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# NIACLAO Mains 2018 Answer Sheet

## Solutions

1. Ans. C.

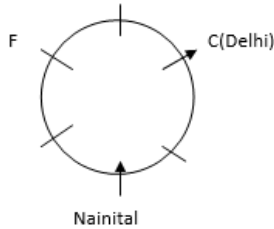
i) C likes Delhi and sits second to the right of one who likes Nainital.

ii) F sits second to the left of C.

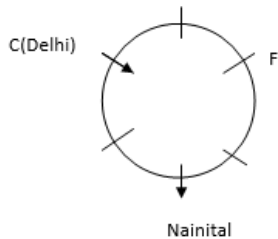
iii) F does not like Nainital.

(so, we get 2 possible cases here)

Case 1:



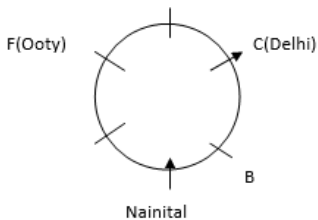
Case 2:



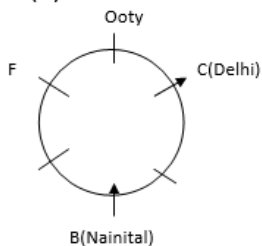
iv) One who likes Ooty sits exactly opposite to B.

(so, we get another possibilities here).

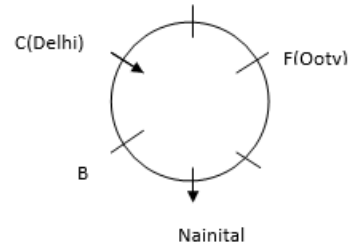
Case 1(a):



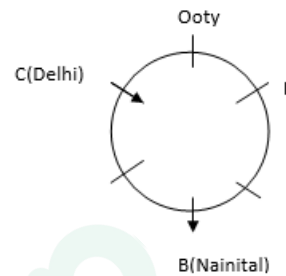
Case 1(b):



Case 2(a):



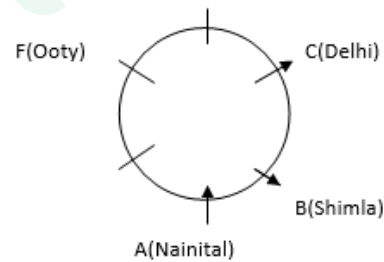
Case 2(b):



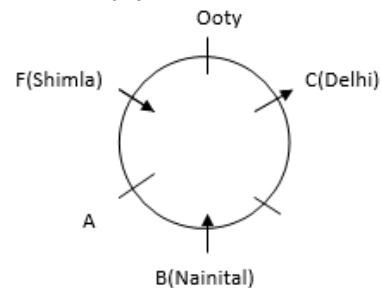
v) C is not a neighbor of A.

vi) A sits to the immediate right of person who belongs to Shimla.

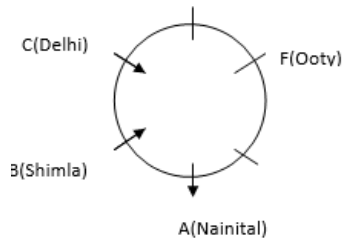
Case 1(a):



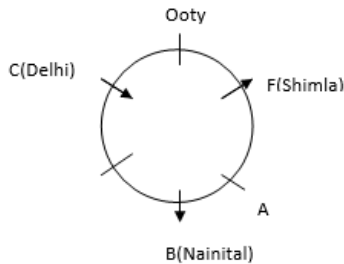
Case 1(b):



Case 2(a):

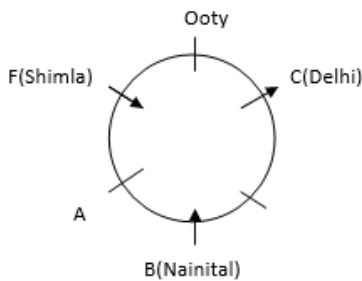


Case 2(b):

