} \Rightarrow \frac{x-6}{4} = \frac{x}{5}$

$\Rightarrow x = 30$

S82. Ans.(a)
Sol. From the statement I, we get that among A and B, who caught more catches that year.

S83. Ans.(e)
Sol.
From both the statements we can't get an unique answer.

Three factor of 48 may be

1) 4, 4, 3

2) 2, 3, 8

Etc

So, both the statements are not sufficient to get answer.

S84. Ans.(c)
Sol.
$2806 \rightarrow 1 \times 23 \times 2 \times 61$

x, y, z and u can be any of these in any order.

By observing both statements I & II, we can get that x is the largest

S85. Ans.(c)
Sol.
From (i) and (ii)

Let number of pages typed by first team be x.

Second team be y and by third team be z.

Then,

$y + z = 3x$ ...(i)

$x + z = 2y$ ...(ii)

from both equation,

$x : y : z \rightarrow 3 : 4 : 5$

both the statements are required.

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S86. Ans.(C)

Sol.

From I, Total profit = 54000

Time = 1 year

From II, we will get the ratio of investment of R, V and A= 3 : 4 : 2

Both the statements I & II taken together are necessary to answer

S87. Ans.(e)

Sol.

Let the original fraction be $\left(\frac{x_1}{y_1}\right)$ & other fraction be $\left(\frac{x_2}{y_2}\right)$

ATQ,

$$\frac{x_1 \times \frac{140}{100}}{y_1 \times \frac{150}{100}} = \frac{84}{100} \times \frac{x_2}{y_2}$$

$$\frac{x_1}{y_1} = \frac{84}{100} \times \frac{x_2}{y_2} \times \frac{1.5}{1.4}$$

$$\frac{x_1}{y_1} = \frac{9x_2}{10y_2}$$

$$\Rightarrow \frac{y_1}{x_1} = \frac{10y_2}{9x_2} \quad ....(i)$$

$$\frac{y_1}{x_1} + \frac{y_2}{x_2} = \frac{57}{25} \quad ...(ii)$$

Put value of (i) in (ii)

$$\frac{y_2}{x_2} = \frac{27}{25} \quad ...(iii)$$

Put value of (iii) in (i)

$$\frac{y_1}{x_1} = \frac{10}{9} \times \frac{27}{25} = \frac{6}{5}$$

$$\frac{x_1}{y_1} = \frac{5}{6}$$

So, original fraction would be $\left(\frac{5}{6}\right)$

S88. Ans.(d)

Sol.

ATQ,

$$\frac{7}{15} = \frac{\left(30 \times \frac{2}{5} + (x) \times \frac{1}{2}\right)}{30+x}$$

$$\frac{7}{15} = \frac{12 + \frac{x}{2}}{30+x}$$

$$\frac{7}{15} = \frac{\frac{24+x}{2}}{30+x}$$

$$\frac{7}{15} = \frac{24+x}{2(30+x)}$$

$$420 + 14x = 360 + 15x$$

$$x = 60\ell$$

S89. Ans.(b)

Sol.

Let the score of Batsman B is 'x' and the score of Batsman A is '45 + x'

ATQ,

$$\frac{x + 45}{x} = \frac{29}{20}$$

20x + 900 = 29x

x = 100

Score of Batsman B = x

= 100 runs

Score of Batsman A = x + 45

= 145 runs

Team's total = $\frac{(100 + 145)}{70} \times 100$

= 350 runs

Required % = $\frac{100}{350} \times 100$

$= \frac{200}{7}\%$

$= 28\frac{4}{7}\%$

S90. Ans.(a)

Sol. Ratio of A's efficiency to B's efficiency

= (100 + 100) : 100

= 200 : 100

= 2 : 1

⇒ Ratio of time taken by 'A' and 'B' alone to complete the work = 1 : 2

Let 'A' and 'B' can complete the work alone in x and 2x days.

⇒ 'C' can complete the work alone in $\frac{2x}{1.5} = \frac{4x}{3}$

ATQ,

$$\frac{4x}{3} - x = 6$$

⇒ x = 18

A, B and C alone can complete the work in 18, 36 and 24 days respectively.

Work done in one day by all three

$$= \frac{1}{18} + \frac{1}{36} + \frac{1}{24}$$

$$= \frac{4 + 2 + 3}{72}$$

$$= \frac{9}{72}$$

$$= \frac{1}{8}$$

⇒ A, B and C can complete the work together in 8 days

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S91. Ans.(d)
Sol.

Let total profit = 100x

A get 20% of total profit for managing business= 20x

Remaining profit is shared in the ratio of their profit sharing

= 8000 × 5 : 10,000 × 12

= 1 : 3

Remaining profit is divided between A and B in the ratio 1 : 3.

$\Rightarrow$ A's total profit = $20x + 80x \times \frac{1}{4}$

= 20x + 20x

= 40x

ATQ,
40x = 2500
$\Rightarrow$ Total profit = $100x = \frac{2500}{40} \times 100$
= 6250

S92. Ans.(c)
Sol.

