

# BOOKS



The grid displays 48 book covers, organized as follows:

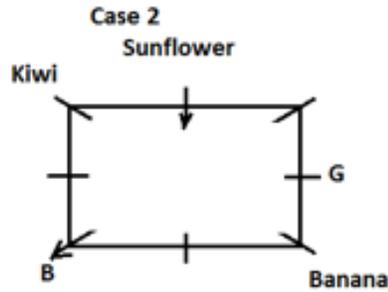
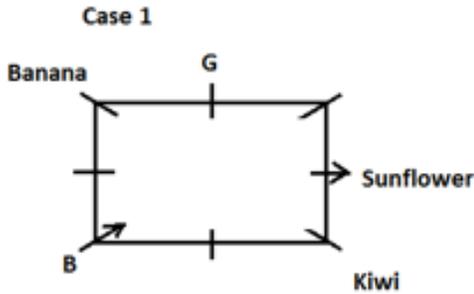
- Row 1:** "THE CRACKER" PRACTICE BOOK FOR GEOMETRY (800+ Questions); 100 SSC CGL (10,000+ Questions); "THE CRACKER" PRACTICE BOOK FOR MENSURATION (850+ Questions); 20+ SSC CGL TIER-II / MAINS 2015-18 (3100 Questions); Ace SSC ARITHMETIC; Ace SSC ADVANCED MATHS.
- Row 2:** Ace SSC GENERAL INTELLIGENCE & REASONING; Ace SSC ENGLISH LANGUAGE & COMPREHENSION BOOK; Ace SSC GENERAL AWARENESS; 15+ INSURANCE EXAMS PREVIOUS YEARS' PAPER 2016-2018 (1800+ Questions); 25+ BANK PO & CLERK PRELIMS PREVIOUS YEARS' PAPERS BOOK (2400+ Questions); 15+ BANK PO | CLERK MAINS PREVIOUS YEARS' PAPERS (2000+ Questions).
- Row 3:** "THE CRACKER" BANK MAINS EXAMS (2000+ Questions); 20+ IBPS PO/CWE-VIII; 20+ IBPS PO PRELIMS 2018 MOCK PAPER (2200 Questions); 20+ IBPS CLERK CWE-VIII; 50+ BANK PO & CLERK 2016-18 (6800+ Questions); A COMPLETE BOOK OF PUZZLE & SEATING ARRANGEMENT (2500+ Questions); A COMPLETE BOOK OF DATA INTERPRETATION & ANALYSIS (2000+ Questions).
- Row 4:** Ace IT OFFICER Professional Knowledge; A Guide to Crack BANK EXAMS INTERVIEWS (JOB INTERVIEW); Ace BANKING & STATIC AWARENESS; Ace REASONING; Ace QUANT; Ace ENGLISH.

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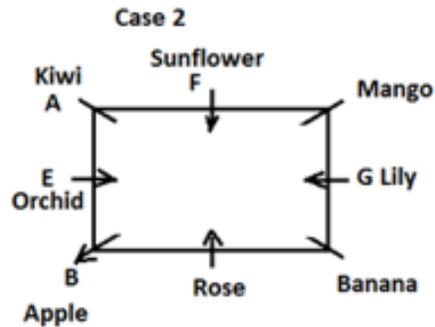
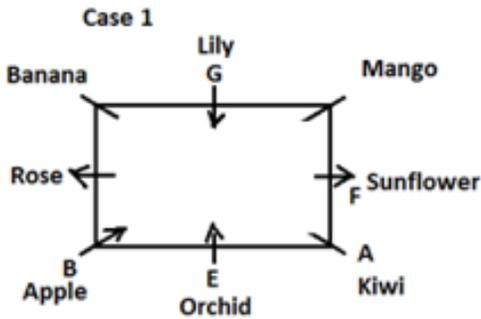
## IBPS RRB PO Mains Maha Mock - 1 (Solutions)

### S1. Ans.(a)

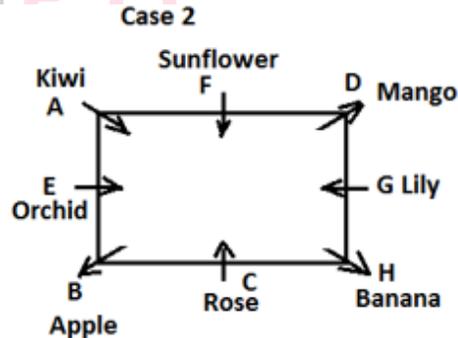
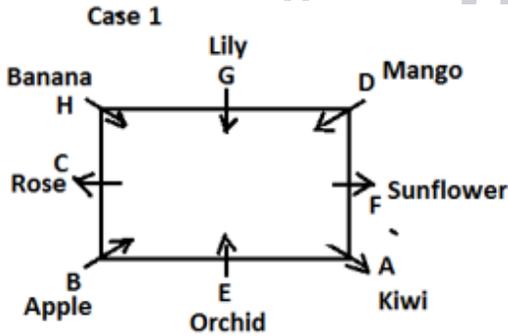
**Sol.** The one who like sunflower sits third to the right of B. G sits second to the left of the one who likes sunflower. G is not the immediate neighbour of B. The one who likes Banana is an immediate neighbour of G. Three person sits between the one who likes Banana and the one who likes Kiwi. B does not like Kiwi.



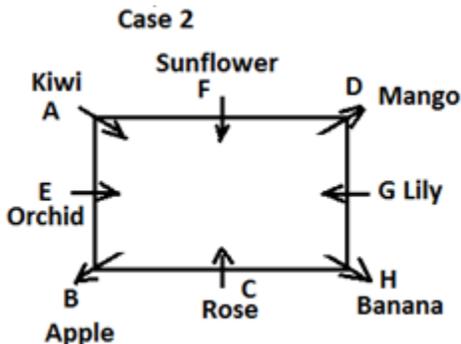
E likes orchid. E faces the one who likes Lily. The one who likes Apple sits on the immediate left of the one who likes Rose. A sit second to right of the one who likes Apple. E sits second to the right of F.



D sits third to the right of C and does not like flower. B and D faces same direction. A and H faces opposite direction. A and B face opposite direction.

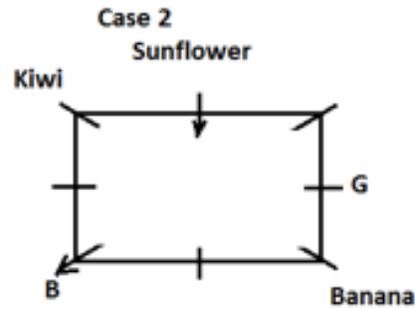
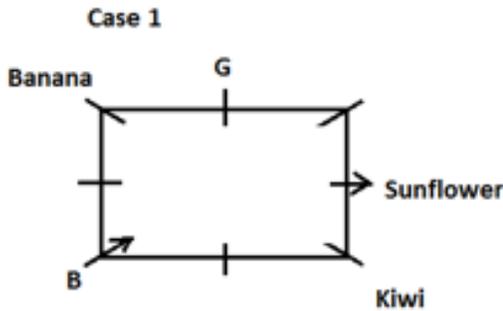


H does not face Inside. So, case 1 will be eliminated.

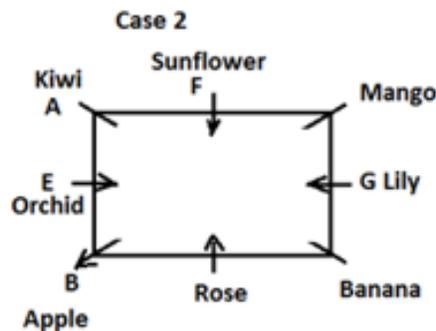
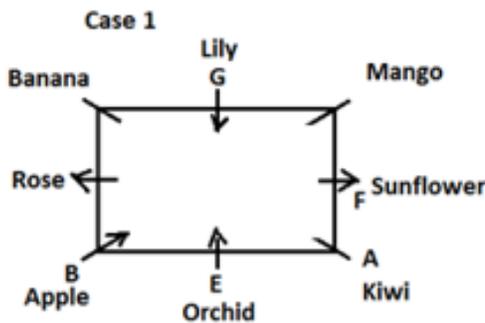


**S2. Ans.(c)**

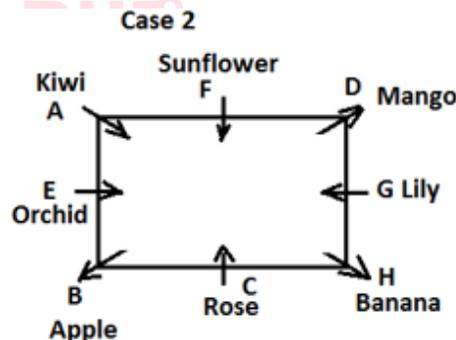
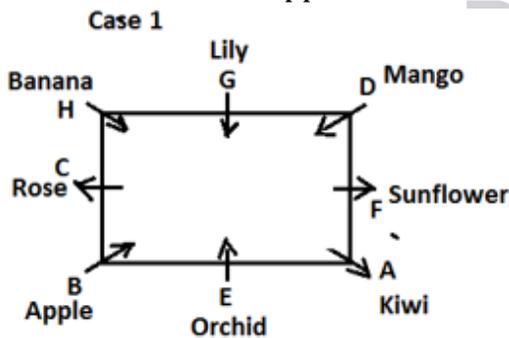
**Sol.** The one who like sunflower sits third to the right of B. G sits second to the left of the one who likes sunflower. G is not the immediate neighbour of B. The one who likes Banana is an immediate neighbour of G. Three person sits between the one who likes Banana and the one who likes Kiwi. B does not like Kiwi.



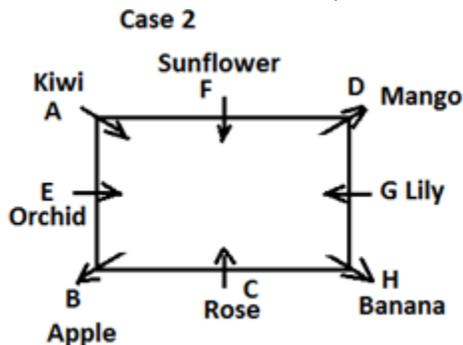
E likes orchid. E faces the one who likes Lily. The one who likes Apple sits on the immediate left of the one who likes Rose. A sit second to right of the one who likes Apple. E sits second to the right of F.



D sits third to the right of C and does not like flower. B and D faces same direction. A and H faces opposite direction. A and B face opposite direction.

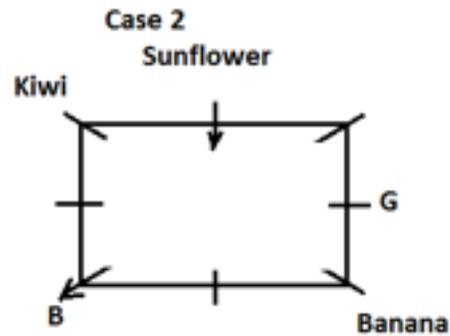
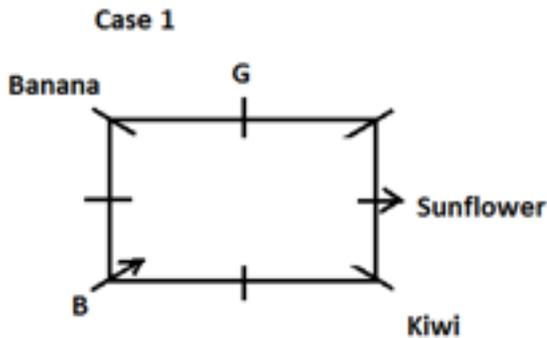


H does not face Inside. So, case 1 will be eliminated.

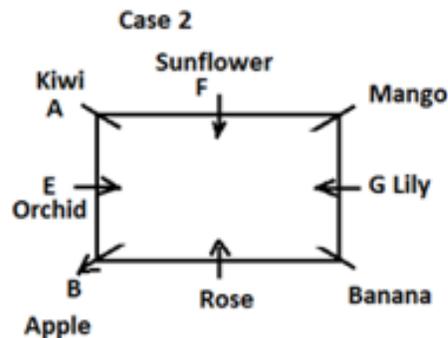
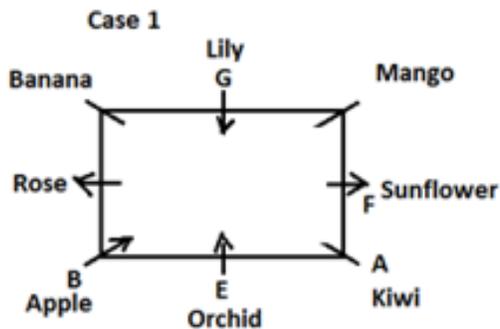


**S3. Ans.(d)**

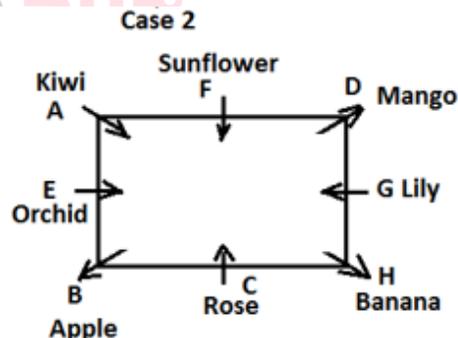
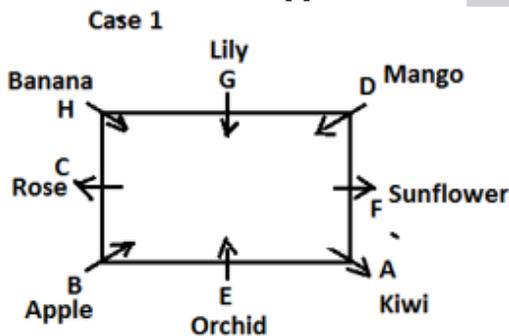
**Sol.** The one who like sunflower sits third to the right of B. G sits second to the left of the one who likes sunflower. G is not the immediate neighbour of B. The one who likes Banana is an immediate neighbour of G. Three person sits between the one who likes Banana and the one who likes Kiwi. B does not like Kiwi.



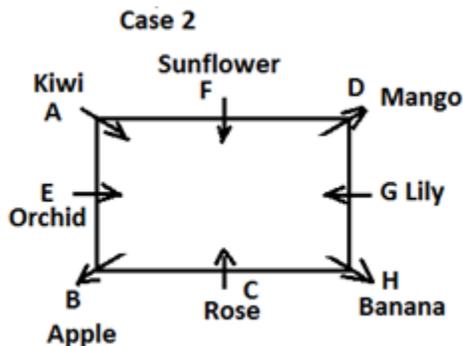
E likes orchid. E faces the one who likes Lily. The one who likes Apple sits on the immediate left of the one who likes Rose. A sit second to right of the one who likes Apple. E sits second to the right of F.



D sits third to the right of C and does not like flower. B and D faces same direction. A and H faces opposite direction. A and B face opposite direction.

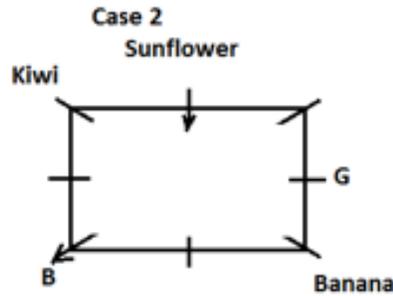
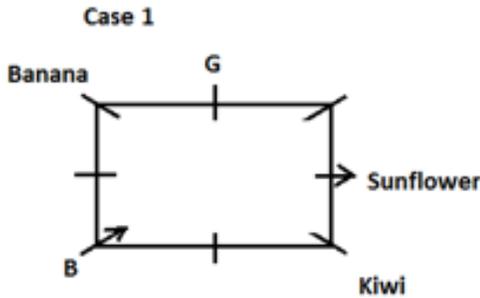


H does not face Inside. So, case 1 will be eliminated.

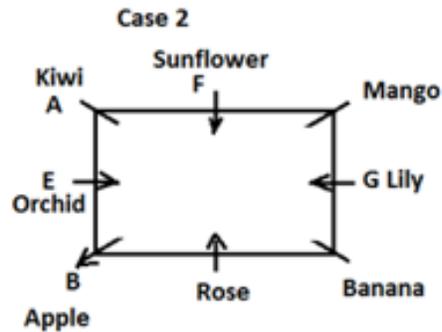
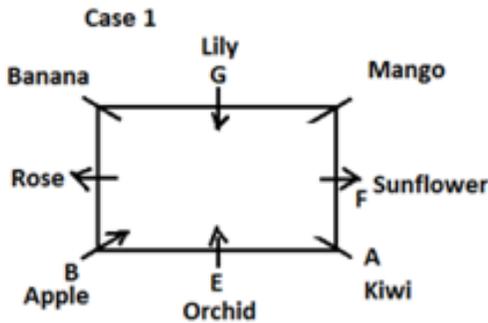


**S4. Ans.(b)**

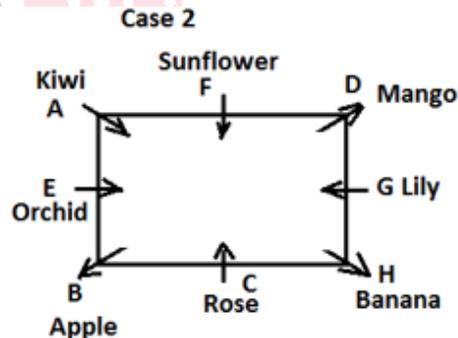
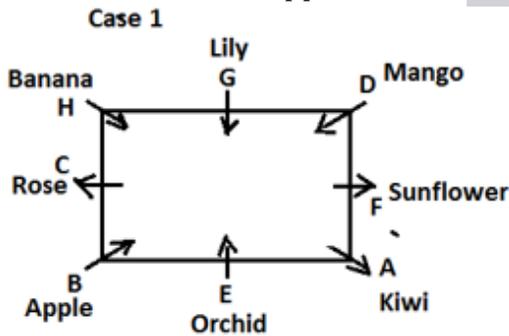
**Sol.** The one who like sunflower sits third to the right of B. G sits second to the left of the one who likes sunflower. G is not the immediate neighbour of B. The one who likes Banana is an immediate neighbour of G. Three person sits between the one who likes Banana and the one who likes Kiwi. B does not like Kiwi.