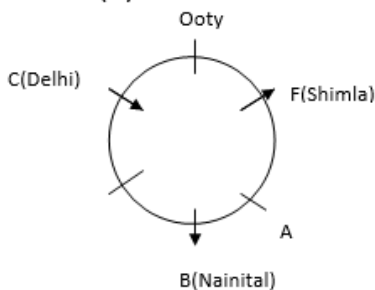


vii) B does not belong to Shimla. (so, case 1(a) and case 2(a) gets eliminated here)

Case 1(b) :

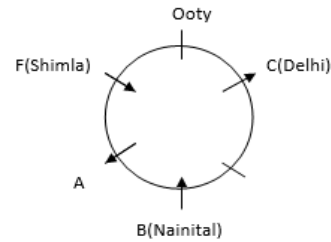


Case 2(b):

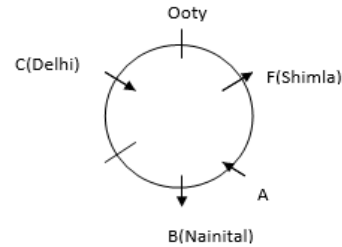


viii) It is given that not more than 2 persons sitting adjacent to each other faces same direction. (so, A direction can be concluded in both the cases).

Case 1(b) :

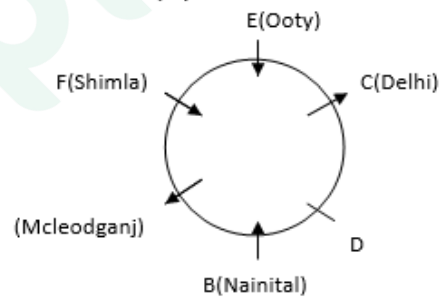


Case 2(b):

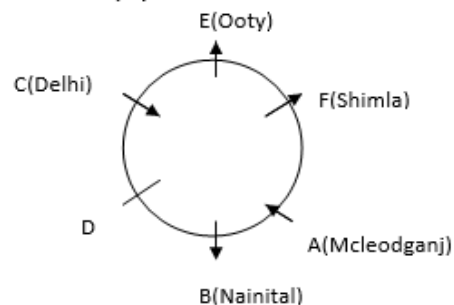


ix) E faces same direction as that of F.  
x) D sits second to the left of one who likes Mcleodganj.

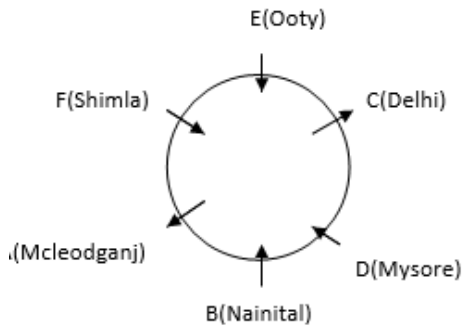
Case 1(b) :



Case 2(b):



xi) Case 2(b) gets eliminated here as not more than 2 people faces outside. After filling the remaining data,



Option c) is the correct answer as C faces outside.

2. Ans. D.

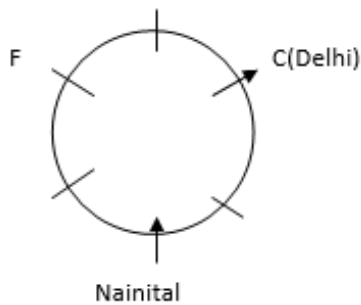
i) C likes Delhi and sits second to the right of one who likes Nainital.

ii) F sits second to the left of C.

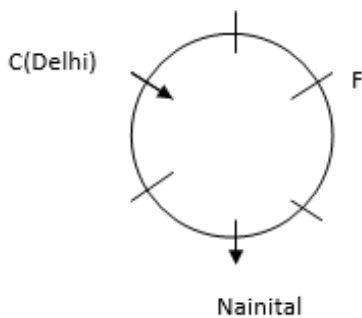
iii) F does not like Nainital.