Total balls=x+10

Probability of choosing 2 blue balls=$^xC_2 \div ^{x+10}C_2$ =0.125

ATQ,

$$\frac{x \times (x-1)}{(10+x) \times (9+x)} = \frac{125}{1000} = \frac{1}{8}$$

$8(x^2 - x) = (10 + x)(9 + x)$

$8x^2 - 8x = 90 + 9x + 10x + x^2$
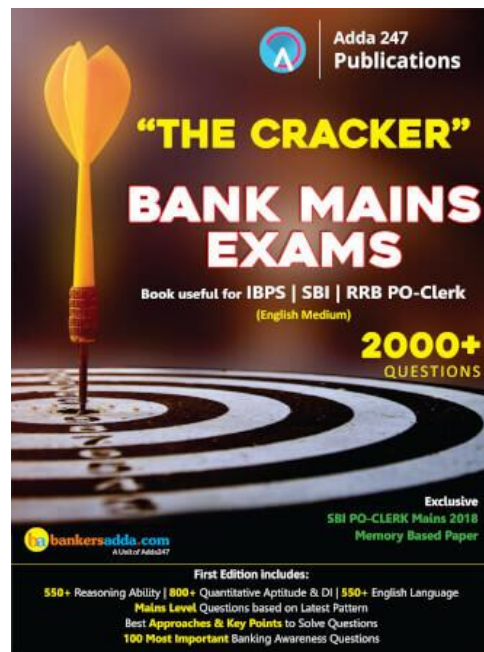
$7x^2 - 27x - 90 = 0$

$7x^2 - 42x + 15x - 90 = 0$

$7x(x - 6) + 15(x - 6) = 0$
$(7x + 15)(x - 6) = 0$
$x = 6, \dfrac{-15}{7}$
blue balls=x=6
Total number of balls in the box = 5 + 5 + 6 = 16

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S93. Ans.(c)
Sol.

Let speed of Sawan while going to Kanpur from Delhi = 8x km/hr
So, speed of Sawan when returning to Delhi from Kanpur = 7x km/hr
ATQ

$\frac{560}{7x} - \frac{560}{8x} = 2.5$

$\Rightarrow \frac{560}{x}\left(\frac{8-7}{56}\right) = 2.5$

x = 4

so, time required in whole journey = $\frac{560}{7\times4} + \frac{560}{8\times4}$ = 20 + 17.5 = 37.5 hours

S94. Ans.(a)
Sol.

Let total Unit of work is 60x unit
So,   1 days' work of A = 4x
 1 days' work of B = 3x
 1 days' work of C = 2x
Let C's share for work is Rs. y
ATQ,

A	B	C

$\frac{4}{3}$ (6000+y)   +   (6000+y)   + y   = 18000

$\Rightarrow$ y = 1200

So, A's share of Income = 9600
B's share of Income = 7200
C's share of Income = 1200
So ratio of work completed by A, B and C is 8 : 6 : 1
So, time for which A worked = $\frac{60x\times8}{15\times4x}$ = 8 days

S95. Ans.(b)
Sol.

Let Mitra and Mohit's investment be 4x and 11x respectively.
Maya's investment=11x × $\frac{12}{11}$=12x
Ratio of their investment=4 :11: 12

	Mitra	Mohit	Maya
Investment	4	11	12
	×	×	×
Time	12	12	6
Profit Ratio	48	132	72

Ratio of profit share
Mitra : Mohit : Maya = 4 : 11 : 6
Now profit of Mitra and Maya together = Rs. 37560
So, difference between profit share of Mohit and Maya = $\frac{37560}{(4+6)} \times (11-6) = Rs\ 18780$

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S96. Ans.(c)
Sol.

We will solve by this type in each question

Let X type car produced in 2011 = x

$\Rightarrow$ Y type car produced in 2011 = 1.25x

ATQ,

x + 1.25x = 720

$\Rightarrow$ x = 320

Y type car produced in 2011 = 1.25 × 320 = 400

In Short

In 2011

100 + 125 → 720

$\Rightarrow 125 \rightarrow \frac{720}{225} \times 125 = 400$

Y type car produced in 2011 = 1.25 × 320 = 400

In 2012

100 + 140 → 960

$\Rightarrow 140 \rightarrow \frac{960}{240} \times 140 = 560$

In 2014

100 + 110 → 1260

$\Rightarrow 110 \rightarrow \frac{1260}{210} \times 110 = 660$

In 2016

100 + 135 → 940

$\Rightarrow 135 \rightarrow \frac{940}{235} \times 135 = 540$

Total Y type car produced in 2011 and 2012 together = 400 + 560 = 960
Total Y type car produced in 2014 and 2016 together = 660 + 540 = 1200
Required % = $\frac{960}{1200} \times 100 = 80\%$

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S97. Ans.(d)
Sol.

We will solve by this type in each question

Let X type car produced in 2011 = x

$\Rightarrow$ Y type car produced in 2011 = 1.25x

ATQ,

x + 1.25x = 720

$\Rightarrow$ x = 320

Y type car produced in 2011 = 1.25 × 320 = 400

In Short

In 2011

$100 + 125 \rightarrow 720$

$\Rightarrow 125 \rightarrow \frac{720}{225} \times 125 = 400$

In 2011

$100 + 125 \rightarrow 720$

$\Rightarrow 100 \rightarrow \frac{720}{225} \times 100 = 320$

In 2012

$100 + 140 \rightarrow 960$

$\Rightarrow 100 \rightarrow \frac{960}{240} \times 100 = 400$

In 2013

$100 + 150 \rightarrow 1100$

$\Rightarrow 100 \rightarrow \frac{1100}{250} \times 100 = 440$

In 2015

$100 + 140 \rightarrow 1320$

$\Rightarrow 100 \rightarrow \frac{1320}{240} \times 100 = 550$

Required ratio $= \frac{320 + 400}{440 + 550} = \frac{720}{990} = \frac{8}{11}$

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S98. Ans.(b)