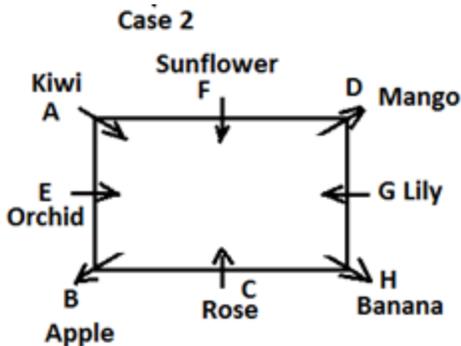
E likes orchid. E faces the one who likes Lily. The one who likes Apple sits on the immediate left of the one who likes Rose. A sit second to right of the one who likes Apple. E sits second to the right of F.



D sits third to the right of C and does not like flower. B and D faces same direction. A and H faces opposite direction. A and B face opposite direction.

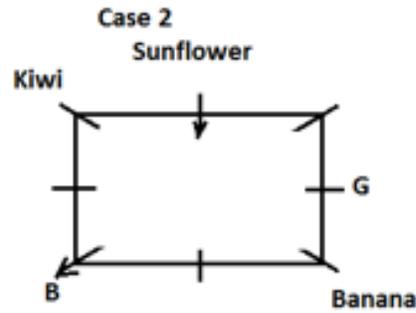
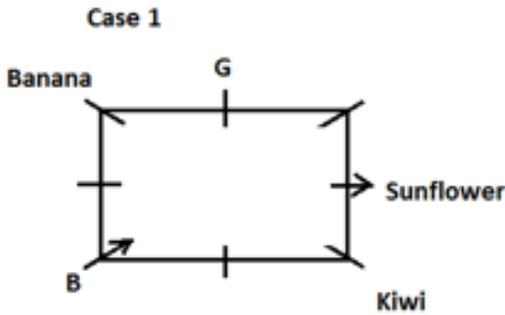


H does not face Inside. So, case 1 will be eliminated.

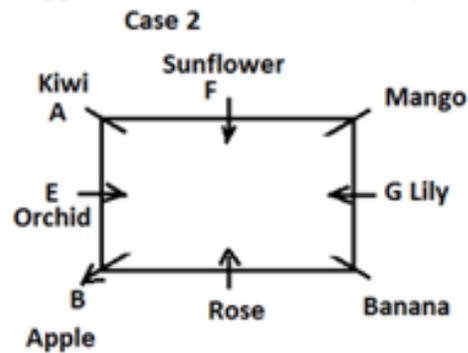
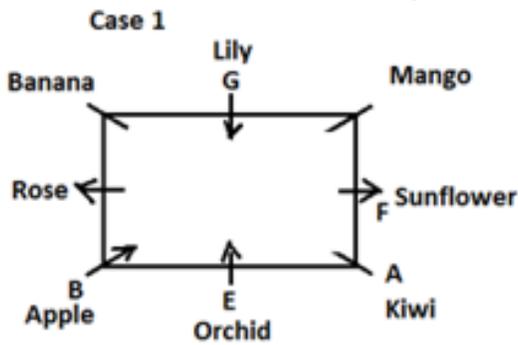


**S5. Ans.(c)**

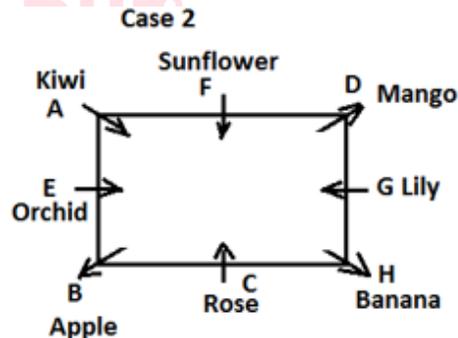
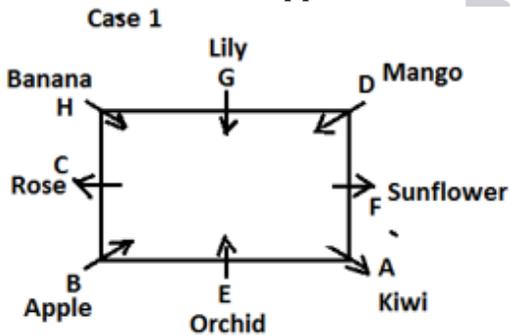
**Sol.** The one who like sunflower sits third to the right of B. G sits second to the left of the one who likes sunflower. G is not the immediate neighbour of B. The one who likes Banana is an immediate neighbour of G. Three person sits between the one who likes Banana and the one who likes Kiwi. B does not like Kiwi.



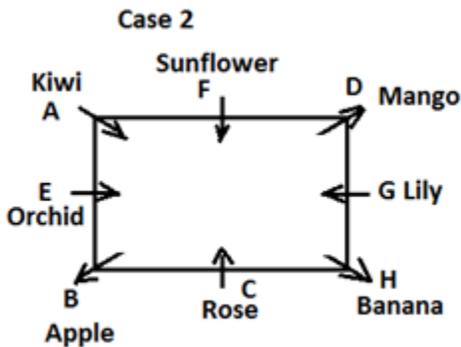
E likes orchid. E faces the one who likes Lily. The one who likes Apple sits on the immediate left of the one who likes Rose. A sit second to right of the one who likes Apple. E sits second to the right of F.



D sits third to the right of C and does not like flower. B and D faces same direction. A and H faces opposite direction. A and B face opposite direction.



H does not face Inside. So, case 1 will be eliminated.



**S6. Ans.(d)**

**Sol.** In the given machine arrangement two numbers are arranged in each step from both the ends. In first step- the highest number is arranged from the left end and lowest number is arranged from the right end. In step II- second highest no is arranged from the left end and second lowest no is arranged from the right end and so on...

Further while arranging the numbers in step I- The highest number is subtracted by 2 and 2 is added to the lowest no and in step II- 4 is subtracted from second highest no and 4 is added in the second lowest no then in step III-8 is subtracted from third highest no and 8 is added in the third lowest no - and so on...

Input : 80 30 13 70 98 7 24 77 35 93 49 86

Step I : 96 80 30 13 70 24 77 35 93 49 86 9

Step II : 89 96 80 30 70 24 77 35 49 86 9 17

Step III : 78 89 96 80 30 70 77 35 49 9 17 32

Step IV : 64 78 89 96 70 77 35 49 9 17 32 46

Step V : 45 64 78 89 96 70 49 9 17 32 46 67

Step VI : 6 45 64 78 89 96 9 17 32 46 67 113

**S7. Ans.(d)**

**Sol.** In the given machine arrangement two numbers are arranged in each step from both the ends. In first step- the highest number is arranged from the left end and lowest number is arranged from the right end. In step II- second highest no is arranged from the left end and second lowest no is arranged from the right end and so on...

Further while arranging the numbers in step I- The highest number is subtracted by 2 and 2 is added to the lowest no and in step II- 4 is subtracted from second highest no and 4 is added in the second lowest no then in step III-8 is subtracted from third highest no and 8 is added in the third lowest no - and so on...

Input : 80 30 13 70 98 7 24 77 35 93 49 86

Step I : 96 80 30 13 70 24 77 35 93 49 86 9

Step II : 89 96 80 30 70 24 77 35 49 86 9 17

Step III : 78 89 96 80 30 70 77 35 49 9 17 32

Step IV : 64 78 89 96 70 77 35 49 9 17 32 46

Step V : 45 64 78 89 96 70 49 9 17 32 46 67

Step VI : 6 45 64 78 89 96 9 17 32 46 67 113

**S8. Ans.(c)**

**Sol.** In the given machine arrangement two numbers are arranged in each step from both the ends. In first step- the highest number is arranged from the left end and lowest number is arranged from the right end. In step II- second highest no is arranged from the left end and second lowest no is arranged from the right end and so on...

Further while arranging the numbers in step I- The highest number is subtracted by 2 and 2 is added to the lowest no and in step II- 4 is subtracted from second highest no and 4 is added in the second lowest no then in step III-8 is subtracted from third highest no and 8 is added in the third lowest no - and so on...

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 Step I : 96 80 30 13 70 24 77 35 93 49 86 9  
 Step II : 89 96 80 30 70 24 77 35 49 86 9 17  
 Step III : 78 89 96 80 30 70 77 35 49 9 17 32  
 Step IV : 64 78 89 96 70 77 35 49 9 17 32 46  
 Step V : 45 64 78 89 96 70 49 9 17 32 46 67  
 Step VI : 6 45 64 78 89 96 9 17 32 46 67 113

**S9. Ans.(b)**

**Sol.** In the given machine arrangement two numbers are arranged in each step from both the ends. In first step- the highest number is arranged from the left end and lowest number is arranged from the right end. In step II- second highest no is arranged from the left end and second lowest no is arranged from the right end and so on...

Further while arranging the numbers in step I- The highest number is subtracted by 2 and 2 is added to the lowest no and in step II- 4 is subtracted from second highest no and 4 is added in the second lowest no then in step III-8 is subtracted from third highest no and 8 is added in the third lowest no - and so on...

Input : 80 30 13 70 98 7 24 77 35 93 49 86  
 Step I : 96 80 30 13 70 24 77 35 93 49 86 9  
 Step II : 89 96 80 30 70 24 77 35 49 86 9 17  
 Step III : 78 89 96 80 30 70 77 35 49 9 17 32  
 Step IV : 64 78 89 96 70 77 35 49 9 17 32 46  
 Step V : 45 64 78 89 96 70 49 9 17 32 46 67  
 Step VI : 6 45 64 78 89 96 9 17 32 46 67 113



**S10. Ans.(e)**

**Sol.** From Statement I and II,

More than two boxes kept between F and B. Only one box kept between box F and box C. Box E kept above box C.

Case 1	Case 2	Case 3	Case 4	Case 5	Case 6
Box	Box	Box	Box	Box	Box
F	E/	E/	B	B	F
E	F	B	E	E/	E
C	E/	E/	C	E/	C
	C	C		C	
B			F		
	B	F		F	B

More than two boxes places between D and F. So case 2 and case 4 are eliminated.

Case 1	Case 2	Case 3	Case 4	Case 5	Case 6
Box	Box	Box	Box	Box	Box
F	—E/	D	—B	B	F
E	—F	B	—E	D	E
C	—E/	E	—G	E	C
	—G	C		C	
B			—F		D
D	—B	F		F	B

Only two boxes are placed between D and A. So, case 1, 3 and 6 are eliminated.

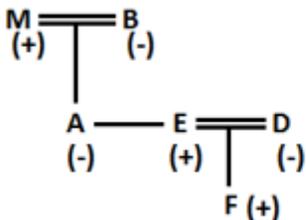
Case 5
Box
B
D
E
C
A
F



**S11. Ans.(c)**

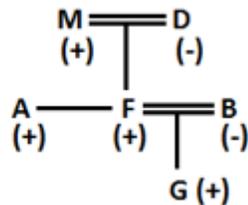
**Sol.**

From I,



A, is the daughter of B.

From II,



A is the brother-in-law of B.

**S12. Ans.(d)**

**Sol.** From I,

**D > A > B/E > C/B > B OR D > A > B/E > B/E > C**

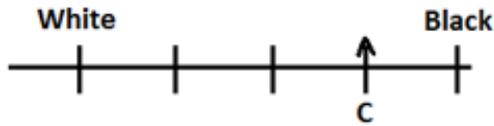
From II,

**C > A > D > B/E > E/B**

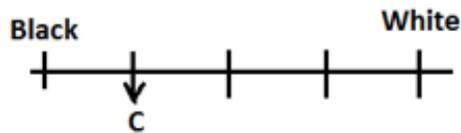
**S13. Ans.(e)**

**Sol.** The one who is the fourth tallest and likes White colour sits third to the left of C. The one who sits on the immediate right of C likes Black colour and is just taller than C.

**Case 1**



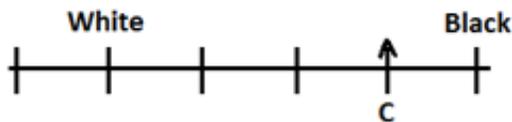
**Case 2**



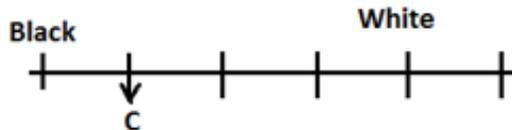
> > > **(White)** > >, **(Black)** > C

The one who likes Green colour is just shorter than C. B is taller than both D and A. B does not like Black and white colour. A is not the smallest. The one who likes white colour does not sits at the end of the row. The one who sits at the end of the row faces opposite direction.

**Case 1**



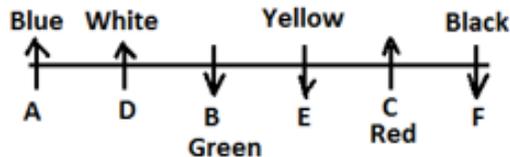
**Case 2**



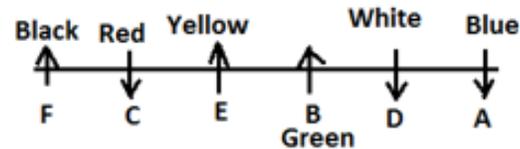
**(Black)** > C > B **(Green)** > **(White)** > A**(Blue)** >

B sits third to the right F. A like Blue colour and sits on the immediate left of D. D does not like Black colour. The shortest among all likes Yellow colour and sits second to the right of D. F is taller than E. B and E faces same direction as F.

**Case 1**



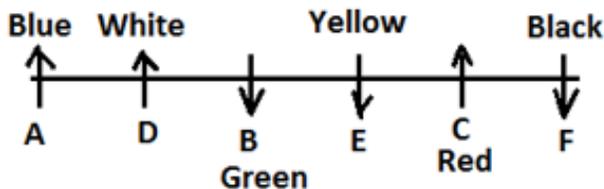
**Case 2**



**F(Black)** > **C(Red)** > B **(Green)** > D**(White)** > A**(Blue)** > E **(Yellow)**

D does not face south direction. Hence, we get our final answer;

**Case 1**

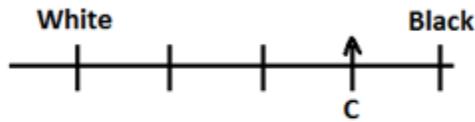


**F(Black)** > **C(Red)** > B **(Green)** > D**(White)** > A**(Blue)** > E **(Yellow)**

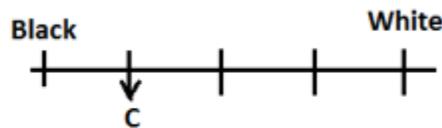
**S14. Ans.(d)**

**Sol.** The one who is the fourth tallest and likes White colour sits third to the left of C. The one who sits on the immediate right of C likes Black colour and is just taller than C.

**Case 1**



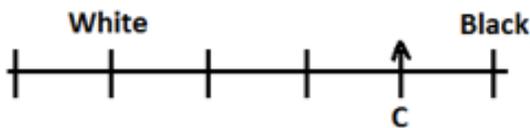
**Case 2**



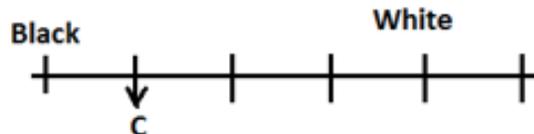
> > > (White) > >, (Black) > C

The one who likes Green colour is just shorter than C. B is taller than both D and A. B does not like Black and white colour. A is not the smallest. The one who likes white colour does not sits at the end of the row. The one who sits at the end of the row faces opposite direction.

**Case 1**



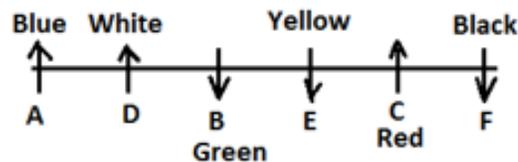
**Case 2**



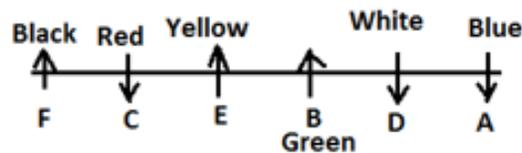
(Black) > C > B (Green) > (White) > A(Blue) >

B sits third to the right F. A like Blue colour and sits on the immediate left of D. D does not like Black colour. The shortest among all likes Yellow colour and sits second to the right of D. F is taller than E. B and E faces same direction as F.