(so, we get 2 possible cases here)

Case 1:



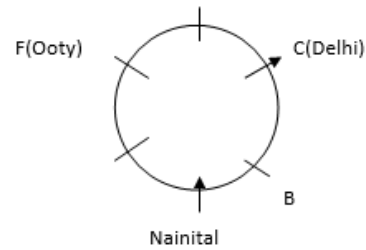
Case 2:



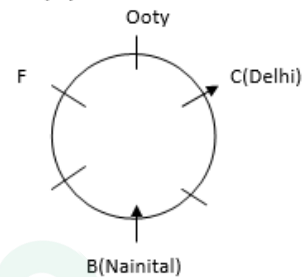
iv) One who likes Ooty sits exactly opposite to B.

(so, we get another possibilities here).

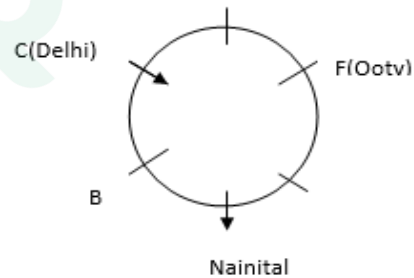
Case 1(a):



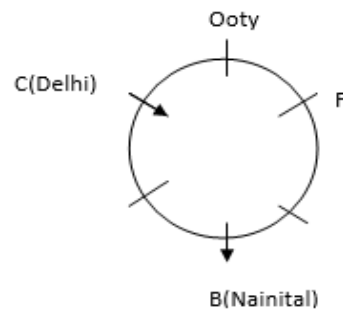
Case 1(b):



Case 2(a):



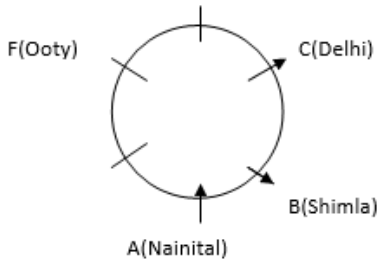
Case 2(b):



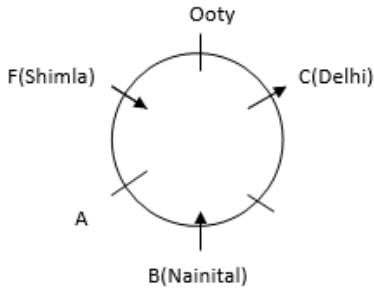
v) C is not a neighbor of A.

vi) A sits to the immediate right of person who belongs to Shimla.

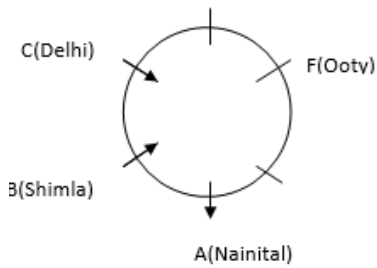
Case 1(a):



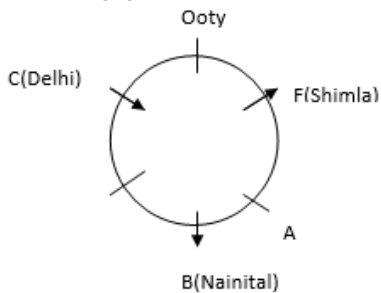
Case 1(b) :



Case 2(a):

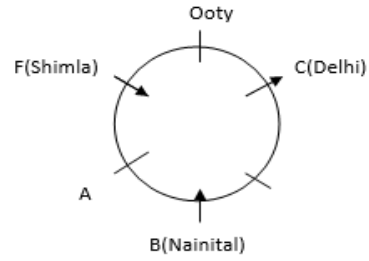


Case 2(b):