Sol. We will solve by this type in each question

Let X type car produced in 2011 = x

$\Rightarrow$ Y type car produced in 2011 = 1.25x

ATQ,

x + 1.25x = 720

$\Rightarrow$ x = 320

Y type car produced in 2011 = 1.25 × 320 = 400

In Short

In 2011

100 + 125 → 720

$\Rightarrow 125 \to \frac{720}{225} \times 125 = 400$

In 2016,

Let X type car produced = x

$\Rightarrow$ Y type car produced = 1.35x

ATQ,

x + 1.35x = 940

$\Rightarrow x = \frac{940}{2.35} = 400$

1.35x = 540

Total cars produced in 2017

$= 940 \times \frac{135}{100} = 1269$

X type car produced in 2017

$= 400 \times \frac{162}{100}$

$= 648$

Y type car produced in 2017

= 1269 − 648

= 621

Required % $= \frac{621-540}{540} \times 100$

$= \frac{81}{540} \times 100 = 15\%$

S99. Ans.(e)
Sol. We will solve by this type in each question
Let X type car produced in 2011 = x
$\Rightarrow$ Y type car produced in 2011 = 1.25x
ATQ,
x + 1.25x = 720
$\Rightarrow$ x = 320
Y type car produced in 2011 = 1.25 × 320 = 400
In Short
In 2011
$100 + 125 \rightarrow 720$
$\Rightarrow 125 \rightarrow \frac{720}{225} \times 125 = 400$

In 2011

$\Rightarrow 100 + 125 \rightarrow 720$

$\Rightarrow 125 \rightarrow \frac{720}{225} \times 125 = 400$

In 2013

$\Rightarrow 100 + 150 \rightarrow 1100$

$\Rightarrow 150 \rightarrow \frac{1100}{250} \times 150 = 660$

In 2015

$100 + 140 \rightarrow 1320$

$\Rightarrow 140 \rightarrow \frac{1320}{240} \times 140 = 770$

Required average $= \frac{400+660+770}{3} = \frac{1830}{3} = 610$

S100. Ans.(b)
Sol. We will solve by this type in each question
Let X type car produced in 2011 = x
$\Rightarrow$ Y type car produced in 2011 = 1.25x
ATQ,
x + 1.25x = 720
$\Rightarrow$ x = 320
Y type car produced in 2011 = 1.25 × 320 = 400
In Short
In 2011
$100 + 125 \rightarrow 720$
$\Rightarrow 125 \rightarrow \frac{720}{225} \times 125 = 400$

In 2012

$100 + 140 \to 960$

$\Rightarrow 140 \to \dfrac{960}{240} \times 140 = 560$

In 2014

$100 + 110 \to 1260$

$\Rightarrow 110 \to \dfrac{1260}{210} \times 110 = 660$

Non-defective Y type cars produced in 2012 and 2014 together

$= 560 \times \dfrac{80}{100} + 660 \times \dfrac{70}{100}$

$= 448 + 462 = 910$

S101. Ans.(d)
Sol. Refer the first paragraph of the passage, "You're living in, dare I say, a creative phase of politics. Rich in ideas and arguments, intense in its interplay of passions, nuanced in its undertones of morality and ethics, and ambitious in its pursuit of freedom, politics today, as a genre in creativity, is as good as the original works in other realms of the human mind, be it fiction or philosophy." So only statements (I) and (III) explain what author meant to convey with the help of the given phrase. Hence (d) is the correct option.

S102. Ans.(c)
Sol. Refer the last paragraph of the passage, "'Outsider' has already become a worn-out word, and most totemic outsiders are today insiders…….. The outsider, the undisputed protagonist of the political drama, is born from the rotten remains of politics as usual." Statements (I) and (II) can be easily inferred from these sentences while statement (III) is vague as there is no mention of beliefs in cultural purity by the outsider in any part of the passage. Hence only statements (I) and (II) describe the concept of "outsider" in modern politics in context of the passage.

S103. Ans.(c)
Sol. Refer the first sentence of the second paragraph, "A sign of the times could be the profusion of political titles in publishing. They are mostly built on the themes of populism, outsiderhood, globalisation and resentment." Thus the establishment of modern political titles is based on themes mention in statements (I) and (II). It is to be noted that both the themes "Resentment" and "Antagonism" almost mean the same. Hence (c) is the correct choice.

S104. Ans.(a)
Sol. Read the fourth paragraph carefully, it is clearly mentioned that how politics has evolved over time, the modern politics has no significance in comparison to the old and historical one. Today politics has its own ideologies which are marked as ordinary by the author. Hence only option (a) summarizes the paragraph appropriately and explains its context briefly and precisely.

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S105. Ans.(b)
Sol. Refer the last paragraph of the passage, "He is a rejoinder to the three big 'E's that cause resentment: Establishment, Entrenchment and Entitlement." Thus, only statement (II) is correct in context of the passage which can be considered to be the cause of the resentment to the modern politics. Hence (b) is the correct option.