**Case 1**



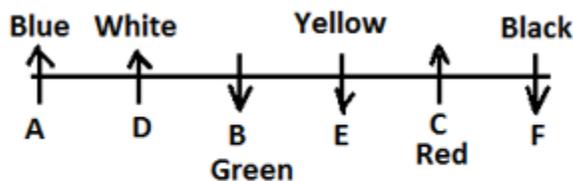
**Case 2**



**F(Black) > C(Red) > B (Green) > D(White) > A(Blue) > E (Yellow)**

D does not face south direction. Hence, we get our final answer;

**Case 1**

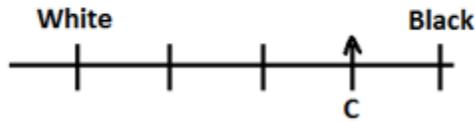


**F(Black) > C(Red) > B (Green) > D(White) > A(Blue) > E (Yellow)**

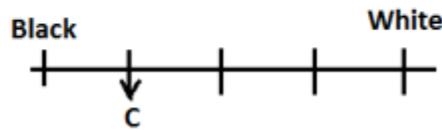
**S15. Ans.(c)**

**Sol.** The one who is the fourth tallest and likes White colour sits third to the left of C. The one who sits on the immediate right of C likes Black colour and is just taller than C.

**Case 1**



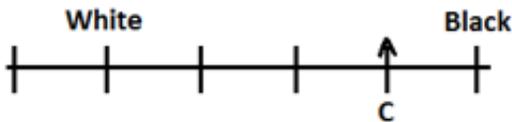
**Case 2**



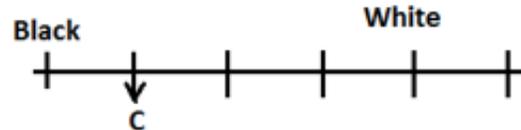
> > > (White) > >, (Black) > C

The one who likes Green colour is just shorter than C. B is taller than both D and A. B does not like Black and white colour. A is not the smallest. The one who likes white colour does not sits at the end of the row. The one who sits at the end of the row faces opposite direction.

**Case 1**



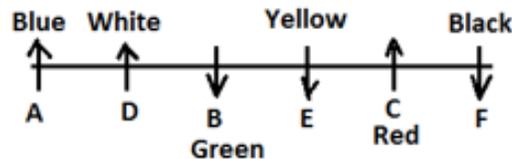
**Case 2**



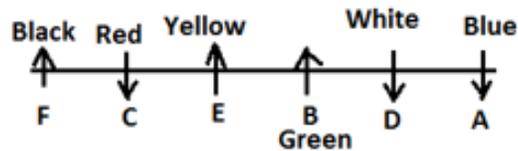
(Black) > C > B (Green) > (White) > A(Blue) >

B sits third to the right F. A like Blue colour and sits on the immediate left of D. D does not like Black colour. The shortest among all likes Yellow colour and sits second to the right of D. F is taller than E. B and E faces same direction as F.

**Case 1**



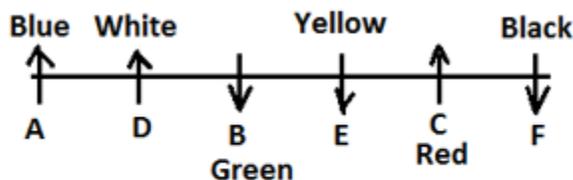
**Case 2**



**F(Black) > C(Red) > B (Green) > D(White) > A(Blue) > E (Yellow)**

D does not face south direction. Hence, we get our final answer;

**Case 1**

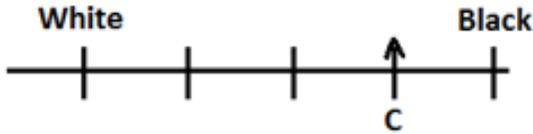


**F(Black) > C(Red) > B (Green) > D(White) > A(Blue) > E (Yellow)**

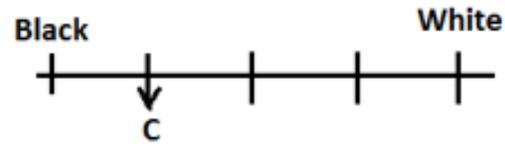
**S16. Ans.(a)**

**Sol.** The one who is the fourth tallest and likes White colour sits third to the left of C. The one who sits on the immediate right of C likes Black colour and is just taller than C.

**Case 1**



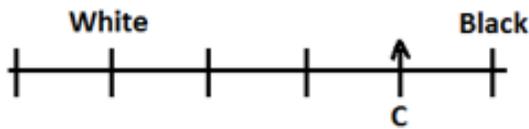
**Case 2**



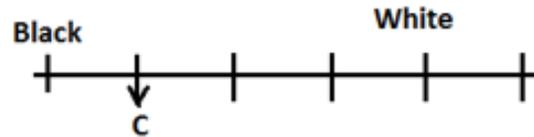
**> > > (White) > >, (Black) > C**

The one who likes Green colour is just shorter than C. B is taller than both D and A. B does not like Black and white colour. A is not the smallest. The one who likes white colour does not sits at the end of the row. The one who sits at the end of the row faces opposite direction.

**Case 1**



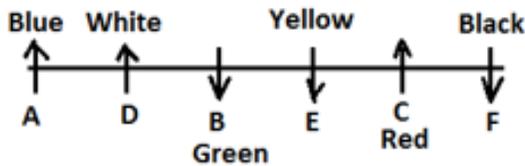
**Case 2**



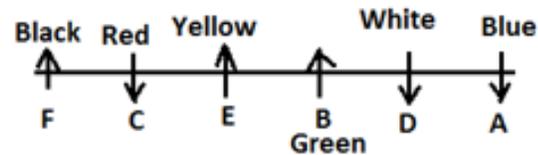
**(Black) > C > B (Green) > (White) > A (Blue) >**

B sits third to the right F. A like Blue colour and sits on the immediate left of D. D does not like Black colour. The shortest among all likes Yellow colour and sits second to the right of D. F is taller than E. B and E faces same direction as F.

**Case 1**



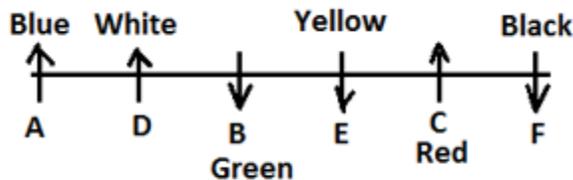
**Case 2**



**F(Black) > C(Red) > B (Green) > D(White) > A(Blue) > E (Yellow)**

D does not face south direction. Hence, we get our final answer;

**Case 1**

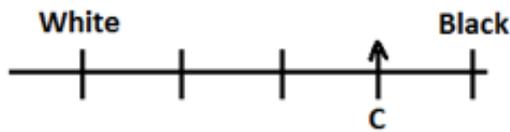


**F(Black) > C(Red) > B (Green) > D(White) > A(Blue) > E (Yellow)**

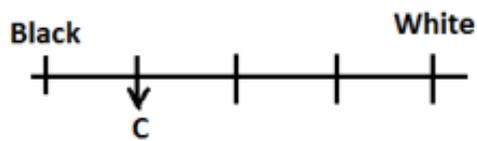
**S17. Ans.(b)**

**Sol.** The one who is the fourth tallest and likes White colour sits third to the left of C. The one who sits on the immediate right of C likes Black colour and is just taller than C.

**Case 1**



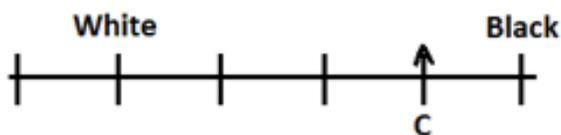
**Case 2**



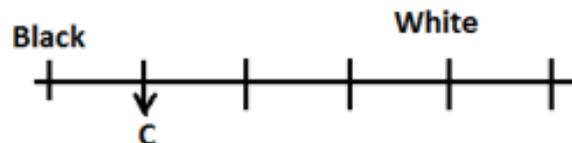
> > > **(White)** > >, **(Black)** > C

The one who likes Green colour is just shorter than C. B is taller than both D and A. B does not like Black and white colour. A is not the smallest. The one who likes white colour does not sits at the end of the row. The one who sits at the end of the row faces opposite direction.

**Case 1**



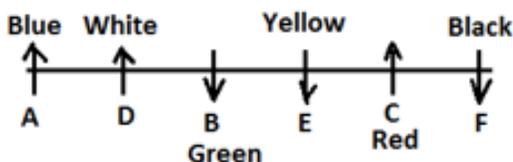
**Case 2**



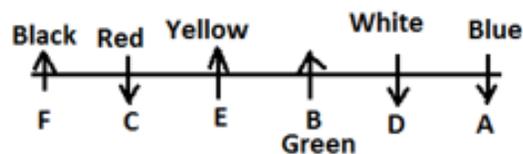
**(Black)** > C > B **(Green)** > **(White)** > A**(Blue)** >

B sits third to the right F. A like Blue colour and sits on the immediate left of D. D does not like Black colour. The shortest among all likes Yellow colour and sits second to the right of D. F is taller than E. B and E faces same direction as F.

**Case 1**



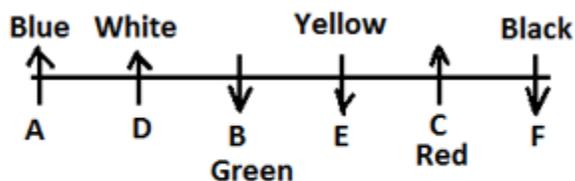
**Case 2**



**F(Black)** > **C(Red)** > B **(Green)** > **D(White)** > A**(Blue)** > E **(Yellow)**

D does not face south direction. Hence, we get our final answer;

**Case 1**



**F(Black)** > **C(Red)** > B **(Green)** > **D(White)** > A**(Blue)** > E **(Yellow)**

**S18. Ans.(a)**

**Sol.** The fact that the government has taken up to clean the most polluted part of the river with the shortest stretch of 80 km suggests that there are other less-polluted, longer patches to be cleaned later. Therefore, choice (a) is the right answer as it brings out this conclusion. Option (d) is distorted because it exaggerated the information given in the passage. The fact that you clean the most polluted part does not mean the entire river becomes clean, but it only means that it becomes less-polluted. (c) and (d) are not correct regarding the information given in the passage.

**S19. Ans.(c)**

**Sol.** The passage's argument is that in Pakistan there are dual power centers and the elected government is not as powerful as it should be. He assumes that the execution of Salman Taseer's murderer was carried out as the actual power center gave its green signal for it. Therefore, the fact that supports this assumption can strengthen the argument. It is option (c) as it makes it clear that the civil government is not the power center, but the military. Option (a) is too mild as supporting in not equal to dictating. Option (b) actually weakens the argument.

**S20. Ans.(d)**

**Sol.** Only one box is placed in between V and Z in compartment B. R is placed on top in compartment A. Box Y is in the immediate west of L. Box L is placed between box M and N. M is placed above N. Two boxes are placed between R and S in same compartment. Box Q is placed immediately above P in the same compartment. Box X is placed above box V and Z in the same compartment. Box V is placed above box Z.

Compartment A	Compartment B	Compartment C
R	X	K
Q	V	M
P	Y	L
S	Z	N

Step II: According to the given conditions, The cards drawn is- 1. Club-Heart, for this If among the card drawn one is Club and another is Heart then the box placed at top and the box placed at the bottom will be interchanged in compartment B. So, from given conditions, Box X and Z will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	Z	K
Q	V	M
P	Y	L
S	X	N

Step III: 2. Heart-Heart, If both the card drawn is heart then the box placed at the top in compartment B will be interchanged with the box placed at the bottom of Compartment C. So, from given conditions, Box Z and N will be interchanged with each other.

TEST SERIES

Bilingual

VIDEO SOLUTIONS



# IBPS PO 2019 PRELIMS

## 35 TOTAL TESTS

### Validity : 12 Months

Compartment A	Compartment B	Compartment C
R	N	K
Q	V	M
P	Y	L
S	X	Z

Step IV: 3. Club-Diamond, If among the card drawn one is club and another is diamond then the box which is third from the bottom in compartment B is interchanged with the box which is third from the top in compartment A. So, from the given conditions, Box P and box V will be interchanged.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	M
V	Y	L
S	X	Z

Step V: 4. Spade-Diamond, If among the card drawn one is diamond and another is spade then the box which is second from the bottom in Compartment A will be inter changed with box placed at second from the top in Compartment C. So, from the given conditions, Box V will be interchanged with M.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	V
M	Y	L
S	X	Z

### S21. Ans.(a)

**Sol.** Only one box is placed in between V and Z in compartment B. R is placed on top in compartment A. Box Y is in the immediate west of L. Box L is placed between box M and N. M is placed above N. Two boxes are placed between R and S in same compartment. Box Q is placed immediately above P in the same compartment. Box X is placed above box V and Z in the same compartment. Box V is placed above box Z.

Compartment A	Compartment B	Compartment C
R	X	K
Q	V	M
P	Y	L
S	Z	N

Step II: According to the given conditions, The cards drawn is- 1. Club-Heart, for this If among the card drawn one is Club and another is Heart then the box placed at top and the box placed at the bottom will be interchanged in compartment B. So, from given conditions, Box X and Z will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	Z	K
Q	V	M
P	Y	L
S	X	N

Step III: 2. Heart-Heart, If both the card drawn is heart then the box placed at the top in compartment B will be interchanged with the box placed at the bottom of Compartment C. So, from given conditions, Box Z and N will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	N	K
Q	V	M
P	Y	L
S	X	Z

Step IV: 3. Club-Diamond, If among the card drawn one is club and another is diamond then the box which is third from the bottom in compartment B is interchanged with the box which is third from the top in compartment A. So, from the given conditions, Box P and box V will be interchanged.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	M
V	Y	L
S	X	Z

Step V: 4. Spade-Diamond, If among the card drawn one is diamond and another is spade then the box which is second from the bottom in Compartment A will be inter changed with box placed at second from the top in Compartment C. So, from the given conditions, Box V will be interchanged with M.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	V
M	Y	L
S	X	Z

### S22. Ans.(b)

**Sol.** Only one box is placed in between V and Z in compartment B. R is placed on top in compartment A. Box Y is in the immediate west of L. Box L is placed between box M and N. M is placed above N. Two boxes are placed between R and S in same compartment. Box Q is placed immediately above P in the same compartment. Box X is placed above box V and Z in the same compartment. Box V is placed above box Z.

Compartment A	Compartment B	Compartment C
R	X	K
Q	V	M
P	Y	L
S	Z	N

Step II: According to the given conditions, The cards drawn is- 1. Club-Heart, for this If among the card drawn one is Club and another is Heart then the box placed at top and the box placed at the bottom will be interchanged in compartment B. So, from given conditions, Box X and Z will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	Z	K
Q	V	M
P	Y	L
S	X	N

Step III: 2. Heart-Heart, If both the card drawn is heart then the box placed at the top in compartment B will be interchanged with the box placed at the bottom of Compartment C. So, from given conditions, Box Z and N will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	N	K
Q	V	M
P	Y	L
S	X	Z

Step IV: 3. Club-Diamond, If among the card drawn one is club and another is diamond then the box which is third from the bottom in compartment B is interchanged with the box which is third from the top in compartment A. So, from the given conditions, Box P and box V will be interchanged.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	M
V	Y	L
S	X	Z

Step V: 4. Spade-Diamond, If among the card drawn one is diamond and another is spade then the box which is second from the bottom in Compartment A will be inter changed with box placed at second from the top in Compartment C. So, from the given conditions, Box V will be interchanged with M.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	V
M	Y	L
S	X	Z

### S23. Ans.(b)

**Sol.** Only one box is placed in between V and Z in compartment B. R is placed on top in compartment A. Box Y is in the immediate west of L. Box L is placed between box M and N. M is placed above N. Two boxes are placed between R and S in same compartment. Box Q is placed immediately above P in the same compartment. Box X is placed above box V and Z in the same compartment. Box V is placed above box Z.

Compartment A	Compartment B	Compartment C
R	X	K
Q	V	M
P	Y	L
S	Z	N

Step II: According to the given conditions, The cards drawn is- 1. Club-Heart, for this If among the card drawn one is Club and another is Heart then the box placed at top and the box placed at the bottom will be interchanged in compartment B. So, from given conditions, Box X and Z will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	Z	K
Q	V	M
P	Y	L
S	X	N

Step III: 2. Heart-Heart, If both the card drawn is heart then the box placed at the top in compartment B will be interchanged with the box placed at the bottom of Compartment C. So, from given conditions, Box Z and N will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	N	K
Q	V	M
P	Y	L
S	X	Z

Step IV: 3. Club-Diamond, If among the card drawn one is club and another is diamond then the box which is third from the bottom in compartment B is interchanged with the box which is third from the top in compartment A. So, from the given conditions, Box P and box V will be interchanged.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	M
V	Y	L
S	X	Z

Step V: 4. Spade-Diamond, If among the card drawn one is diamond and another is spade then the box which is second from the bottom in Compartment A will be inter changed with box placed at second from the top in Compartment C. So, from the given conditions, Box V will be interchanged with M.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	V
M	Y	L
S	X	Z

### S24. Ans.(d)

**Sol.** Only one box is placed in between V and Z in compartment B. R is placed on top in compartment A. Box Y is in the immediate west of L. Box L is placed between box M and N. M is placed above N. Two boxes are placed between R and S in same compartment. Box Q is placed immediately above P in the same compartment. Box X is placed above box V and Z in the same compartment. Box V is placed above box Z.

Compartment A	Compartment B	Compartment C
R	X	K
Q	V	M
P	Y	L
S	Z	N

Step II: According to the given conditions, The cards drawn is- 1. Club-Heart, for this If among the card drawn one is Club and another is Heart then the box placed at top and the box placed at the bottom will be interchanged in compartment B. So, from given conditions, Box X and Z will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	Z	K
Q	V	M
P	Y	L
S	X	N

Step III: 2. Heart-Heart, If both the card drawn is heart then the box placed at the top in compartment B will be interchanged with the box placed at the bottom of Compartment C. So, from given conditions, Box Z and N will be interchanged with each other.