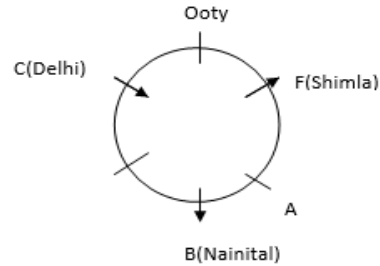


vii) B does not belong to Shimla.  
 (so, case 1(a) and case 2(a) gets eliminated here)

Case 1(b) :



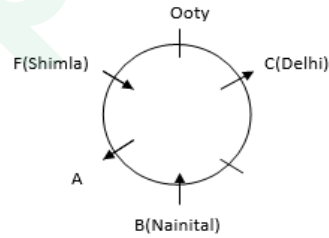
Case 2(b):



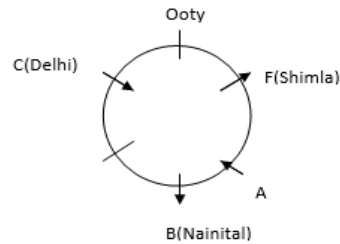
viii) It is given that not more than 2 persons sitting adjacent to each other faces same direction.

(so, A direction can be concluded in both the cases).

Case 1(b) :

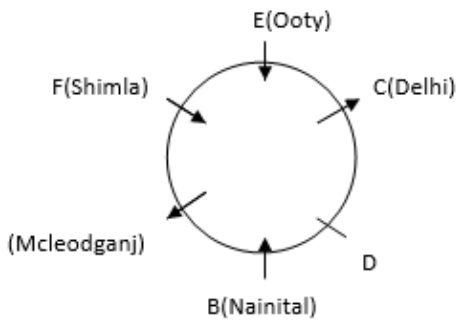


Case 2(b):

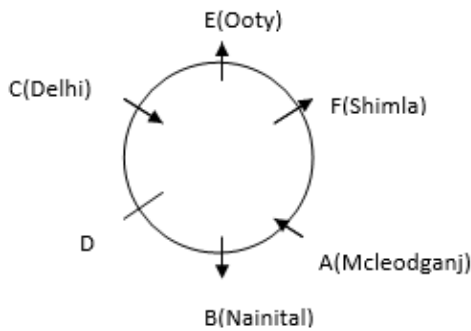


ix) E faces same direction as that of F.  
 x) D sits second to the left of one who likes Mcleodganj.

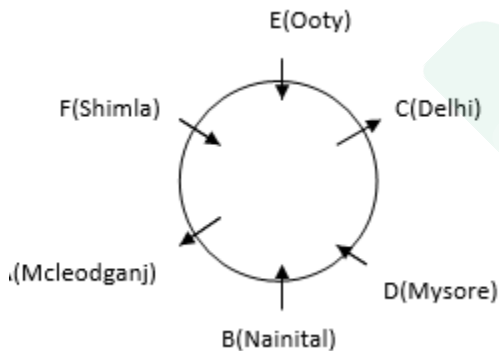
Case 1(b) :



Case 2(b):



xi) Case 2(b) gets eliminated here as not more than 2 people faces outside. After filling the remaining data,



Option d) is the correct answer as D likes Mysore.

3. Ans. D.

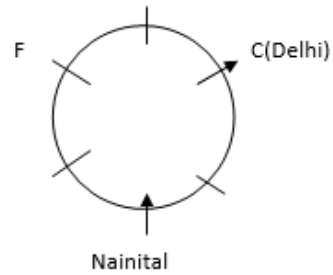
i) C likes Delhi and sits second to the right of one who likes Nainital.

ii) F sits second to the left of C.

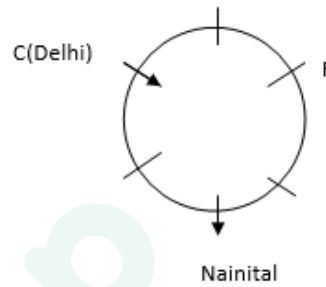
iii) F does not like Nainital.