S106. Ans.(b)
Sol. Refer the third paragraph of the passage, "Elsewhere, in a vassal state, revolution earned an adjective as romantic as 'velvet', and in the vanguard of its freedom struggle were writers and singers. In the end, the philosopher would be king. It was a time when an idea that promised man an alternative more liberating than religion proved to be history's biggest ghost story." Hence only option (b) explains the meaning of the ghost story as mentioned in the passage.

S107. Ans.(e)
Sol. Legion means a vast number of people or things. **Throng** means a large, densely packed crowd of people or animals. Hence both are similar in meanings.
Conclave means a private meeting.

S108. Ans.(b)
Sol. Read the first paragraph of the passage carefully. Except option (IV), all are true regarding the meaning of "Formal dispute settlement at the WTO is a last-resort option".

S109. Ans.(e)
Sol. It does not require any approval. For reference, read the second paragraph of the passage.

S110. Ans.(c)
Sol. Only options I, II and III are correct. Refer the third sentence onwards of the third paragraph of the passage.

S111. Ans.(a)
Sol. Refer the second sentence of the second-last paragraph of the passage, "If a country is found to be at fault with the rules, it is expected to promptly correct the measure at issue." Hence option (a) is correct.

S112. Ans.(d)
Sol. For option III, Refer the first sentence of the seventh paragraph. For option IV, Refer the fifth sentence of the second-last paragraph. Option II is wrong in that mediation etc. part is not independent of consultations (Refer fourth paragraph).

S113. Ans.(d)
Sol. Option (d) matches the given figures correctly.

S114. Ans.(e)
Sol. Subsequent means coming after something in time; following hence **ensue** is the word most similar in meaning.

S115. Ans.(e)
Sol. Profound means (of a state, quality, or emotion) very great or intense hence **fervent** is the word most similar in meaning.

S116. Ans.(a)
Sol. *Statement (A) and (B)* can be joined together using the subordinating clause ***"So that".*** *'So that' is used as a subordinate clause to show purpose or to give an explanation. It is used to show an action producing an intended result or a cause producing an effect.* Both the sentences are in the similar context and sentence (B) is intended outcome of statement (A), Therefore the statement thus formed is ***"The prison service should try to rehabilitate and improve the quality of life of prisoners so that they can lead normal lives when they leave prison."*** Hence, option (a) is the most viable answer choice.

S117. Ans.(b)
Sol. *Option (b)* is the correct choice. ***Statements (A) and (C)*** can be joined together using the preposition "alongside". ***'Alongside'*** is a preposition*, which* means *close to the side of; next to*. Thus, the sentence then formed using statements (A) and (C) is "***Scientists at the Massachusetts Institute of Technology (MIT) Computer Science and Artificial Laboratory (CSAIL) have created a soft, robotic fish that can swim on its own alongside other fish in the ocean to get an up close and personal look for scientists."*** The other statements fail to be combined using the conjunction "alongside".

S118. Ans.(c)
Sol. *Option (c*) is the correct choice. ***Statement (A) and (D)*** can be linked together using the phrasal conjunction "Nonetheless". The conjunction ***"Nonetheless*"** means *'although; in spite of the fact that'.* The sentence thus formed is "***The Facebook founder and CEO Zuckerberg claimed not to be familiar with shadow profiles, nonetheless, he has confirmed and accepted that his company collects information on nonusers.*"** Other given statements couldn't be joined together using "nonetheless" as they fail to form a coherent sentence.

S119. Ans.(c)
Sol. Option (c) is the correct answer choice. ***Statement (B) and (D)*** can be linked together to form a coherent sentence using the phrasal conjunction 'even though'. ***"Even though"*** is used to express despite the fact that. Therefore, the sentence thus formed is ***"Even though my mom was talented and had a college degree, she lived in the era when the conventional wisdom in Dallas was that my dad worked, she was supposed to stay home and take care of the kids, and nothing more."*** All the other statements cannot be combined to form a meaningful sentence.

S120. Ans.(d)
Sol. *Option (d)* is the correct choice. ***Statements (A) and (D)*** along with ***statements (B) and (C)*** can be joined together using the conjunction "Lest". "***Lest"*** means *(after a clause indicating fear) because of the possibility of something undesirable happening; in case. Clauses introduced by "lest" are similar to purpose clauses. "Lest" means "for fear that" and is followed by should + infinitive*. Therefore, the sentences thus formed are Firstly, "***Anna could not keep back her tears, while confronting the chief investigating officer and the chief cause of her pain seemed to be the fear lest people should doubt her truthfulness."*** Secondly, "***You shouldn't steal from someone else's car on federal property lest you want to face a potentially lengthy federal prison sentence"***. No other combinations provide a coherent sentence.

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S121. Ans.(a)

Sol. "*wonder/ponder*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar meaning to the sentence which is contextually meaningful. Hence option (a) is the most appropriate choice.

Wonder means desire to know something; feel curious.

Ponder means think about (something) carefully, especially before making a decision or reaching a conclusion.

Idolize means admire, revere, or love greatly or excessively.

Distract means prevent (someone) from concentrating on something.

S122. Ans.(c)

Sol. "*increasing/refreshing*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (c) is the correct choice.

Distress means extreme anxiety, sorrow, or pain.

Crumble means break or fall apart into small fragments, especially as part of a process of deterioration.