Compartment A	Compartment B	Compartment C
R	N	K
Q	V	M
P	Y	L
S	X	Z

Step IV: 3. Club-Diamond, If among the card drawn one is club and another is diamond then the box which is third from the bottom in compartment B is interchanged with the box which is third from the top in compartment A. So, from the given conditions, Box P and box V will be interchanged.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	M
V	Y	L
S	X	Z

Step V: 4. Spade-Diamond, If among the card drawn one is diamond and another is spade then the box which is second from the bottom in Compartment A will be inter changed with box placed at second from the top in Compartment C. So, from the given conditions, Box V will be interchanged with M.

Compartment A	Compartment B	Compartment C
R	N	K
Q	P	V
M	Y	L
S	X	Z

### S25. Ans.(e)

**Sol.** Car S is second to the right of car P. The total distance between car R and Q is 52m. Only one car is parked in between car D and R. Car S and car Q are parked next to each other. Car C and car S are not parked next to D.



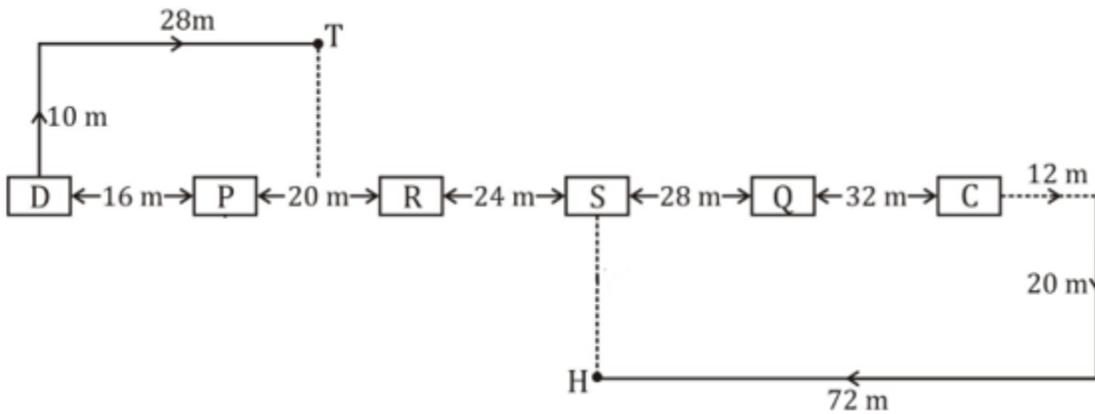
Now Car D starts moving towards north direction after moving 10m its takes a right turn and stops at point T after moving 28m. Car C starts moving in east direction and after going 12m it turns right and move 20m and then again turn right and move 72m and stops there at point H.

**TEST SERIES**  
**Bilingual**

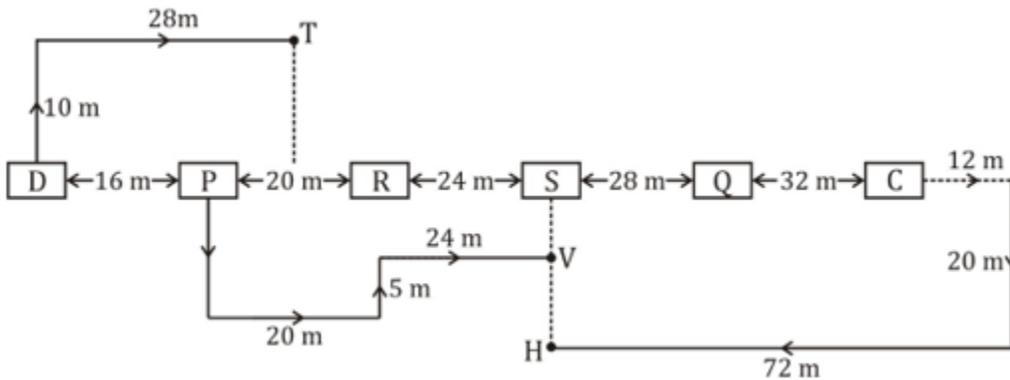
## RRB NTPC PREMIUM

100+ TOTAL TESTS

Validity : 12 Months



Car P starts moving in south direction and after moving 10m it takes a left turn and moves 20m then it again takes a left turn and moves 5m. From there it takes a right turn and moves 24m and stops at point V.

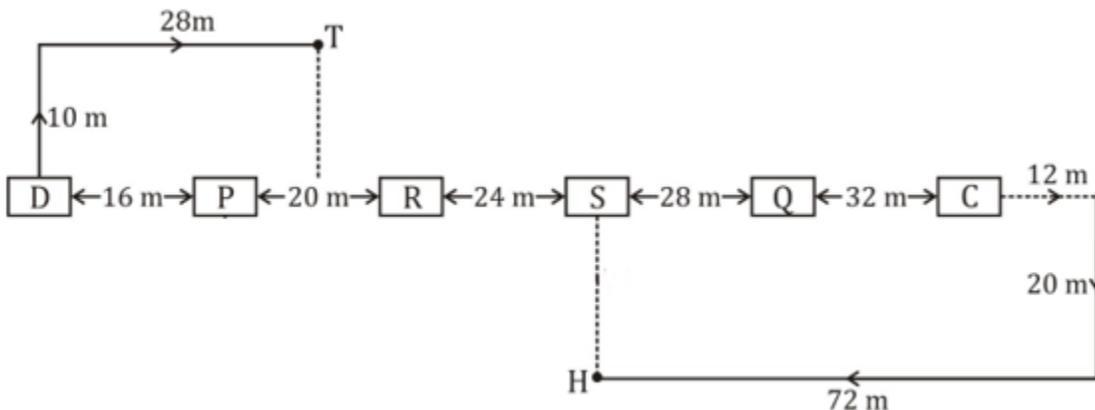


**S26. Ans.(b)**

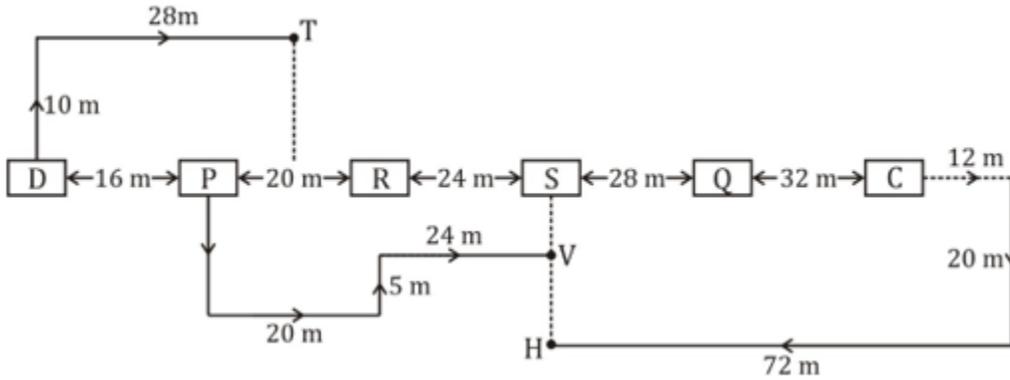
**Sol.** Car S is second to the right of car P. The total distance between car R and Q is 52m. Only one car is parked in between car D and R. Car S and car Q are parked next to each other. Car C and car S are not parked next to D.



Now Car D starts moving towards north direction after moving 10m its takes a right turn and stops at point T after moving 28m. Car C starts moving in east direction and after going 12m it turns right and move 20m and then again turn right and move 72m and stops there at point H.

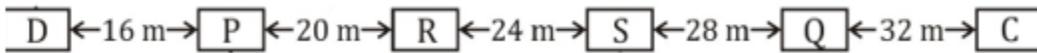


Car P starts moving in south direction and after moving 10m it takes a left turn and moves 20m then it again takes a left turn and moves 5m. From there it takes a right turn and moves 24m and stops at point V.

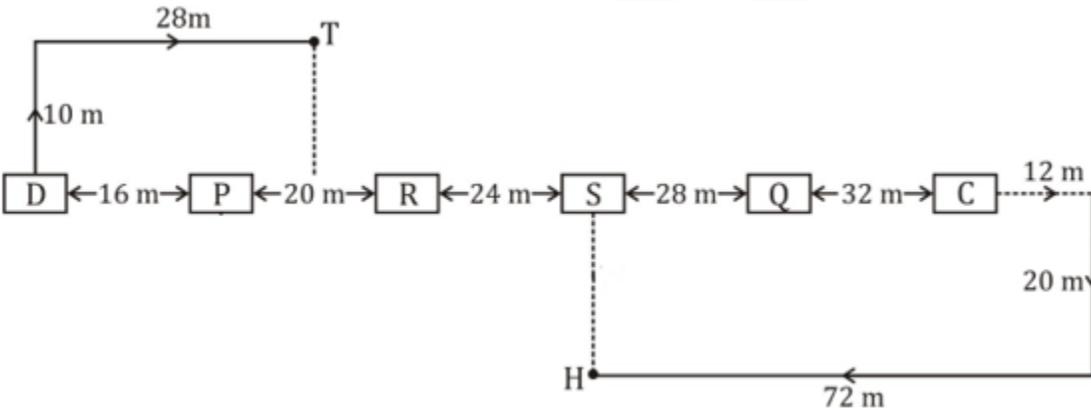


**S27. Ans.(c)**

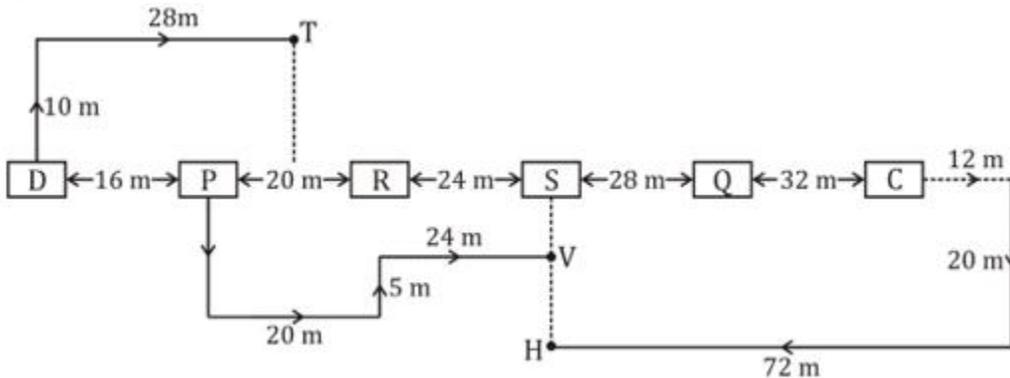
**Sol.** Car S is second to the right of car P. The total distance between car R and Q is 52m. Only one car is parked in between car D and R. Car S and car Q are parked next to each other. Car C and car S are not parked next to D.



Now Car D starts moving towards north direction after moving 10m it takes a right turn and stops at point T after moving 28m. Car C starts moving in east direction and after going 12m it turns right and move 20m and then again turn right and move 72m and stops there at point H.



Car P starts moving in south direction and after moving 10m it takes a left turn and moves 20m then it again takes a left turn and moves 5m. From there it takes a right turn and moves 24m and stops at point V.

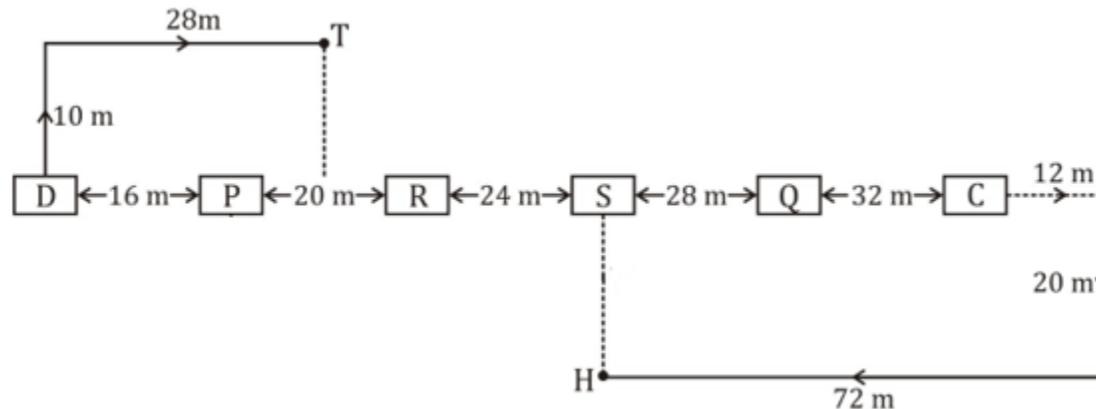


**S28. Ans.(a)**

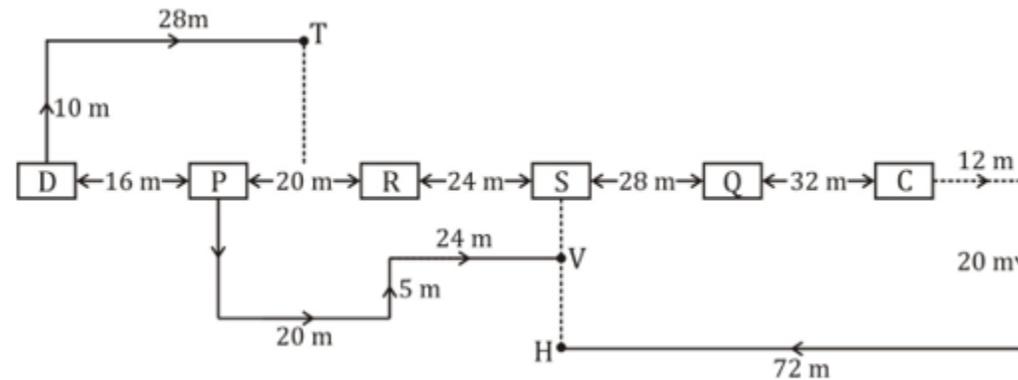
**Sol.** Car S is second to the right of car P. The total distance between car R and Q is 52m. Only one car is parked in between car D and R. Car S and car Q are parked next to each other. Car C and car S are not parked next to D.



Now Car D starts moving towards north direction after moving 10m its takes a right turn and stops at point T after moving 28m. Car C starts moving in east direction and after going 12m it turns right and move 20m and then again turn right and move 72m and stops there at point H.



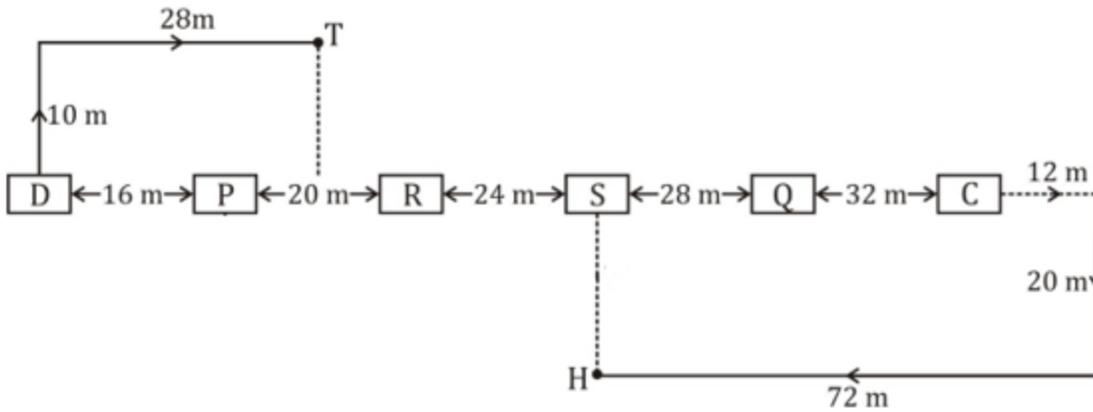
Car P starts moving in south direction and after moving 10m it takes a left turn and moves 20m then it again takes a left turn and moves 5m. From there it takes a right turn and moves 24m and stops at point V.

**S29. Ans.(c)**

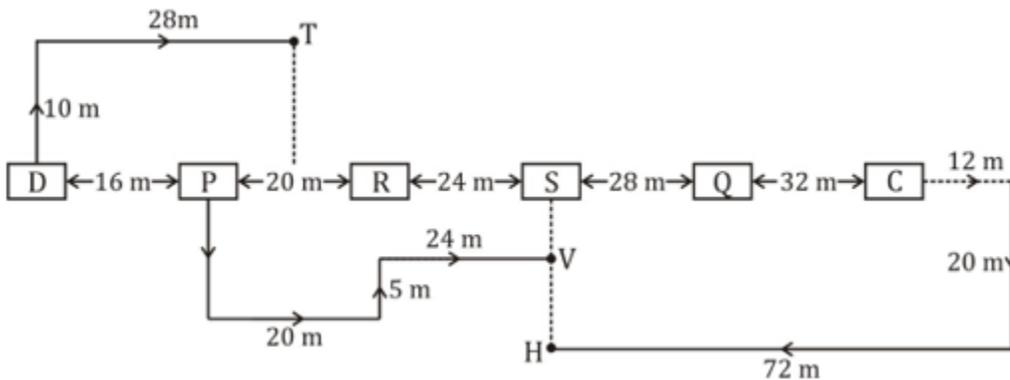
**Sol.** Car S is second to the right of car P. The total distance between car R and Q is 52m. Only one car is parked in between car D and R. Car S and car Q are parked next to each other. Car C and car S are not parked next to D.



Now Car D starts moving towards north direction after moving 10m its takes a right turn and stops at point T after moving 28m. Car C starts moving in east direction and after going 12m it turns right and move 20m and then again turn right and move 72m and stops there at point H.