(so, we get 2 possible cases here)

Case 1:

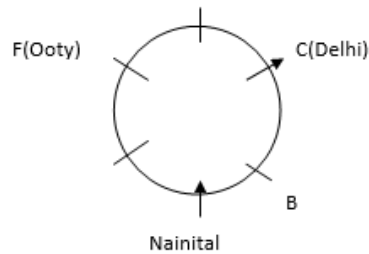


Case 2:

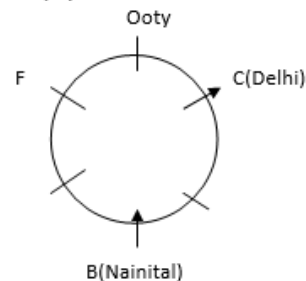


iv) One who likes Ooty sits exactly opposite to B. (so, we get another possibilities here).

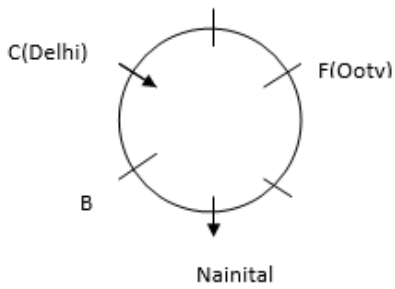
Case 1(a):



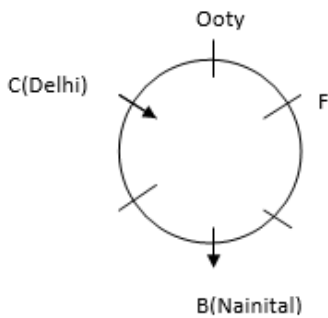
Case 1(b) :



Case 2(a):

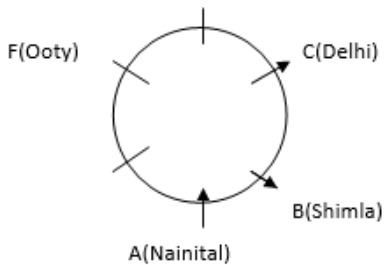


Case 2(b):

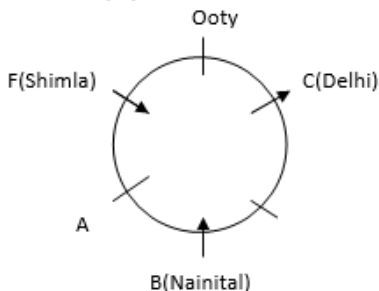


- v) C is not a neighbor of A.
- vi) A sits to the immediate right of person who belongs to Shimla.

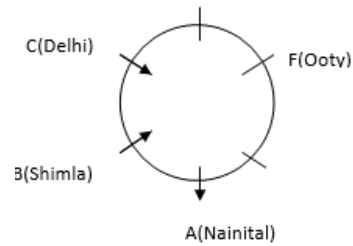
Case 1(a):



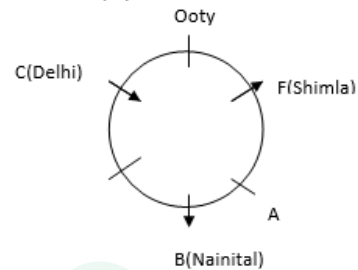
Case 1(b):



Case 2(a):

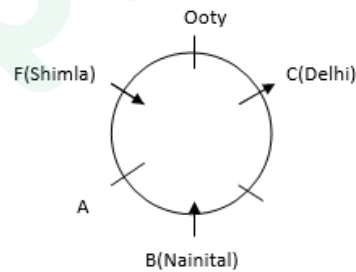


Case 2(b):

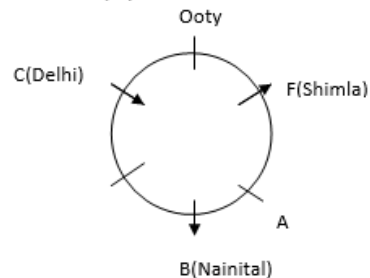


- vii) B does not belong to Shimla. (so, case 1(a) and case 2(a) gets eliminated here)

Case 1(b):