Fatigue means cause (someone) to feel exhausted.

S123. Ans.(b)

Sol. "*tackle/address*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (b) is the correct choice.

Tackle means make determined efforts to deal with (a problem or difficult task).

Venture means undertake a risky or daring journey or course of action.

Materialize means become actual fact; happen.

Contrive means create or bring about (an object or a situation) by deliberate use of skill and artifice.

S124. Ans.(d)

Sol. "*consequential/significant*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (d) is the correct choice.

Consequential means important; significant.

Deliberate means done consciously and intentionally.

S125. Ans.(a)

Sol. "trail/movement" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (a) is the correct choice.

Trail means a mark or a series of signs or objects left behind by the passage of someone or something.

Scope means the extent of the area or subject matter that something deals with or to which it is relevant.

Aftermath means the consequences or after-effects of a significant unpleasant event.

Dangle means hang or swing loosely.

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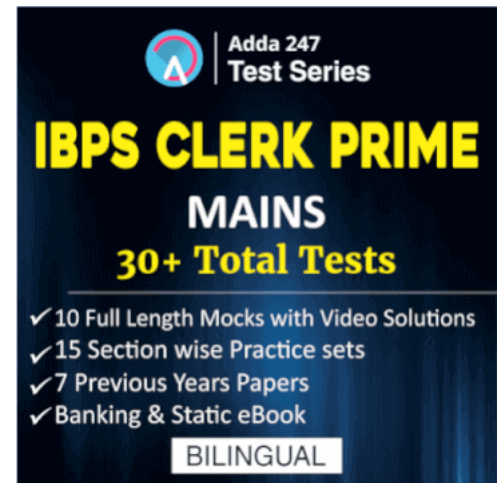
S126. Ans.(c)
Sol. "*fighting/contesting*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (c) is the correct choice.
Breach means an act of breaking or failing to observe a law, agreement, or code of conduct.
Fray means (of a fabric, rope, or cord) unravel or become worn at the edge, typically through constant rubbing.
Broil means become very hot, especially from the sun.
Withstand means remain undamaged or unaffected by; resist.

S127. Ans.(e)
Sol. "*discard/scrap*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (e) is the correct choice.
Discard means get rid of (someone or something) as no longer useful or desirable.
Scrap means discard or remove from service.
Uphold means confirm or support (something which has been questioned).
Take in means deceive.
Flake out means leave behind, relinquish.

S128. Ans.(b)
Sol. "*straitjacket/barrier*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (b) is the correct choice.
Straitjacket means a severe restriction on freedom of action, development, or expression.
Impediment means a hindrance or obstruction in doing something.
Deprivation means the lack, or denial of something considered to be a necessity.

S129. Ans.(a)
Sol. "*responsive/amenable*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (a) is the correct choice.
Responsive means reacting quickly and positively.
Amenable means open and responsive to suggestion; easily persuaded or controlled.
Impassive means not feeling or showing emotion.
Complying means acting in accordance with a wish or command.

S130. Ans.(d)
Sol. "*reconcile/resolve*" is the correct set of words that fits perfectly into the provided space. Moreover, both these words give the similar and contextual meaning to the sentence. Hence option (d) is the correct choice.
Incite means encourage or stir up (violent or unlawful behaviour).
Disperse means distribute or spread over a wide area.
Reconcile means settle (a quarrel).
Modify means make partial or minor changes to (something).

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S131. Ans.(d)
Sol. (d) is the correct answer as the North Korean leader has pledged in both (I) and (II) about his intention of denuclearisation.
(III) cannot be the answer as it is not about pledge of denuclearisation of North Korea instead it is talking about the conditions required for denuclearization and North Korea's past blunders.

S132. Ans.(b)
Sol. (II) is the answer of Q2 as it narrates the hard work and dedication Vinesh Phogat has to go through to recover from injury.
(I) cannot be the answer as it tells about the injury but not about how Vinesh recovered from it.
(III) cannot be the answer as it tells about her personality, her fighting spirit but not about how Vinesh recovered from the injury.

S133. Ans.(a)
Sol. (I) and (III) both talk about Dubai's sandy landscape while (II) talks about Dubai Creek which is a narrow, sheltered waterway, especially an inlet in a shoreline or channel in a marsh therefore only (I) and (III) can be our answer and (II) cannot.

S134. Ans.(d)
Sol. All (I), (II) and (III) show how an engine with more number of cylinder can have more power in comparison to another engine of same size but with lesser number of cylinders.

S135. Ans.(b)
Sol. only (III) statement talks about India taking on China.
(I)talks about foreign countries reluctant relations with China.
(II) talks about India's lack of funding for military modernization.

S136. Ans.(d)
Sol. Both the sentences (II) and (III) are grammatically and contextually correct. However, there is an error in the first sentence; It is to be noted that in this case the subject is singular **[The science of course]** therefore, the plural verb "*play*" should be replaced by its singular "*plays*" to comply with the subject-verb agreement. Hence option (d) is the correct choice.

S137. Ans.(e)
Sol. All the given sentences are both grammatically correct and contextually meaningful. Hence option (e) is the correct choice.