Car P starts moving in south direction and after moving 10m it takes a left turn and moves 20m then it again takes a left turn and moves 5m. From there it takes a right turn and moves 24m and stops at point V.



**S30. Ans.(a)**

**Sol.** The information given in the passage shows that the present indigenous Americans have no lineage of the conquest of the Spanish, which suggests that gene pool did not spread across different indigenous American tribes during that time. Hence, once the tribe got killed anmasse, their lineage also ended. Therefore, choice (a) is the right answer as it makes it clear that the indigenous tribes conducted marriage relations only within their group; they did not have marriage relations with other tribes. The other choices do not bring out the convincing reason for the missing lineage.

**S31. Ans.(d)**

**Sol.** The argument of the passage is that the countries that work with terrorists pose risk to nuclear security because they think that the terrorists that attack other countries pose no risk to themselves. Therefore, the assumption here is that such countries can pass information relating to nuclear technology to terrorists as they think that terrorists are not a threat to themselves. So, choice (d) is the right answer.

**S32. Ans.(e)**

**Sol.** The argument is based on the assumption that the comet showers emitted by the Planet X wiped out dinosaurs from the earth. So, if we prove that this assumption is wrong, we can weaken the author's argument. Of the choices, only option (a) proves the above assumption wrong. Hence, it is the right answer. (c) also weakens the above statement. (d) it also wakens the argument as it talks about total extinction before the collisions. But it is given that the collisions of comets shower which leads to the most of the extinction of the dinosaurs.

S33. Ans.(c)

Sol.

Years	Persons
1978	Z
1982	X
1995	O
1997	R
2013	J
2015	L

X(-) == Z(+)

R(-) == O(+)

L(-) — J(+)

S34. Ans.(c)

Sol.

Years	Persons
1978	Z
1982	X
1995	O
1997	R
2013	J
2015	L

X(-) == Z(+)

R(-) == O(+)

L(-) — J(+)

S35. Ans.(a)

Sol.

Years	Persons
1978	Z
1982	X
1995	O
1997	R
2013	J
2015	L

TEST SERIES

Bilingual

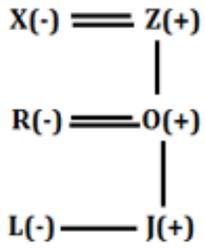


**IBPS RRB PO  
MAINS 2019**

**35 MOCK PAPERS**

**Validity : 12 Months**

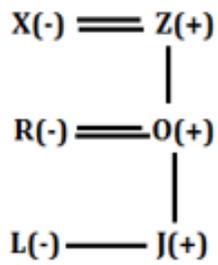




S36. Ans.(a)

Sol.

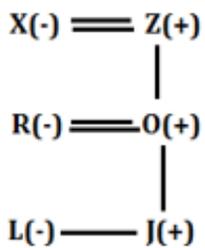
Years	Persons
1978	Z
1982	X
1995	O
1997	R
2013	J
2015	L



S37. Ans.(c)

Sol.

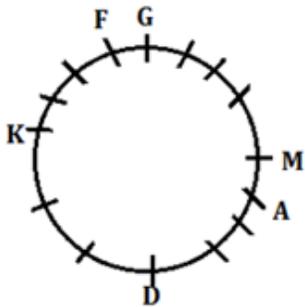
Years	Persons
1978	Z
1982	X
1995	O
1997	R
2013	J
2015	L



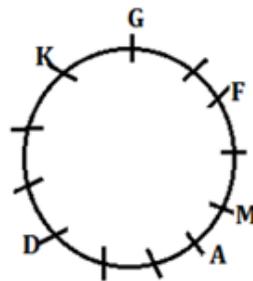
**S38. Ans.(d)**

**Sol.** A sits fifth to the left of G. D sits third to the left of A. M sits forth to the right of D. Two persons sit between D and K. F sits third to the left of K. From this there will be three possible cases---

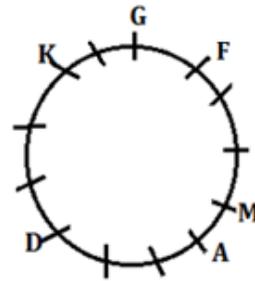
Case-1



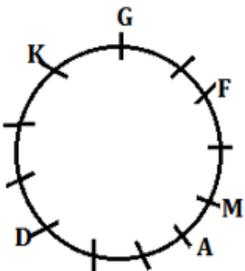
Case-2



Case-3



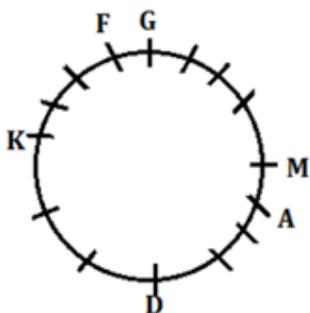
Less than thirteen persons sit around the table. So, from this case-1 and 3 gets eliminated. So, the final arrangement is---



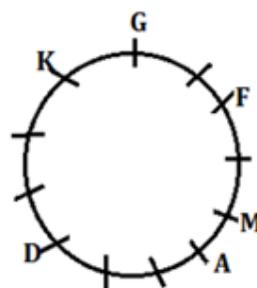
**S39. Ans.(a)**

**Sol.** A sits fifth to the left of G. D sits third to the left of A. M sits forth to the right of D. Two persons sit between D and K. F sits third to the left of K. From this there will be three possible cases---

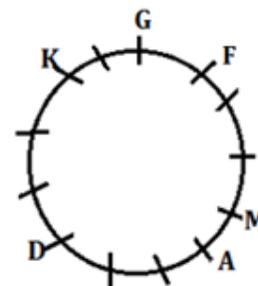
Case-1



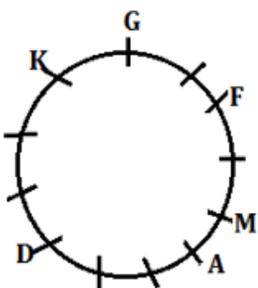
Case-2



Case-3



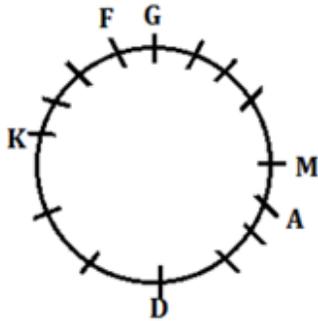
Less than thirteen persons sit around the table. So, from this case-1 and 3 gets eliminated. So, the final arrangement is---



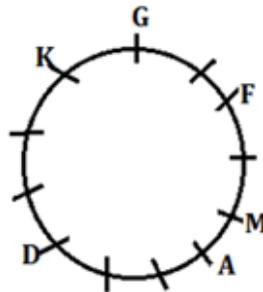
**S40. Ans.(c)**

**Sol.** A sits fifth to the left of G. D sits third to the left of A. M sits fourth to the right of D. Two persons sit between D and K. F sits third to the left of K. From this there will be three possible cases---

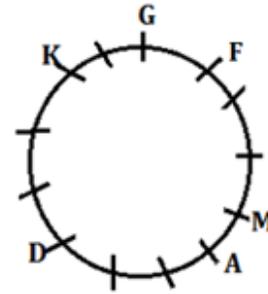
**Case-1**



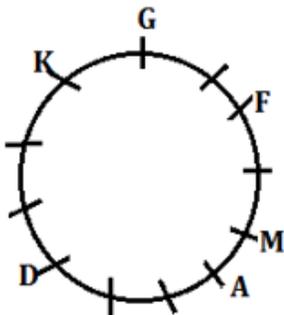
**Case-2**



**Case-3**



Less than thirteen persons sit around the table. So, from this case-1 and 3 gets eliminated. So, the final arrangement is---



**S41. Ans.(b)**

**Sol.**

Let cost price per kg of Type B wheat = x Rs.

And, Cost price per kg of type B wheat = 10x Rs.

Selling price of mixture of Type A & Type B wheat = 11x Rs.

Cost price per kg of mixture of Type A & Type B

$$\text{wheat} = 11x \times \frac{32}{55} = 6.4x \text{ Rs.}$$

ATQ -

Let N kg of type B wheat in mixture of 200 kg of

Type A & Type B of wheat

$$6.4x \times 200 = N \times x + 10x (200 - N)$$

$$1280 = N + 2000 - 10N$$

$$9N = 920$$

$$N = 80 \text{ kg}$$

$$\begin{aligned} \text{Required ratio} &= \frac{80}{120} \\ &= \frac{2}{3} \end{aligned}$$



**S42. Ans.(b)**

**Sol.** Initial investment of Veer, Sameer and Divyaraj =  $\frac{1806}{129} : \frac{1806}{301} : \frac{1806}{602} = 14 : 6 : 3$

Let Veer, Sameer and Divyaraj initial investment be  $14x$  Rs.,  $6x$  Rs. &  $3x$  Rs. Respectively Profit ratio of Veer, Sameer and Divyaraj

$$= (14x \times 6 + 14x \times \frac{2}{3} \times 6) : (6x \times 6 + 9x \times 6) : [3x \times 6 + (3x + 1800) \times 6]$$

$$= (84x + 56x) : (36x + 54x) : (18x + 18x + 10800)$$

ATQ -

$$\frac{140x}{90x+36x+10800} = \frac{10500}{20850-10500}$$

$$\frac{x}{(21x+1800)} = \frac{1}{23}$$

$$2x = 1800$$

$$x = 900 \text{ Rs.}$$

$$\text{Required difference} = 14 \times 900 - 6 \times 900$$

$$= 7200 \text{ Rs.}$$

**S43. Ans.(b)**

**Sol.** Let Shikha and Sameer have Rs.  $100x$   
Equivalent CI for two years at the rate of 10%

$$= 10 + 10 + \frac{10 \times 10}{100}$$

$$= 21\%$$

ATQ—

$$100x \times \frac{21}{100} = 100x \times \frac{2}{3} \times \frac{R \times 2}{100} + 100x \times \frac{1}{3} \times \frac{6.5 \times 2}{100}$$

$$21x = \frac{4x \times R}{3} + \frac{13x}{3}$$

$$63x = 4x \times R + 13x$$

$$4x \times R = 50x$$

$$R = \frac{50x}{4x}$$

$$R = 12.5\%$$

**S44. Ans.(d)**

**Sol.** Let speed of boat A & B in still water be  $4x$  km/hr and  $3x$  km/hr respectively.

Downstream speed of boat A =  $(4x + 4)$  km/hr

Downstream speed of boat B =  $(3x + 4)$  km/hr

AT Q -

$$12(4x + 4) - 16 = 2(3x + 4) + 12(3x + 4)$$

$$48x + 48 - 16 = 6x + 8 + 36x + 48$$

$$6x = 24$$

$$x = 4 \text{ km/hr}$$

Speed of boat A in still water =  $16$  km/hr

Speed of boat B in still water =  $12$  km/hr

Relative speed =  $(16 - 4) + (12 + 4) = 28$  km/hr

$$\text{Required time} = \frac{108}{28} = 3\frac{6}{7} \text{ hours}$$

**S45. Ans.(b)****Sol.**

Let efficiency of B = 100

So, efficiency of A = 120

And efficiency of C =  $100 \times \frac{80}{100} = 80$ Efficiency of D =  $\frac{100+120+80}{2} = 150$ 

Ratio of efficiency of A, B, C and D = 6 : 5 : 4 : 7.5

Let one day work of A, B, C &amp; D be 6x units,

5x units, 4x units &amp; 7.5x units respectively

ATQ -

Total work =  $7.5x \times 8 + (5x + 6x + 4x) \times 12$   
= 240x units

When B &amp; D work alternatively

First day by D = 7.5x units

Second day by B = 5x units

Two day work of =  $7.5x + 5x = 12.5x$  unitsIn 38 days total work =  $\frac{38}{2} \times 12.5x = 237.5x$  unitsRemaining work =  $240x - 237.5x = 2.5x$ Remaining work by D on 39 days =  $\frac{2.5x}{7.5x}$   
=  $\frac{1}{3}$  daysTotal time =  $38 \frac{1}{3}$  days**S46. Ans.(a)****Sol.**

Total applications in RRB PO exam

=  $15000 \times \frac{100}{24} = 62500$ 

Total applications in SBI CLERK exams

=  $52500 \times \frac{100}{42} = 125000$ Total applications rejected of online mode  
in RRB PO & SBI CLERK exam=  $62500 \times \frac{15}{100} \times \frac{2}{5} + 125000 \times \frac{16}{100} \times \frac{3}{10}$ 

= 3750 + 6000

= 9750

Total applications rejected of offline mode  
in RRB PO & SBI CLERK exam=  $62500 \times \frac{15}{100} \times \frac{3}{5} + 125000 \times \frac{16}{100} \times \frac{7}{10}$ 

= 5625 + 14000

= 19625

Required difference =  $19625 - 9750$ 

= 9875

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**S47. Ans.(e)****Sol.**

Total applicants appeared in SBI PO

$$\text{exam} = \frac{22500}{48} \times 100 \times \frac{96}{100} \times \frac{90}{100}$$

$$= 40500$$

Total applicants appeared in IBPS PO

$$\text{exam} = \frac{31500}{36} \times 100 \times \frac{80}{100} \times \frac{96}{100}$$

$$= 67200$$

$$\text{Required percentage} = \frac{67200 - 40500}{67200} \times 100$$

$$= 39 \frac{41}{56}\%$$

**S48. Ans.(d)****Sol.**

Total appeared applicants who get final selection in RRB PO exam

$$= 15000 \times \frac{100}{24} \times \frac{85}{100} \times \frac{80}{100} \times \frac{1.8}{100}$$

$$= 765$$

Total appeared applicants who get final selection in IBPS CLERK exam

$$= \frac{51750}{46} \times 100 \times \frac{80}{100} \times \frac{95}{100} \times \frac{2}{100}$$

$$= 1710$$

$$\text{Required sum} = 765 + 1710 = 2475$$

**S49. Ans.(c)****Sol.**

Total applications rejected of offline mode in SBI PO exam

$$= 22500 \times \frac{100}{48} \times \frac{4}{100} \times \frac{8}{15}$$

$$= 1000$$

Total applications rejected of offline mode in IBPS PO exam

$$= 31500 \times \frac{100}{36} \times \frac{20}{100} \times \frac{14}{25}$$

$$= 9800$$

$$\text{Required sum} = 1000 + 9800$$

$$= 10800$$

Total applications rejected in SBI CLERK exam

$$= 52500 \times \frac{100}{42} \times \frac{16}{100}$$

$$= 20000$$

$$\text{Required percentage} = \frac{10800}{20000} \times 100$$

$$= 54\%$$



**S50. Ans.(b)****Sol.** Total applications rejected in RRB PO exam

$$= 15000 \times \frac{100}{24} \times \frac{15}{100} = 9375$$

Total applications rejected of online mode in RRB PO exam

$$= 9375 - 15000 \times \frac{76}{24} \times \frac{15}{100}$$

$$= 9375 - 7125$$

$$= 2250$$

Total applications rejected in SBI CLERK

$$\text{exam} = 52500 \times \frac{100}{42} \times \frac{16}{100} = 20000$$

Total applications rejected of online mode in SBI CLERK exam

$$= 20000 - 52500 \times \frac{58}{42} \times \frac{24}{100}$$

$$= 20000 - 17400$$

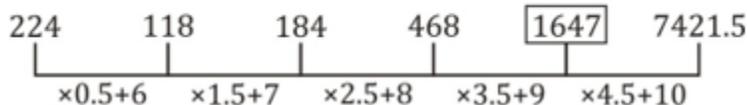
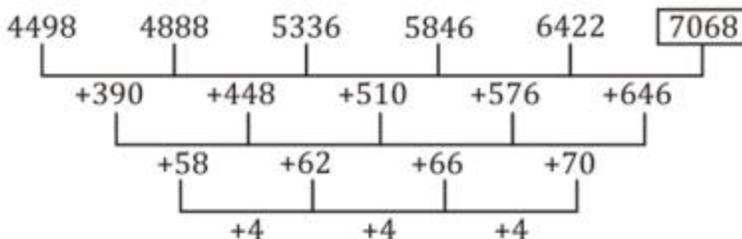
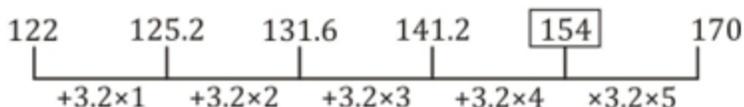
$$= 2600$$

$$\text{Required average} = \frac{2250+2600}{2}$$

$$= \frac{4850}{2} = 2425$$

**S51. Ans.(c)****Sol.** Wrong number = 1648

Pattern of series

**S52. Ans.(d)****Sol.** Wrong number = 7070**S53. Ans.(e)****Sol.** Wrong number = 152

TEST SERIES

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# IBPS RRB CLERK MAINS 2019

35 MOCK PAPERS

Validity : 12 Months

**S54. Ans.(b)****Sol.** Wrong number = 234

Pattern of series —

$140 = 84 + 7 \times 8$

$160 = 88 + 8 \times 9$

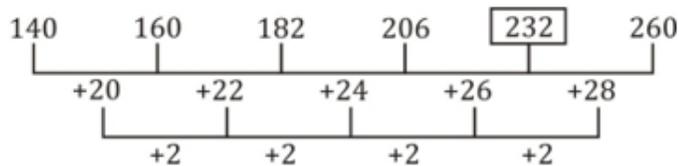
$182 = 92 + 9 \times 10$

$206 = 96 + 10 \times 11$

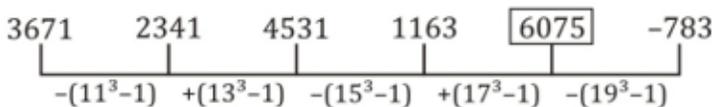
$\boxed{232} = 100 + 11 \times 12$

$260 = 104 + 12 \times 13$

or

**S55. Ans.(a)****Sol.** Wrong number = 6072

Pattern of series —

**S56. Ans.(b)****Sol.****In bucket P -**

Given,  $y = x + 3$  ----- (i)

$x = \frac{3y}{8}$  ----- (ii)

By solving (i) &amp; (ii) we get

Mangos (x) = 5

Bananas (y) = 8

Let the number of Orange be z.