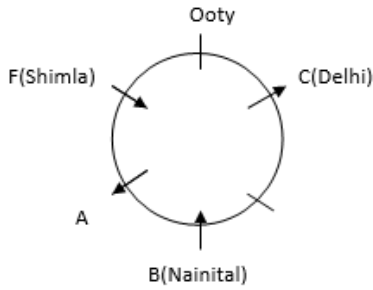


Case 2(b):

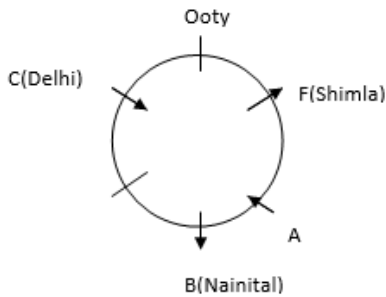


- viii) It is given that not more than 2 persons sitting adjacent to each other faces same direction. (so, A direction can be concluded in both the cases).

Case 1(b) :

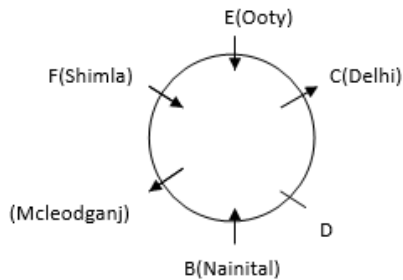


Case 2(b):

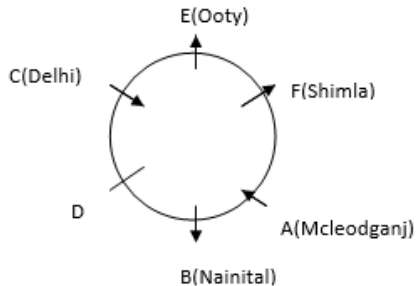


- ix) E faces same direction as that of F.
- x) D sits second to the left of one who likes Mcleodganj.

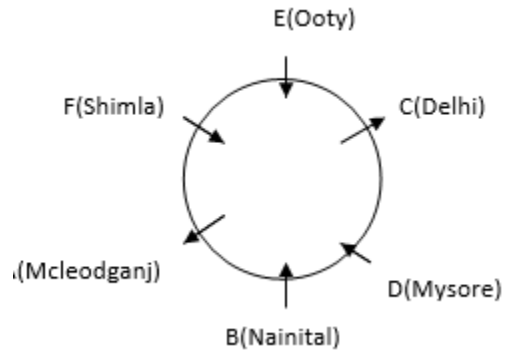
Case 1(b) :



Case 2(b):



xi) Case 2(b) gets eliminated here as not more than 2 people faces outside.  
After filling the remaining data,



Option d) is the correct answer.

4. Ans. A.

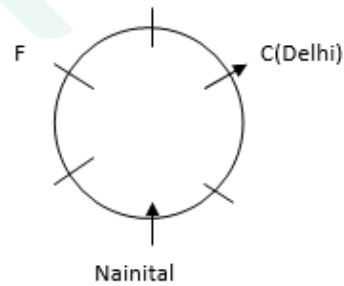
i) C likes Delhi and sits second to the right of one who likes Nainital.

ii) F sits second to the left of C.

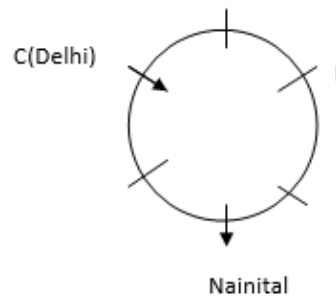
iii) F does not like Nainital.

(so, we get 2 possible cases here)

Case 1:



Case 2:

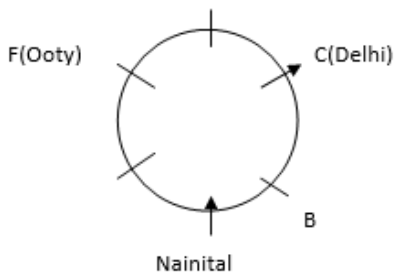


iv) One who likes Ooty sits exactly opposite to B.