S138. Ans.(c)
Sol. Both the sentences (I) and (II) are grammatically and contextually correct. However, the third statement carries a grammatical mistake; the conjunction "*but*" should be removed as it is superfluous to the sentence. It is to be noted that the sentence is already connected by another conjunction "*though*" which means *despite the fact that; although*. So, the use of another conjunction in the same context is incorrect. Hence option (c) is the correct choice.

S139. Ans.(a)
Sol. Only the first sentence is grammatically correct. There are errors in both the second and the third statements. In the second case, the noun '***territory***" should be replaced by the adjective "***territorial***" to make the sentence grammatically correct. In the third statement, the plural subject "***views***" should be replaced by its singular "***view***" to follow the rule of subject-verb agreement. Hence option (a) is the correct choice.

S140. Ans.(e)
Sol. All the given sentences are both grammatically correct and contextually meaningful. Hence option (e) is the correct choice.

S141. Ans.(a)
Sol. The correct sequence of sentences after the rearrangement is **FDCAEB.** Hence, the correct answer choice is option (a).

S142. Ans.(b)
Sol. The correct sequence of sentences after the rearrangement is **FDCAEB**. Hence, the correct answer choice is option (b).

S143. Ans.(e)
Sol. The correct sequence of sentences after the rearrangement is **FDCAEB**. Hence, the correct answer choice is option (e).

S144. Ans.(d)
Sol. The correct sequence of sentences after the rearrangement is **FDCAEB**. Hence, the correct answer choice is option (d).

S145. Ans.(c)
Sol. The correct sequence of sentences after the rearrangement is **FDCAEB**. Hence, the correct answer choice is option (d).

S146. Ans.(a)
Sol. *Option (a)* is the correct choice. *The paragraph is describing about various stages of life forms. The loss or death or destruction is a part of life and will occur inevitably*. Thus, the next sentence that shall complete the paragraph should further elaborate to conclude the thought on the death and destruction. Except for option (a) all the other statements fail to adhere the theme of the paragraph. Therefore, the paragraph can be completed using the statement "***Death and destruction can never be "avenged***"."

S147. Ans.(d)
Sol. *Option (d)* is the most suitable choice. *The paragraph is describing about the floodplains and the water accumulated in rivers. The sentence before the blank has described about the water accumulated in Himalayan rivers*. The next sentence that should provide coherence to the paragraph must describe about the way through which this water is collected. This is mentioned only in option (d) ***[Since recharge is by rainfall and during late floods, the water quality is good].*** All the other given options cannot be interlinked with the paragraph and are befitting to the blank provided.

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S148. Ans.(a)
Sol. The given paragraph is about the role of AI and internet-based learning software in the field of teaching. Read the sentences prior to the blank space, it cites certain protocols which can make the medium of teaching quite easier. Among the given options, only sentence (a) fits perfectly into the theme of the paragraph. Other sentences given as options are unsuitable and irrelevant in the context of the paragraph. Hence option (a) is the correct choice.

S149. Ans.(c)
Sol. The first line of the paragraph itself generates the theme of the paragraph. Read the sentence just following the blank space, it talks about the existence of cultural anxieties in politics. Thus, the sentence which can fill up the blank coherently is option (c). Other statements given as options are irrelevant to the given blank as they all are out of the context. Hence option (c) is the correct choice.

S150. Ans.(e)
Sol. The given paragraph is about the policies and terms and conditions related to the crop insurance. Read the sentences prior to the blank space, it mentions that there is catch 22 situations between the farmer and the insurance company. Among the given options, only statement (e) gives the befitting conclusion to the paragraph. Other options, though sound similar to the theme of the paragraph, cannot be the used as an appropriate conclusion. Hence option (e) is the correct choice.

S151. Ans.(d)
Sol. India and Malawi have signed three MoUs on Extradition Treaty, cooperation in the field of Atomic Energy for peaceful purposes and VISA Waiver for Diplomatic and Official Passports. The MoU was signed during Vice President Venkaiah Naidu visit in Malawi. India will also extend a new Line of credit of 215 million US dollars to Malawi for 18 water projects.

S152. Ans.(b)
Sol. Uzbekistan's businessman Gafur Rakhimov was elected president of the International Boxing Association (AIBA) despite fears that his appointment could lead to the sport's ejection from the Olympic Games.

S153. Ans.(b)
Sol. The 18th Indian Ocean Rim Association (IORA) Council of Ministers Meeting was held in Durban, South Africa. Gen.(Dr.) VK Singh (Retd.), Minister of State for External Affairs, attended the IORA Council of Ministers Meeting.

S154. Ans.(b)
Sol. Galileo is the global satellite navigation system of European Union.

S155. Ans.(b)
Sol. In a first for India, HSBC Holdings Plc has executed a trade finance transaction using blockchain for an export by Reliance Industries Ltd (RIL) to US-based Tricon Energy. The blockchain-enabled letter of credit (LC) transaction substantially reduced the time taken for such deals.

S156. Ans.(c)

Sol. Delhi Chief Minister Arvind Kejriwal inaugurated Delhi's Signature Bridge, the first asymmetrical cable-stayed bridge in India. The bridge was constructed by the Delhi Tourism and Transport Development Corporation (DTTDC) at an expenditure of Rs 1,518.37 crore. The 675-metre bridge aims to reduce travel time and traffic congestion between the north-eastern and northern parts of Delhi.