Then,  $\frac{z}{13+z} = \frac{3}{16}$

$16z = 39 + 3z$

$z = 3$

**In bucket Q -**

Mangos =  $5 \times \frac{140}{100} = 7$

Let the number of Bananas be 'a' and

number of Orange be 'b'

$7 + a + b = 29$

$a + b = 22$

${}^a C_2 = 18$

${}^{29} C_2 = 203$

$\frac{a \times (a-1)}{2 \times 406} = \frac{18}{203}$

$a \times (a-1) = 72$

Bananas (a) = 9

Orange (b) = 12



**In bucket R -**

Let Mangos & Orange be 3x & 4x respectively

$$\frac{{}^{33}C_1}{{}^{33+3x}C_1} = \frac{3}{14}$$

$$\frac{3x}{33+3x} = \frac{3}{14}$$

$$14x = 33 + 3x$$

$$x = 3$$

Mangos = 9

Orange = 12

Bananas = 33 - (9 + 12) = 21

Total bananas in all three buckets = 8 + 9 + 21 = 38

**S57. Ans.(e)**

**Sol. In bucket P-**

Given,  $y = x + 3$  ----- (i)

$$x = \frac{3y}{8}$$
 ----- (II)

By solving (i) & (ii) we get

Mangos (x) = 5

Bananas (y) = 8

Let the number of Orange be z.

$$\text{Then, } \frac{z}{13+z} = \frac{3}{16}$$

$$16z = 39 + 3z$$

$$z = 3$$

**In bucket Q -**

$$\text{Mangos} = 5 \times \frac{140}{100} = 7$$

Let the number of Bananas be 'a' and number of Orange be 'b'

$$7 + a + b = 29$$

$$a + b = 22$$

$$\frac{{}^aC_2}{{}^{29}C_2} = \frac{18}{203}$$

$$\frac{a \times (a-1)}{2 \times 406} = \frac{18}{203}$$

$$a \times (a - 1) = 72$$

Bananas (a) = 9

Orange (b) = 12

**In bucket R -**

Let Mangos & Orange be 3x & 4x respectively

$$\frac{{}^{33}C_1}{{}^{33+3x}C_1} = \frac{3}{14}$$

$$\frac{3x}{33+3x} = \frac{3}{14}$$

$$14x = 33 + 3x$$

$$x = 3$$

Mangos = 9

Orange = 12

Bananas = 33 - (9 + 12) = 21

$$\text{Required probability} = \frac{5+7}{29+5} = \frac{6}{17}$$



**S58. Ans.(a)**

**Sol.**

**In bucket P -**

$$\text{Given, } y = x + 3 \text{ ----- (i)}$$

$$x = \frac{3y}{8} \text{ ----- (II)}$$

By solving (i) & (ii) we get

$$\text{Mangos (x) = 5}$$

$$\text{Bananas (y) = 8}$$

Let the number of Orange be z.

$$\text{Then, } \frac{z}{13+z} = \frac{3}{16}$$

$$16z = 39 + 3z$$

$$z = 3$$

**In bucket Q -**

$$\text{Mangos} = 5 \times \frac{140}{100} = 7$$

Let the number of Bananas be 'a' and  
number of Orange be 'b'

$$7 + a + b = 29$$

$$a + b = 22$$

$$\frac{{}^a C_2}{29 C_2} = \frac{18}{203}$$

$$\frac{a \times (a-1)}{2 \times 406} = \frac{18}{203}$$

$$a \times (a-1) = 72$$

$$\text{Bananas (a) = 9}$$

$$\text{Orange (b) = 12}$$

**In bucket R -**

Let Mangos & Orange be 3x & 4x respectively

$$\frac{{}^{3x} C_1}{33 + {}^{3x} C_1} = \frac{3}{14}$$

$$\frac{3x}{33+3x} = \frac{3}{14}$$

$$14x = 33 + 3x$$

$$x = 3$$

$$\text{Mangos} = 9$$

$$\text{Orange} = 12$$

$$\text{Bananas} = 33 - (9 + 12) = 21$$

$$\text{Bananas} = 33 - (9 + 12) = 21$$

$$\text{In bucket R Good orange} = 12 \times \frac{3}{4} = 9$$

$$\text{Total fruits} = 9 + 21 + 9$$

$$= 39$$

$$\text{Probability} = \frac{9}{39}$$

$$= \frac{3}{13}$$



S59. Ans.(b)

Sol.

Given, Distance = 128 km

**From I**

Ratio between time to reach destination

'D' and to return back from D = 2 : 1

Ratio of speed of P against the stream and

speed of P with the stream =  $\frac{1}{2} : 1 = 1 : 2$

From this we can find out the ratio between

speed of P in still water to speed of stream

= 3 : 1

**From II**

Ratio of speed of P in still water to speed

of P with the stream = 3 : 4

From this we can find out the ratio between

speed of P in still water to speed of stream

= 3 : 1

**From III**

Difference between Speed of P against the

stream and speed of P with the stream = 8 km/hr

So, By using I and III together or II and III

together we can find the answer.

S60. Ans.(a)

Sol.

Let Veer, Satish and Gopal can complete  
the work 'A' in x, y and z days respectively

$$\Rightarrow \frac{1}{x} + \frac{1}{y} + \frac{1}{z} = \frac{1}{10}$$

**From I**

$$\frac{1}{2x} + \frac{1}{2y} = \frac{1}{30}$$

**From II**

$$y = \frac{4}{5}z$$

and

$$y = x + 16$$

**From III**

$$\frac{5}{4}x = y$$

So, either statement 'I' alone or 'II' alone  
is sufficient to solve the question.



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**S61. Ans.(b)**

**Sol.**

**Quantity I -**

ATQ -

$$(Q + 36) \times \frac{60}{100} \times \frac{150}{100} = [(2Q + 42) \times \frac{54}{100}]$$

$$3(60Q + 2160) = 2(108Q + 2268)$$

$$180Q + 6480 = 216Q + 4536$$

$$36Q = 1944$$

$$Q = 54 \text{ l}$$

Total initial quantity of milk in mixture of vessel A & vessel B

$$= (54 + 36) \times \frac{7}{9} + (2 \times 54 + 42) \times \frac{2}{5}$$

$$= 70 + 60$$

$$= 130 \text{ l}$$

**Quantity II -**

ATQ -

Let mixture of mango juice and orange

juice in second vessel be 5y liter and 4y respectively

$$\frac{5y + 40 \times \frac{5}{8}}{4y + 40 \times \frac{8}{8}} = \frac{25}{19}$$

$$\frac{5y + 25}{4y + 40} = \frac{25}{19}$$

$$19y + 95 = 20y + 75$$

$$y = 20 \text{ l}$$

Initial quantity of mixture in second vessel =  $20 \times 9 = 180 \text{ l}$

**Quantity I < Quantity II**

ADDA247

**S62. Ans.(b)**

**Sol.**

Ratio between radius of sphere ball, cylinder  
and height of cylinder = 6 : 7 : 4

Let radius of sphere ball, cylinder and height of  
cylinder be 6x, 7x & 4x respectively

**Quantity I -**

$$\begin{aligned} \text{Required ratio} &= \frac{\pi \times 4x \times (7x)^2}{\frac{4}{3}\pi (6x)^3} \\ &= \frac{49}{72} \end{aligned}$$

**Quantity II -**

$$\begin{aligned} \text{Required ratio} &= \frac{4\pi(6x)^2}{2\pi 7x(7x+4x)} \\ &= \frac{72}{77} \end{aligned}$$

**Quantity I < Quantity II**

**S63. Ans.(e)**

**Sol. Quantity I-**

Area of semicircle - area of triangle

$$\begin{aligned} &= \frac{22}{7} \times \frac{28 \times 28}{2} - \frac{1}{2} \times 56 \times 28 \\ &= 1232 - 784 \\ &= 448 \text{ cm}^2 \end{aligned}$$

**Quantity II -**

Ratio of Length, breadth of a rectangle & side of square = 16 : 7 : 8

Let Length, breadth of a rectangle & side of square be 16x cm, 7x cm & 8x cm respectively

ATQ -

$$2(16x + 7x) - 4 \times 8x = 28 \text{ cm}$$

$$46x - 32x = 28$$

$$x = 2 \text{ cm}$$

$$\text{Area of rectangle} = (16 \times 2) \times (2 \times 7) = 448 \text{ cm}^2$$

**Quantity I = Quantity II**

**S64. Ans.(b)**

**Sol. Quantity I-**

Let veer invested Rs. P in both schemes

ATQ -

$$\frac{P \times 3 \times 25}{100} - P \left[ \left( 1 + \frac{20}{100} \right)^3 - 1 \right] = 385$$

$$\frac{3P}{4} - \frac{91P}{125} = 385$$

$$\frac{375P - 364P}{500} = 385$$

$$11P = 192500$$

$$P = 17500 \text{ Rs.}$$

**Quantity II -**

$$\begin{aligned} \text{Profit of Neeraj} &= 51150 \times \frac{13}{33} \\ &= 20150 \text{ Rs.} \end{aligned}$$

**Quantity I < Quantity II**

**S65. Ans.(a)**

**Sol. Quantity I-**

Probability of at most two students will solve the question

= 1 - probability of all three students will solve the question

$$= 1 - (0.5) \times (0.6) \times (0.3)$$

$$= 1 - 0.09$$

$$= 0.91$$

**Quantity II -**

Total balls = 5 + 7 = 12

Probability of getting at least 1 green ball

= 1 - probability of no green

$$= 1 - \frac{7}{44}$$

$$= \frac{37}{44} \approx 0.84$$

**Quantity I > Quantity II**



**S66. Ans.(b)****Sol.**Let total bike manufactured by all five companies =  $100x$ So, total bike manufactured by Honda =  $20x$ 

Ratio between total '200 CC' &amp; '150 CC bikes sold by Honda = 5 : 4

$$20x \times \frac{80}{100} \times \frac{5}{9} - 20x \times \frac{80}{100} \times \frac{4}{9} = 640$$

$$\frac{80x}{9} - \frac{64x}{9} = 640$$

$$x = 360$$

Total '200 CC' bike sold by Yamaha

$$= 36000 \times \frac{22}{100} \times \frac{75}{100} \times \frac{(100-70)}{100}$$

$$= 1782$$

**S67. Ans.(d)****Sol.**Let total bike manufactured by all five companies =  $100x$ 

$$\text{Total '150 CC' bike sold by Bajaj} = 100x \times \frac{25}{100} \times \frac{90}{100} \times \frac{40}{100}$$

$$= 9x$$

$$\text{Total '150 CC' bike sold by Hero} = 100x \times \frac{15}{100} \times \frac{90}{100} \times \frac{35}{100}$$

$$= 4.2x$$

$$\text{Required percentage} = \frac{9x-4.2x}{4.2x} \times 100 = 114\frac{2}{7}\%$$

**S68. Ans.(d)****Sol.**Let total bike manufactured by all five companies =  $100x$ 

ATQ -

$$22x \times \frac{75}{100} \times \frac{70}{100} - 18x \times \frac{80}{100} \times \frac{75}{100} = 450$$

$$11.55x - 10.8x = 450$$

$$0.75x = 450$$

$$x = 600$$

$$\text{Total bike manufactured by Hero \& Bajaj} = 60000 \times \frac{(15+25)}{100} \\ = 24000$$

**S69. Ans.(d)****Sol.**Let total bike manufactured by all five companies =  $100x$ 

$$15x \times \frac{75}{100} \times \frac{35}{100} + 25x \times \frac{80}{100} \times \frac{40}{100} + 18x \times \frac{90}{100} \times \frac{75}{100} = 23124$$

$$3.9375x + 8x + 12.15x = 23124$$

$$x = 960$$

$$\text{Total bike sold by Honda} = 96000 \times \frac{20}{100} \times \frac{80}{100} = 15360$$

S70. Ans.(e)

Sol.

Total '200 CC' bike manufactured by Honda

$$= 84000 \times \frac{20}{100} \times \frac{3}{5}$$
$$= 10080$$

Total '150 CC' bike sold by Yamaha

$$= 84000 \times \frac{22}{100} \times \frac{75}{100} \times \frac{(100-70)}{100}$$
$$= 4158$$

$$\text{Required percentage} = \frac{10080-4158}{10080} \times 100$$
$$= 58.75\%$$

S71. Ans.(d)

Sol.

Quantity of milk and water in vessel A

$$= \frac{90^\circ}{3.6} \times 4X + \frac{25}{100} \times X$$
$$= \frac{4X}{4} + \frac{X}{4}$$
$$= \frac{5X}{4} = 1.25X$$

$$1.25X = 125$$

$$X = 100$$

Milk and water in vessel B

$$= \frac{54^\circ}{3.6} \times 400 + \frac{15}{100} \times 100$$
$$= 60 + 15$$
$$= 75 \text{ L}$$

Milk and water in vessel E

$$= \frac{36^\circ}{3.6} \times 400 + \frac{10}{100} \times 100$$
$$= 40 + 10$$
$$= 50$$

$$\% \text{ required} = \frac{75-50}{50} \times 100$$

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

$$= 50\% \text{ more}$$

S72. Ans.(c)

Sol.

Given, Quantity of all vessel some milk and water in bigger vessel =

Milk in (A + B + C) 4X + Water in (A + B + C) X

$$= \frac{90^\circ}{3.6} + \frac{54^\circ}{3.6} + \frac{108^\circ}{3.6} 4X + \frac{(25 + 15 + 30)}{100} X$$



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$$= \frac{70}{100} 4X + \frac{70}{100} X$$

$$= 2.8X + 0.7X$$

$$2.8X = 518\ell$$

$$X = 185$$

Total mixture in (A + B + C)

$$= 185 \times 3.5$$

$$= 647.5$$

Milk and water in vessel (D + E)

$$= \frac{72^\circ}{3.6} + \frac{36^\circ}{3.6} 4X + \frac{(20 + 10)}{100} X$$

$$= 1.2X + 0.3X$$

$$= 1.5X$$

$$= 1.5 \times 185 = 277.5$$

$$\text{Difference} = 647.5 - 277.5 = 370 \ell$$

### S73. Ans.(b)

**Sol.** Milk in vessel C and D is

$$= \frac{108^\circ + 72^\circ}{3.6} 4X$$

$$= \frac{50}{100} 4X = 2X$$

Water in vessel C and D is

$$= \frac{30 + 20}{100} X$$

$$= 0.5 X$$

(Milk : Water) in vessel F

$$= 2X : .5X$$

$$= 4 : 1$$

According to question —

$$= \frac{4a - \frac{4}{5} \times 165}{a - \frac{1}{5} \times 165 + 29} = \frac{8}{3}$$

$$= \frac{4a - 132}{a - 4} = \frac{8}{3}$$

$$= (12a - 8a) = 396 - 32$$

$$4a = 364$$

$$a = 91$$

$$\text{now, } X = 2a$$

$$X = 182$$

Milk in vessel B

$$= \frac{54}{360} \times 182 \times 4$$

$$= 109.2 \ell$$



**S74. Ans.(a)****Sol.**

$$\text{Total} = 900 \ell$$

Milk in vessel A

$$= 900 \times \frac{90}{100} = 810 \ell$$

Water in vessel A

$$= \frac{900}{4} \times 1 = 225 \ell$$

$$\text{Total mixture (A)} = 810 + 225 = 1035 \text{ litre}$$

Milk in vessel B

$$= 900 \times \frac{54}{100} = 486 \ell$$

$$\text{Water} = \frac{486}{4} \times 1 = 121.5 \ell$$

$$\text{Total mixture (B)} = 486 + 121.5 = 607.5 \ell$$

Milk in vessel C

$$= 900 \times \frac{108}{100} = 972 \ell$$

$$= 972 \ell$$

$$\text{Water} = \frac{972}{4} \times 1 = 243 \ell$$

$$\text{Total mixture (C)} = 972 + 243 = 1215 \ell$$

$$\text{Total selling price} = 1035 \times 14 + 607.5 \times 15 + 1215 \times 16$$

$$= 14490 + 9112.5 + 19440$$

$$= 43042.5$$

Extra charged amount = total selling price - total milk price

$$\text{Milk price} = \frac{11868.75}{125} \times 100$$

$$= 9495$$

$$= 43042.5 - 9495$$

$$= 33547.5 \text{ Rs.}$$

**S75. Ans.(b)****Sol.**

Given

$$\frac{25}{100} \times X + \frac{90}{100} \times 4X = 200 \ell$$

$$X = 160 \text{ litre}$$

Mixture in vessel B

$$= 160 \times 4 \times \frac{54}{100} + 160 \times \frac{15}{100} = 120 \ell$$

$$= 120 \ell$$

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According to the question—

$$\frac{\text{Vessel A}}{\text{Vessel B}} = \frac{200 - (40 + 40)}{120 + (40 + 40)}$$

$$= \frac{120}{200} = 3:5$$

$$\text{Milk in vessel A} = 120 \times \frac{4}{5}$$

$$= 96\ell$$

$$\text{Water in vessel} = 200 \times \frac{1}{5} = 40\ell$$

$$\text{Ratio} = \frac{96}{40} = \frac{12}{5} = 12 : 5$$

### S76. Ans.(b)

**Sol.** Let the radius of sphere be x cm.

$$\Rightarrow \frac{4}{3}\pi(x)^3 = 18\left(\frac{1}{3}\pi \times (4\sqrt{3})^2 \times 4\right) + 12(\pi \times (4)^2 \times 6)$$

$$\Rightarrow \frac{4}{3}(x)^3 = 1152 + 1152 \text{ cm}^3$$

$$\Rightarrow x = 12 \text{ cm}$$

Then, total surface area of sphere =  $4\pi x^2$

$$= 4 \times \frac{22}{7} \times (12)^2$$

$$= 1810 \frac{2}{7} \text{ cm}^2$$

### S77. Ans.(c)

**Sol.** Possible cases

Girl Boy Boy or Boy Girls Boy or Boy Boy Girl

$$\frac{3}{8} = \left(\frac{x+2}{2x+2} \times \frac{2}{4} \times \frac{2}{3}\right) + \left(\frac{x}{2x+2} \times \frac{2}{4} \times \frac{2}{3}\right) + \left(\frac{x}{2x+2} \times \frac{2}{4} \times \frac{1}{3}\right)$$

$$\Rightarrow \frac{(2x+2) \times 4 \times 3}{2 \times 8} = \left(\frac{2(x+2)}{3} + \frac{2x}{3} + \frac{x}{3}\right)$$

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

$$\Rightarrow 9x + 9 = 10x + 8$$

$$\Rightarrow x = 1$$

### S78. Ans.(e)

**Sol.** Let length of train B be L meters and length of train A be (L + 60) meters

And also let the speed of train B and train A be V m/s and U m/s respectively.