S157. Ans.(b)

Sol. India and Singapore have started the 25th edition of SIMBEX (Singapore-India Maritime Bilateral Exercise) off Andaman Sea and Bay of Bengal. According to the Defence Ministry, SIMBEX 2018 will be the "largest since 1994 in terms of scale and complexity".

S158. Ans.(d)

Sol. Odisha government has launched a new initiative named 'Mo Bus' services in the Bhubaneshwar ahead of the Men's Hockey World Cup. The service will be launched as a part of state government-owned Capital Region Urban Transport's (CRUT) 'City Bus Modernization' programme. The services will be launched for the residents of Bhubaneswar, Cuttack and Puri.
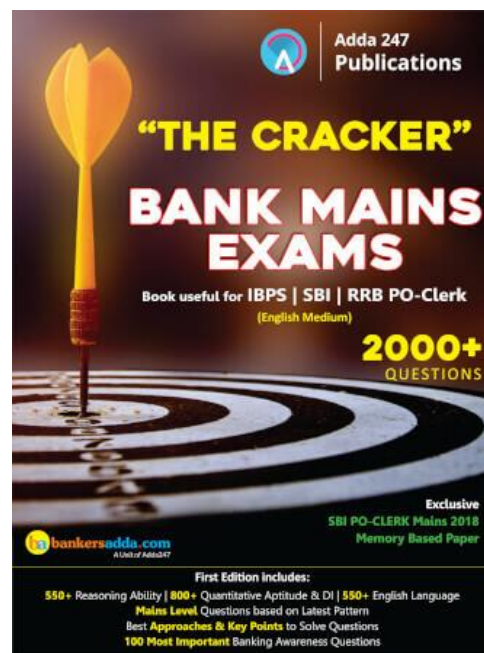
S159. Ans.(b)

Sol. The Reserve Bank of India has initiated the process to set up a digital Public Credit Registry (PCR) to capture all the details of borrowers, including wilful defaulters and also the pending legal suits in order to check financial delinquencies. The public credit registry will also include data from entities like market regulator SEBI, the corporate affairs ministry, Goods and Service Tax Network and the Insolvency and Bankruptcy Board of India to enable the banks and financial institutions to get a 360-degree profile of existing and prospective borrowers on a real-time basis.

S160. Ans.(a)

Sol. United Nations World Food Programme (WFP) and Chinese e-commerce giant Alibaba Group have formed a strategic partnership to support efforts eliminate hunger globally by 2030. The agreement was signed between WFP Executive Director David Beasley and Alibaba Partner and Chairman of Alibaba Foundation Sun Lijun at Alibaba's headquarters in Hangzhou, China.

S161. Ans.(c)

Sol. DCB Bank, a new-generation private sector bank, has announced the launch of mVisa, a mobile-based payment solution that will make payments at retail outlets much easier. Customers can pay now through their smartphones by scanning the unique Quick Response (QR) code at the retail outlet. DCB Bank based in Mumbai, Maharashtra.

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S162. Ans.(d)
Sol. The Women's Boxing World Championships, to be hosted by India after more than a decade, will be held from November 15-24, 2018, in New Delhi. The teams will have to be in the national capital by November 13, with the competition starting two days later.

S163. Ans.(a)
Sol. Defence Research and Development Organization (DRDO) successfully flight tested the indigenously developed surface-to-surface tactical missile 'Prahar', from Launch Complex-III, ITR, Balasore, Odisha.

S164. Ans.(d)
Sol. A unique innovation to board base Digital Banking Yes Bank has launched SIMsePAY, a unique innovation that allows any account holder to do money transfers, pay utility bills and other mobile banking services, without the need for smart phones or internet. The offering is based on a frugal 'sim-sleeve' technology, in association with Taisys Technologies, who holds global patents for the same and has implemented the same success in other countries including Kenya and China.

S165. Ans.(b)
Sol. India's first 'smart fence' pilot project was inaugurated by Union Home Minister Rajnath Singh along the Indo-Pak border at the BSF Headquarters in Ploura, Jammu.

S166. Ans.(b)
Sol. The Bharat Sanchar Nigam Limited (BSNL) has launched a prepaid mobile wallet "MobiCash" in association with the State bank of India. Users can make bank transactions and bill payments in a fast and easier manner with the wallet, which works both in smart and feature phones.

S167. Ans.(b)
Sol. Carolina Marin won the women's Singles Japan Open 2018 title. Nozomi Okuhara as runner up.

S168. Ans.(e)
Sol. Private sector RBL Bank has launched 'Aadhaar Payment Bridge System' (APBS) for small ticket micro-finance loan disbursements.

S169. Ans.(c)
Sol. Rupee-denominated bonds, popularly referred to as masala bonds.

S170. Ans.(c)
Sol. EazyPay app for Merchants by ICICI Bank, India's largest private sector bank has launched EazyPay mobile application for merchants that allows all-in-one acceptance payments platform.

S171. Ans.(b)
Sol. A new software, 'Nidaan', has been launched in Rajasthan for presumptive diagnosis and monitoring of seasonal and non-communicable diseases as well as the trends of ailments found in specific areas. It is expected to help in formulation of specific action plans for control of diseases.

S172. Ans.(d)

S173. Ans.(e)
Sol. In another digitalization initiative, Punjab National Bank (PNB) has launched a Contactless Credit Card. This new credit card, which has been named PNB Wave N Pay --Contactless Card. This card could be used by just waving it across the terminal and the transaction will be through. There is no need to enter any PIN for transactions up to Rs 2,000.

S174. Ans.(b)
Sol. Open Added Money Market Scheme was firstly introduced by IDBI Mutual Fund.

S175. Ans.(d)
Sol. HDFC Bank has launched a chatbot called OnChat on Facebook Messenger, that allows users to recharge phones, pay utility bills and book cabs.

S176. Ans.(b)
Sol. Anandiben Patel is the present Governor of Chhattisgarh.

S177. Ans.(a)
Sol. England's highest Test run-scorer Alastair Cook announced his retirement from International cricket after final Test against India. He has scored 12,254 runs and made 32 centuries in 160 Tests all England records.

S178. Ans.(d)
Sol. Established in 1927, FICCI is the largest and oldest apex business organization in India. Its history is closely interwoven with India's struggle for independence, its industrialization, and its emergence as one of the most rapidly growing global economies.

S179. Ans.(b)
Sol. The 106th Indian Science Congress (ISC-2019) will be held at Lovely Professional University (LPU) in Jalandhar, Punjab in January 2019. The theme of the 5-day science congress is 'Future India: Science & Technology'.

S180. Ans.(b)
Sol. Small Industries Development Bank of India (SIDBI), set up on April 2, 1990 under an Act of Indian Parliament, acts as the Principal Financial Institution for the Promotion, Financing and Development of the Micro, Small and Medium Enterprise (MSME) sector and for Co-ordination of the functions of the institutions engaged in similar activities.

S181. Ans.(c)

S182. Ans.(d)
Sol. The Union Government has constituted a 21-member science and technology council to advise Prime Minister Narendra Modi on matters related to science, technology and innovations. The council will be headed by K Vijay Raghavan, the principal scientific adviser to the Union Government.

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S183. Ans.(c)
Sol. The Telecom Regulatory Authority of India (TRAI) was, thus, established with effect from 20th February 1997 by an Act of Parliament, called the Telecom Regulatory Authority of India Act, 1997, to regulate telecom services, including fixation/revision of tariffs for telecom services which were earlier vested in the Central Government.

S184. Ans.(b)
Sol. July 28 marks World Hepatitis Day 2018, organized by the World Health Organization (WHO) to raise awareness of the disease and focus on how it can be treated, and eliminated. The theme for World Hepatitis Day was "Test. Treat. Hepatitis".

S185. Ans.(c)
Sol. Former IAS officer Subhash Chandra Khuntia is the new chairman of the Insurance Regulatory and Development Authority of India (IRDAI).

S186. Ans.(c)
Sol. Vietnamese President Tran Dai Quang died aged 61 at a military hospital in the capital Hanoi following a period of illness.

S187. Ans.(a)
Sol. PepsiCo's India-born CEO Indra Nooyi will be honored with the Game Changer of the Year award by a global cultural organization Asia Society in recognition of her business achievements, humanitarian record and advocacy for women and girls around the world.

S188. Ans.(a)
Sol. Axis bank has become the first bank in the country to introduce Iris Scan Authentication feature for Aadhaar -based transactions through its micro ATM tablets.

S189. Ans.(d)
Sol. Senior bureaucrat S Ramesh has been appointed as chairman of the Central Board of Indirect Taxes and Customs (CBIC), the apex policy-making body for indirect taxes. He succeeded Vanaja N Sarna.

S190. Ans.(c)
Sol. More women can expect freedom from hazardous kitchen smoke as the government has proposed to expand its free cooking gas programme to 8 crore poor families from 5 crore earlier.

S191. Ans.(c)
Sol. Cuba Capital- Havana, Currency- Cuban Peso, President-Miguel Diaz-Canel Bermudez.

S192. Ans.(b)
Sol. Coimbatore is a major city in the Indian state of Tamil Nadu. It is located on the banks of the Noyyal River.

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S193. Ans.(d)
Sol. Indira sagar dam built on the Narmada river with a height of 92m. is concrete gravity dam, located in Khandwa district of Madhya Pradesh.

S194. Ans.(b)
Sol. ICICI Bank took technology one step further with the launch of its first mobile automated teller machine (ATM). The bank got the Reserve Bank of India (RBI) approval for the mobile ATM.

S195. Ans.(b)
Sol. Deutsche Bank AG is a German global banking and financial services company, with its headquarters in the Deutsche Bank Twin Towers in Frankfurt. Deutsche Bank was founded in Berlin in 1870 as a specialist bank for foreign trade.

S196. Ans.(e)
Sol. Mukurthi National Park (MNP) is a protected area located in the western corner of the Nilgiris Plateau west of Ootacamund hill station in the northwest corner of Tamil Nadu state in the Western Ghats mountain range of South India

S197. Ans.(c)
Sol. Jharsuguda Thermal Power Plant, in the Jharsuguda district of Odisha, is currently the tenth largest thermal power plant operating in India. It is a 2400MW coal-fired power plant owned and operated by Sterlite Energy, a 100% subsidiary of Vedanta Resources.

S198. Ans.(a)

S199. Ans.(d)
Sol. Music Day is a connected set of free public events which takes place each year on the 21st June, our midsummer. Each year there are events in over 120 countries and 700 cities around the world, not including France where there were too many events to count!

S200. Ans.(a)
Sol. Pankaj adwani is a noted snooker player.

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