When both trains travelling in opposite direction

$$\frac{(L+L+60)}{8} = U + V$$

$$\frac{2L+60}{8} = U + V \dots(i)$$

When both train running in same directions —

$$\frac{L+L+60}{56} = U - V$$

$$\frac{(2L+60)}{56} = U - V \dots(ii)$$

When length of train B is increased and both trains are running in same direction —

$$\frac{(1.25L+L+60)}{62} = U - V$$

$$\frac{2.25L+60}{62} = U - V \dots(\text{iii})$$

From (i) and (iii)

$$2U = \frac{2L+60}{8} + \frac{2.25L+60}{56}$$

$$U = \frac{16.25L+480}{112} \dots(\text{iv})$$

From (iii) and (ii)

$$\frac{2L+60}{56} = \frac{(2.25L+60)}{62}$$

$$L = 180$$

After solving (iii), (iv)

$$U = 30 \text{ m/s and } V = 22.5 \text{ m/s}$$

$$\text{Length of train A} = 180 + 60 = 240 \text{ meter}$$

$$\text{Length of bridge} = 240 + 240 \times \frac{25}{100} = 300 \text{ meters}$$

Time taken by train A to cross bridge

$$= \frac{300+240}{30}$$

$$= \frac{540}{30}$$

$$= 18 \text{ sec}$$

**S79. Ans.(a)**

**Sol.**

Ratio of ages of Veer, Sandeep and Satish be 4 : 6 : 3

Let their age be 4x yr, 6x yr and 3x yr respectively

Age of veer's wife = (66 - 4x) yr

Age of Sandeep's wife = (78 - 6x) yr

Atq,

$$\text{Age of Satish's wife} = \frac{3}{8} \times (66 - 4x + 78 - 6x)$$

$$= \frac{3}{8} \times (144 - 10x) \text{ yr}$$

Now,

$$\frac{4x}{\frac{3}{8}(144 - 10x)} = \frac{4}{3}$$

$$\Rightarrow 8x = 144 - 10x$$

$$\Rightarrow 18x = 144$$

$$\Rightarrow x = 8 \text{ yr}$$

$$\text{Required sum} = 8 \times (4 + 6 + 3) = 104 \text{ yr}$$

**S80. Ans.(b)**

**Sol.**

Ramesh has = (x + 18) kg

Suresh = (x + 18) + 12 = (x + 30) kg

Vikash = (x + 30) + 3 = (x + 33) kg



For Ramesh,

$$\text{First type of Apple} = (x + 18) \times \frac{5}{8} \text{ kg}$$

$$\text{2nd type of Apple} = (x + 18) \times \frac{3}{18} \text{ kg}$$

Atq,

$$\frac{(x + 18) \times \frac{5}{8} - 16 \times \frac{5}{8}}{(x + 18) \times \frac{3}{8} - 16 \times \frac{3}{8} + 12} = \frac{5}{6}$$

$$\Rightarrow \frac{(x + 18) \times \frac{5}{8} - 10}{(x + 18) \times \frac{3}{8} + 6} = \frac{5}{6}$$

$$\Rightarrow (x + 18) \times \frac{30}{8} - 60 = (x + 18) \times \frac{15}{8} + 30$$

$$\Rightarrow (x + 18) \times \frac{15}{8} = 90$$

$$\Rightarrow x = 30 \text{ kg}$$

For Vikash,

$$\text{Total quantity} = 63 \text{ kg}$$

$$\text{First type} = 63 \times \frac{4}{7} = 36 \text{ kg}$$

$$\text{Second type} = 63 \times \frac{3}{7} = 27 \text{ kg}$$

Atq,

$$\frac{36}{27 + y} = \frac{1}{1}$$

$$\Rightarrow y = 9 \text{ kg}$$

### S81. Ans.(e)

**Sol.** The most suitable option here is (e). We can deduce our answer from paragraph 2 where the reasons to strengthen the ties with Africa are highlighted from the first line itself. The text can be quoted as, "One of the reasons for India and China to strengthen their engagements with African countries is the availability of this region as a big market for their products. Oil needs are another factor for New Delhi and Beijing to focus on having close relations with the region. Mozambique has one of the world's richest off-shore natural gas reserves and massive deposits of coal." Option (a) is not mentioned anywhere in the passage, hence it is irrelevant and not the answer.

### S82. Ans.(c)

**Sol.** The whole passage is based upon how India and China are trying hard to establish good relations with African countries. But they themselves are involved in bilateral ties which is automatically going to affect their bilateral relations. As a whole only option (c) fulfills the requirement of the question. Option (e) is not mentioned anywhere in the passage.

### S83. Ans.(b)

**Sol.** The most suitable option here is option (b). We can refer to paragraph 2 for the deduction of the answer. It is mentioned that China used to send its high ranking officials on visits to boost ties with countries ties with countries of the African continent with its easy loan policy that has helped it to deepen its foothold in this region.

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**S84. Ans.(d)**

**Sol.** The likely outcome of China's easy loan policy towards African region has worked in India's favor. This can be inferred from paragraph 3 where it is mentioned that Africa sees China's this move as an inherent imperialistic maneuvering. "This only works in India's favor. Countries in this continent have taken renewed interest in reinventing their ties with India, especially since the formation of the India-Africa Forum Summit (IAFS) in 2008."

**S85. Ans.(d)**

**Sol.** The most appropriate answer according to the context is option (d). For the answer, we can refer to paragraph 4, where it is mentioned, "Djibouti is at the meeting point of the Indian Ocean and the Red Sea connecting Africa to Asia, and China's deepening military control in this country and beyond, has become another major factor for India to speed up its engagement with African countries."

**S86. Ans.(a)**

**Sol.** Renovation means restoration. The only word that matches the meaning of the given word is refurbishment.

Obsolescence means the process of becoming outdated.

Abolition means termination.

Demolition means destruction.

Fissure means split or crack (something) to form a long, narrow opening.

**S87. Ans.(b)**

**Sol.** Courting means pay special attention to (someone) in an attempt to win their support or favor.

Appealing is its synonym.

Shunning means persistently avoiding.

Eschewing means abstaining from.

Shirking means avoiding or neglecting.

Spurning means rejecting with disdain or contempt.

**S88. Ans.(b)**

**Sol.** Inherent means inborn. Innate means exactly the same.

Extraneous means of external origin.

Extrinsic means not part of the essential nature of someone or something; coming or operating from outside.

Superficial means existing or occurring at or on the surface.

Acquired means learn or develop.

**S89. Ans.(d)**

**Sol.** Maneuvering means carefully guide or manipulate (someone or something) in order to achieve an end.

Ingenuous means innocent and unsuspecting. Hence it is the opposite of the given word.

Intriguing means arising one's curiosity of interest.

Steering means following in a specified direction.

**S90. Ans.(e)**

**Sol.** Diaspora means migration. All the words in the options are the meanings of the given word. Only option (e) is the opposite of the given word. Hence option (e) is the answer.

**S91. Ans.(d)**

**Sol.** Option (d) is the appropriate choice. The answer can be deduced from paragraph 2 where it is mentioned, "India's interests in Iran are two-fold: the Chabahar Project and a significant chunk of India's oil imports come from Iran." Furthermore it is also stated that the Chabahar project is India's strategic roadmap to connect with Afghanistan and Central Asia. Thus both the options (b) and (c) consummate the requirement of the question.

**S92. Ans.(e)**

**Sol.** The correct option here is option (e). Refer to paragraph 4 where option (c) is stated directly as, "Prime Minister Modi's visit to Russia and Mrs. Swaraj meeting with her counterpart from Iran is not necessarily a shift but adhering to India's unequivocal stand on not relenting to these unilateral sanctions directly or indirectly." Also, refer to paragraph 1, "The Minister of External Affairs, Sushma Swaraj has made it clear that India only follows UN sanctions and does not recognize the unilateral sanctions by the United States."

**S93. Ans.(d)**

**Sol.** The most suitable option here is option (d). The answer can be referred from paragraph 2 where the author has explained about the paying of the significant chunks of oil imports that come from Iran. "The sanctions will render the use of dollars illegal by August 2018 because of CAATSA. Due to fears of the current financial embargo, it is becoming difficult for India to pay in Indian Rupees."

**S94. Ans.(b)**

**Sol.** The appropriate answer is option (b). We can deduce the answer from paragraph 3 where it is elaborated that India-Russia relationship is strained due to the U.S. sanctions over defence market of Russia. "One way which the U.S. sanctions are affecting this relationship is the S-400 Triumph sales to India. CAATSA threatens India's purchase of this missile system and has infuriated the Ministry of External Affairs and Ministry of Defense in India."

**S95. Ans.(c)**

**Sol.** Here option (c) is the correct choice. All of the given options are correct except option (c). This can be inferred from paragraph 2 where the text is quoted as, "The U.S. pulling out of the JCPOA poses a major threat to India's role in Afghanistan and its warm relations with Iran." There is no reference about India's relation with China in context of U.S. pulling out from JCPOA. Hence option (c) is the answer.

**S96. Ans.(c)**

**Sol.** Statements (B) and (C) can be joined together to form a meaningful sentence using the conjunction 'while'. "While" is used as a conjunction to refer 'during the time that; at the same time as'. Thus, the coherent sentence formed using the statements (B) and (C) is "Director General of Archeological Survey of India (ASI) will be responsible for maintenance of the Taj Mahal while joint secretary of Ministry of Environment and commissioner of Agra Division will jointly be in-charge of the Taj Trapezium Zone (TTZ)." All the other combinations fail to form a coherent sentence. Hence, option (c) is the most viable answer choice.

**S97. Ans.(b)**

**Sol.** Statements (A) and (D) can be combined successfully using the conjunction 'whereas'. "whereas" is used to refer 'in contrast or comparison with the fact that'. Therefore, using statements (A) and (D), the coherent sentence thus formed is "The authorities suspended the rail services in the Valley whereas the shutdown called by the separatists closed marketplaces and public transport services". All the other combinations fail to form a grammatically correct and contextually meaningful sentence. Hence, option (b) is the most viable answer choice.

**S98. Ans.(a)**

**Sol.** Statements (D) and (B) can be joined together using the conjunction 'since' to form a coherent sentence. 'Since' is used to express 'for the reason that; because'. Therefore, using the statements (D) and (B) the meaningful sentence thus formed is "Since a liberal trade regime results in cheaper imports and more competitive exports Arvind Panagariya argues that, any move that seeks to make imports costlier as an import-substitution regime should be avoided". All the other combinations fail to form a grammatically correct and contextually meaningful sentence. Hence, option (a) is the most viable answer choice.

**S99. Ans.(e)**

**Sol.** None of the given combinations can successfully form a coherent sentence using the conjunction "Once". "once" is used to refer 'as soon as; when'. As, none of the statements can be interlinked with each other therefore, option (e) is the most feasible answer choice.

**S100. Ans.(d)**

**Sol.** Combinations (C) - (D) and (C) - (A) can form grammatically correct and contextually meaningful sentences using the connector "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. Therefore, the meaningful sentences thus formed using the combination of statements (C) - (D) and (C) - (A) are "Netflix Calibrated Mode automatically adjusts picture settings when you're watching the built-in Netflix app so that the image resembles as closely as possible the way Netflix's content creators saw things when mastering their shows and movies" and "Netflix Calibrated Mode automatically adjusts picture settings when you're watching the built-in Netflix app so that a content creator can have the confidence that an end viewer can see exactly the images the Netflix content creators slaved so hard to create." All the other combinations do not form grammatically correct and meaningful sentences thus, option (d) is the most feasible answer choice.

**S101. Ans.(c)**

**Sol.** The error lies in parts (II) and (III) of the sentence. In part (II), since a single desire has been mentioned [to add a question on citizenship], "desires" should be replaced by "a desire". Moreover, in part (III), "at present" should be replaced by "shortly", as 'at present' is used to express a present event in present tense; while, "shortly" is used to refer a Future action in future indefinite [after President Donald Trump took office]. Since, expressions (II) and (III) are suitable to replace the incorrect parts, option (c) becomes the most viable answer choice.

**S102. Ans.(a)**

**Sol.** Part (II) of the sentence contains an error in it. It is to be noted that hardly, scarcely and barely are followed by 'when', while 'no sooner' is followed by 'than'. Moreover, in this sentence while using 'hardly', instead of 'when', 'if' can also be used as they both provide condition to make the sentence contextually correct. In addition to, "your" means belonging to or associated with the person or people that the speaker is addressing while, "you're" is a contraction of "you are". Part (I) and part (III) of the sentence are correct. Hence, option (a) is the most suitable answer choice.

**S103. Ans.(b)**

**Sol.** Only part (III) of the sentence contains error in it. To make the sentence correct, omit "does not" from clause followed by unless as if the clause after "unless" is negative, the negative of the clause and the implied negative of "unless" makes the total positive. It's the case of two negatives makes positive in a sentence. Parts (I) and (II) of the sentence are grammatically correct and contextually meaningful. Hence, option (b) becomes the most viable answer choice.

**S104. Ans.(e)**

**Sol.** All the parts of the given sentence are grammatically correct and contextually meaningful. Therefore, they do not need any replacements. Hence, option (e) is most suitable answer choice.

**S105. Ans.(c)**

**Sol.** All the three parts of the sentence contain error in them. It is to be noted that to make the first part of the sentence grammatically correct, replace "Purplish-green small" by "Small purplish-green", since while describing a noun with adjective of size and adjective of colour, then the chronological order of the adjectives should be size and then colour. Moreover, in part (II) "within" should be replaced by "by" as the phrase 'characterized by' means 'identified by'. Since, part (III) describes the qualities of the flower, replacing expression (II) will provide more appropriate context to the sentence. In addition to, "horning" should be replaced by "horn-like" since 'horn-like' can be used as an adjective to describe the extensions. Also, article 'a' should be added before "jester's cap". Since all the given expressions are appropriate to replace the incorrect phrases of the sentence, option (c) becomes the most feasible answer choice.

**S106. Ans.(a)**

**Sol.** Both the starters (i) and (ii) can be used to frame a meaningful sentence without altering the exact meaning of the given sentences. However, it is not possible to construct a contextual sentence using the third starter as it would alter the intended meaning. Hence option (a) is the correct choice.

(i) Analysing Trump's desire to improve relations with Russia, the editorial pointed out that Trump values strength and attaches importance to military strength especially nuclear strength.

(ii) The editorial analyzed Trump's desire to improve relations with Russia and pointed out that Trump values strength and attaches importance to military strength especially nuclear strength.

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**S107. Ans.(c)**

**Sol.** Only the (iii) starter can be used to frame a meaningful sentence without altering the exact meaning of the given sentences. However, it is not possible to construct a contextual sentence using the first and second starters as it would alter the intended meaning. Hence option (c) is the correct choice.

(iii) With regard to the use of the trade mark and brand names, the ministry has proposed to cap royalty payments at 1 per cent of sales and 2 per cent of exports of an entity.

**S108. Ans.(d)**

**Sol.** All the three starters can be used to frame a meaningful sentence without altering the intended meaning of the given sentences. Hence option (d) is the correct choice.

(i) Owing to unwanted devices or unauthorized users that initiates network breaches, security issues are rising which is the key factor in boosting the level of adoption for network access control solutions.

(ii) Because of unwanted devices or unauthorized users that initiates network breaches, security issues are rising which is the key factor in boosting the level of adoption for network access control solutions.

(iii) Rising security issues owing to unwanted devices or unauthorized users that initiate network breaches is the key factor that is boosting the level of adoption for Network Access Control solutions.

**S109. Ans.(d)**

**Sol.** All the three starters can be used to frame a meaningful sentence without altering the intended meaning of the given sentences. Hence option (d) is the correct choice.

(i) Given how Flipkart has been around for more than 10 years now and Amazon for at least five, the government's e-commerce policy is almost an afterthought.

(ii) Owing to the fact that Flipkart has been around for more than 10 years now and Amazon for at least five, the government's e-commerce policy is almost an afterthought.

(iii) Considering Flipkart has been around for more than 10 years now and Amazon for at least five, the government's e-commerce policy is almost an afterthought.

**S110. Ans.(a)**

**Sol.** Both the starters (i) and (ii) can be used to frame a meaningful sentence without altering the exact meaning of the given sentences. However, it is not possible to construct a grammatically correct sentence using the third starter as "in spite" should be followed by the preposition "of". Hence option (a) is the correct choice.

(i) Despite its many shortcomings, the much reviled-education system, introduced by the British, had been successful in promoting upward mobility on a truly large scale.

(ii) However, the much reviled- education system, introduced by the British has many shortcomings, it had been successful in promoting upward mobility on a truly large scale.

**S111. Ans.(b)**

**Sol.** The paragraph is describing about the issues undertaken by the RBI and formulation of policies to benefit the society in whole. Among the given highlighted words, 'reckless' is incorrectly used as the later part of the sentence has mentioned about the policies to fight inflation. Thus, the most suitable word in place of reckless should be "prudent" as it means acting with or showing care and thought for the future. All the other words are completely adhering to the theme of the paragraph. Hence, option (b) is the most suitable answer choice.

Benchmark means a standard or point of reference against which things may be compared.

Mounting means grow larger or more numerous.

**S112. Ans.(b)**

**Sol.** Among the highlighted words, 'regarding' does not fit into the theme of the paragraph. Also, the sentence mentions about the "volatility" as well as "recent softening" of crude oil prices. Thus, the most appropriate that would justify replacing "regarding" is "notwithstanding" as it means "in spite of". All the other words are grammatically as well as contextually correct. Therefore, option (b) becomes the most suitable answer choice.

Volatility means liability to change rapidly and unpredictably, especially for the worse.

Vulnerability means the quality or state of being exposed to the possibility of being attacked or harmed, either physically or emotionally.

Disruptions means disturbance or problems which interrupt an event, activity, or process.

**S113. Ans.(b)**

**Sol.** The inaccurate word among the highlighted words is "stabilization". It is to be noted that the sentence of the paragraph is illustrating about the concerns or issues to be considered by RBI. Therefore, a word similar meaning of "slippage" should be used in place of "stabilization" as "Slippage" means 'the action or process of slipping or subsiding'. All the other words are grammatically and contextually correct. Hence, option (b) is the most suitable answer choice.

Staggered means walk or move unsteadily, as if about to fall.

Revisions means the action of revising.

**S114. Ans.(e)**

**Sol.** The paragraph is describing about the issues undertaken by the RBI and formulation of policies to benefit the society in whole. All the given words are correct with reference to the theme of the paragraph. Hence, option (e) becomes the most suitable answer choice.

Deficient means not having enough of a specified quality or ingredient.

Sown means plant (seed) by scattering it on or in the earth.

**S115. Ans.(a)**

**Sol.** The previous sentence has mentioned about the shortfalls of rain in many parts of the country. Due to shortfalls, the authority has marked to pay attention towards the rain for the remaining season. Thus, to make the next sentence coherent to the paragraph, replace the word "generated" by "flagged" or a word similar in meaning. "flagged" means mark (an item) for attention or treatment in a specified way. However, all the other words are precisely in context of the paragraph. Hence, option (a) is the most suitable answer choice.

Imbalances means lack of proportion or relation between corresponding things.

Hardening means make or become more severe and less sympathetic.

**S116. Ans.(c)**

**Sol.** courteous is an antonym of Churlish.

Churlish means rude in a mean-spirited and surly way.

Courteous means polite, respectful, or considerate in manner.

**S117. Ans.(c)**

**Sol.** Creativity is a synonym of Ingenuity.

Ingenuity means the quality of being clever, original, and inventive.

Creativity means the use of imagination or original ideas to create something; inventiveness.

**S118. Ans.(c)**

**Sol.** Original is an antonym of Facsimile.

Facsimile means an exact copy, especially of written or printed material.

**S119. Ans.(b)**

**Sol.** Augury means a sign of what will happen in the future; an omen.

**S120. Ans.(e)**

**Sol.** Inappropriate is an antonym of felicitous.

Felicitous means well-chosen or suited to the circumstances.

**S121. Ans.(b)**

**Sol.** Data integrity is the overall completeness, accuracy and consistency of data. This can be indicated by the absence of alteration between two instances or between two updates of a data record, meaning data is intact and unchanged.

**S122. Ans.(c)**

**Sol.** A foreign key is a column or group of columns in a relational database table that provides a link between data in two tables. It acts as a cross-reference between tables because it references the primary key of another table, thereby establishing a link between them.

**S123. Ans.(c)**

**Sol.** An embedded system is a computer system with a dedicated function within a larger mechanical or electrical system, often with real-time computing constraints.

**S124. Ans.(b)**

**Sol.** A bridge is a network device used at the data link layer to connect two dissimilar networks as well as similar networks.

**S125. Ans.(b)**

**Sol.** Digital plotter used in CAD systems.

**S126. Ans.(a)**

**Sol.** Encryption is the process of converting information or data into a code, especially to prevent unauthorized access.

**S127. Ans.(a)**

**Sol.** Swapping concept comes in terms of process scheduling. Scheduler removes process from CPU for duration and reduces the degree of multiprogramming. And after some time, these processes can again be reintroduced into main memory.

**S128. Ans.(d)**

**Sol.** Drop Down menu is also called drop down list or pull-down list.

**S129. Ans.(a)**

**Sol.** Star topology is a network topology where each individual piece of a network is attached to a central node (often called a hub or switch).

**S130. Ans.(b)**

**Sol.** key logging is a type of surveillance software that once installed on a system, has the capability to record every keystroke made on that system.

**S131. Ans.(e)**

**Sol.** URL consists Method, Host Computer, Path name and Optional Port Number to locate information on the WWW.

**S132. Ans.(b)**

**Sol.** Data warehousing is the process of constructing and using a data warehouse. A data warehouse is constructed by integrating data from multiple heterogeneous sources that support analytical reporting, structured and/or ad hoc queries, and decision making. Data warehousing involves data cleaning, data integration, and data consolidations.

**S133. Ans.(b)**

**Sol.** A multi valued attribute can have more than one value at a time for an attribute. For ex., skills of a surgeon are a multi valued attribute since a surgeon can have more than one skill. It represents double ellipses in E-R diagram.

**S134. Ans.(a)**

**Sol.** Cache memory is a small-sized type of volatile computer memory that provides high-speed data access to a processor and stores frequently used computer programs, applications and data. Cache is the fastest memory in a computer.

**S135. Ans.(b)**

**Sol.** Trap door is the new jargon for Backdoor Programs or Backdoor virus in Software field. A trap door is a secret entry point into a program that allows someone that is aware of the trap door to gain access without going through the usual security access procedures.

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**S136. Ans.(a)**

**Sol.** ISDN stands for Integrated Services Digital Network.

**S137. Ans.(a)**

**Sol.** TeamViewer is a proprietary computer software package for remote connection, desktop sharing, online meetings, web conferencing and file transfer between computers.

**S138. Ans.(a)**

**Sol.** A register may hold an instruction, a storage address, or any kind of data (such as a bit sequence or individual characters)

**S139. Ans.(d)**

**S140. Ans.(d)**

**Sol.** Fiber optic cables transmit signals in the form of optical signals over a narrow glass fiber stand.

**S141. Ans.(c)**

**S142. Ans.(c)**

**Sol.** Through Telnet, an administrator or another user can establish a connection to someone else's computer remotely. On the Web, HTTP and FTP protocols allow you to request specific files from remote computers, but not to actually be logged on as a user of that computer.

**S143. Ans.(c)**

**Sol.** Formatting any kind of data storage disk means erasing the data that it have.

**S144. Ans.(a)**

**Sol.** A control bus is a computer bus that is used by the CPU to communicate with devices that are contained within the computer. This occurs through physical connections such as cables or printed circuits.

**S145. Ans.(a)**

**Sol.** The point of sale or point of purchase is the time and place where a retail transaction is completed.

**S146. Ans.(c)**

**S147. Ans.(d)**

**Sol.** Booting is a startup sequence that starts the operating system of a computer when it is turned on. A boot sequence is the initial set of operations that the computer performs when it is switched on. Every computer has a boot sequence.

**S148. Ans.(b)**

**Sol.** LANs can be connected by bridges. Bridge is a device used to connect two separate Ethernet networks into one extended Ethernet.

**S149. Ans.(e)**

**Sol.** Encryption and Decryption are the functions of presentation layer.

**S150. Ans.(d)**

**Sol.** Physical layer is closest to transmission medium.

**S151. Ans.(a)**

**Sol.** Tab Key can be used for indentation.

**S152. Ans.(d)**

**Sol.** Delegate Access is a more advanced feature than just sharing your Outlook folders. If you want to grant additional permissions, such as allowing a delegate the ability to create e-mail messages or respond to meeting requests on your behalf, you must use Delegate Access.

**S153. Ans.(a)**

**Sol.** Main memory is closely related to processor. Therefore, the data, which is available in the main memory, is processed much faster than that in the secondary memory.

**S154. Ans.(b)**

**Sol.** The operation of combining two cells into a single cell in Excel is referred to as merge cells.

**S155. Ans.(a)**

**Sol.** One nibble is equivalent to 4 bits. It is also known as half byte.

**S156. Ans.(c)**

**S157. Ans.(d)**

**Sol.** A computer checks the database of usernames and passwords for a match before granting access.

**S158. Ans.(a)**

**Sol.** An arithmetic logic unit (ALU) is a digital circuit used to perform arithmetic and logic operations. It represents the fundamental building block of the central processing unit (CPU) of a computer.

**S159. Ans.(e)**

**Sol.** Telnet is a user command and an underlying TCP/IP protocol for accessing remote computers. Through Telnet, an administrator or another user can access someone else's computer remotely.

**S160. Ans.(d)**

**Sol.** All these formats can be added to a PPT.

**S161. Ans.(c)**

**Sol.** The report by the expert committee on economic capital framework (ECF) that is expected to spell out details regarding how the Reserve Bank of India (RBI) should handle its reserves and whether it can transfer its surplus to the government. Former RBI Governor Bimal Jalan is the head of the panel.

**S162. Ans.(c)**

**Sol.** Dominic Thiem beat Daniil Medvedev to Clinch The Barcelona Open 2019 Title.

**S163. Ans.(a)**

**Sol.** Senior Citizen Savings Scheme (SCSS) Account- An individual of the Age of 60 years or more may open the account.

**S164. Ans.(b)**

**Sol.** Air Marshal Rakesh Kumar Singh Bhadauria has been appointed as the new Vice Chief of Indian Air Force (IAF). He succeeded Air Marshal Anil Khosla.

**S165. Ans.(b)**

**Sol.** In money market, the amount that is lent for one day is known as “call money” and, if it exceeds one day or two days to 14 days is referred to as “notice money.”

**S166. Ans.(d)**

**Sol.** Pramod Pandurang Sawant is an Indian politician who is the 13th and current Chief Minister of Goa. Sawant represents the Sanquelim constituency in the Goa Legislative Assembly and is a member of the Bharatiya Janata Party.

**S167. Ans.(e)**

**Sol.** NSDL, the first and largest depository in India, established in August 1996 and promoted by institutions of national stature responsible for economic development of the country has since established a national infrastructure of international standards that handles most of the securities held and settled in dematerialised form in the Indian capital market.

**S168. Ans.(b)**

**Sol.** Journalist and writer Raghu Karnad won the \$165,000 Windham-Campbell Prize in the non-fiction category for his debut book, The Farthest Field: An Indian Story Of The Second World War.

**S169. Ans.(b)**

**Sol.** The Centre, the Tamil Nadu Government(GoTN) and the World Bank have signed a \$287-million loan agreement for the Tamil Nadu Health System Reform Programme (TNHSRP). TNHSRP aims to improve the quality of healthcare, reduce the burden of non-communicable diseases (NCDs), and fill equity gaps in reproductive and child health services in the State

**S170. Ans.(d)**

**Sol.** The key elements of the creative concept for the FIFA Women's World Cup 2019 – captured by the tournament's Official Slogan: Dare to Shine

**S171. Ans.(d)**

**Sol.** A truncated cheque means a cheque which is truncated during the course of clearing cycle either by the clearing house or by the bank.

**S172. Ans.(c)**

**Sol.** India has notified a tax information exchange agreement (TIEA) with the Marshall Islands, enabling bilateral sharing of banking information and allowing officials of one country to undertake tax examinations in the other

**S173. Ans.(a)**

**Sol.** P V Bharathi has been appointed as managing director and chief executive officer of the Corporation Bank.

**S174. Ans.(a)**

**S175. Ans.(a)**

**Sol.** Nepal successfully launched its first satellite NepaliSat-1 into space from America, evoking unbridled excitement among the people and scientists.

**S176. Ans.(b)**

**Sol.** Richard Powers has been honoured with the 2019 Pulitzer Prize in fiction category for his innovative novel 'The Overstory', which shows us the world through the perspective of nature.

**S177. Ans.(a)**

**Sol.** RNBCs stands for Residuary Non-Banking Companies.

**S178. Ans.(e)**

**Sol.** SBI General Insurance has launched a product to protect businesses from financial and reputational losses due to cyber-attacks.

**S179. Ans.(b)**

**Sol.** ECB can be raised under Track II for general corporate purpose (including working capital). The minimum average maturity period will be 10 years.

**S180. Ans.(b)**

**Sol.** The first-year premium of life insurers increased by 10.73 per cent to ₹2,14,673 crore in FY19 from ₹1,93,866 crore in FY18. This marks about 300-basis point decrease in the growth. The first-year premium had increased by 13.5 per cent in FY18.

**S181. Ans.(d)**

**Sol.** Stock Holding Corporation of India Ltd (SHCIL), India's largest custodian and depository participant.

**S182. Ans.(b)**

**Sol.** Butterfly species Tamil yeoman has been officially declared as state butterfly of Tamil Nadu.

**S183. Ans.(d)**

**Sol.** The promoters of Small Finance Banks should have 10 years experience in banking and finance.

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**S184. Ans.(b)**

**Sol.** Former Dena Bank MD Karnam Sekar has taken over as the new Managing Director and CEO of Indian Overseas Bank

**S185. Ans.(d)**

**Sol.** Prompt Corrective Action or PCA is a framework under which banks with weak financial metrics are put under watch by the RBI. The PCA framework deems banks as risky if they slip below certain norms on three parameters — capital ratios, asset quality and profitability.

**S186. Ans.(b)**

**Sol.** AXIS Bank Limited won the Finance Organisation of the Year during the 3rd edition of the UK-India Awards.

**S187. Ans.(b)**

**Sol.** The financial system in India is regulated by independent regulators in the field of banking, insurance, capital market, commodities market, and pension funds. Example of Financial Regulators: RBI, IRDAI, SEBI, PFRDA.

**S188. Ans.(b)**

**Sol.** ICICI Bank announced that it has partnered with IndoStar Capital Finance Limited (IndoStar), a systemically important Non-Banking Finance Company (NBFC), to finance small and medium fleet owners to purchase used and new commercial vehicles (CV).

**S189. Ans.(b)**

**Sol.** Nicosia is the capital of Cyprus. Nicos Anastasiades is the President of Cyprus.

**S190. Ans.(b)**

**Sol.** The Rihand dam has been built across Rihand River a tributary of Sone river, near Pipri in the Sonbhadra district of Uttar Pradesh. The concrete gravity dam has its maximum height that is 91m.

**S191. Ans.(a)**

**Sol.** Ministry of AYUSH (MOA) and Ministry of Electronics and Information Technology (MeitY) have signed MOU at New Delhi for collaborating with each other for digitization of AYUSH Sector. MeitY has agreed to advise and give technical support to MOA for planning and development of AYUSH GRID Project.

**S192. Ans.(a)**

**Sol.** Sol. The former Ethiopian president, Dr Negasso Gidada had passed away in Germany where he was undergoing medical treatment. Negasso was 75 years old. He was the president of Ethiopia between 1995 and 2001.

**S193. Ans.(a)**

**Sol.** DBS Banks is a multinational banking and financial services corporation headquartered in Marina Bay, Singapore. The company was known as The Development Bank of Singapore Limited. The bank was set up by the Government of Singapore in July 1968 to take over the industrial financing activities from the Economic Development Board.

**S194. Ans.(b)**

**Sol.** Reliance Jio Infocomm has partnered with US social media giant, Facebook Inc, to launch a countrywide digital literacy drive, christened, Digital Udaan, for its growing base of JioPhone users and other first-time internet users.

**S195. Ans.(b)****S196. Ans.(c)**

**Sol.** NTPC Dadri or National Capital Power Station (NCPS) owned and operated by NTPC is located in the Gautam Budh Nagar district of Uttar Pradesh, about 48km from the Indian capital New Delhi.

**S197. Ans.(d)**

**Sol.** Balpakram National Park is a national park ranging from under 200 to over 800 meters above sea level, near the Garo Hills in Meghalaya, India.

**S198. Ans.(b)****S199. Ans.(a)**

**Sol.** Lal Bahadur Shastri International Airport (IATA: VNS, ICAO: VEBN) is a public airport located at Babatpur 26 km (16 mi) northwest of Varanasi, Uttar Pradesh, India.

**S200. Ans.(c)**

**Sol.** The first-ever World Food Safety Day, adopted by the United Nations General Assembly in December 2018, was celebrated on 7 June 2019 under the theme "Food Safety, everyone's business".

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