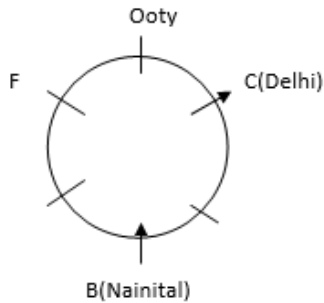
(so, we get another possibilities here).



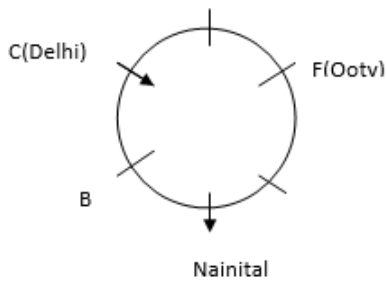
Case 1(a):



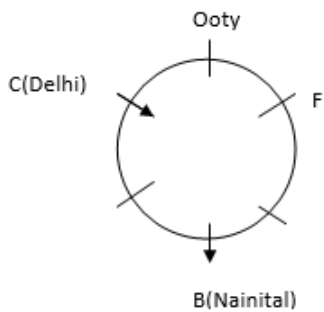
Case 1(b) :



Case 2(a):

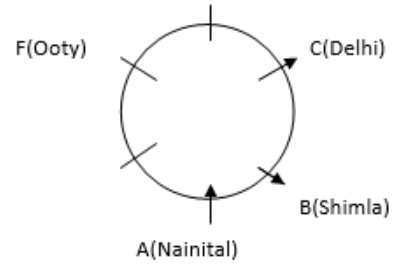


Case 2(b):

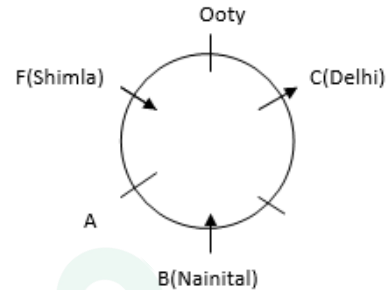


- v) C is not a neighbor of A.
- vi) A sits to the immediate right of person who belongs to Shimla.

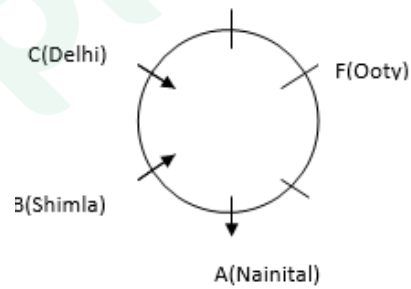
Case 1(a):



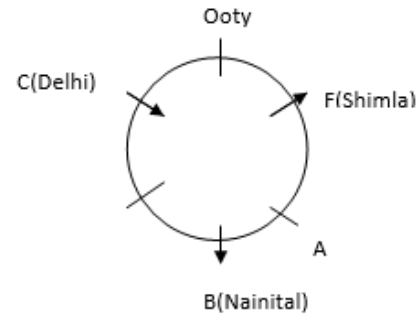
Case 1(b) :



Case 2(a):

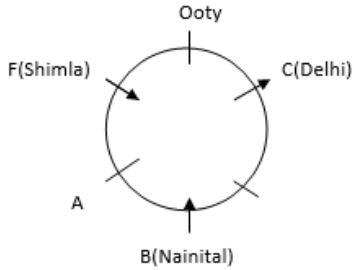


Case 2(b):

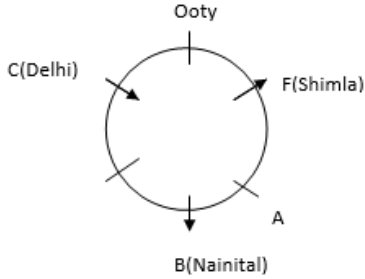


- vii) B does not belong to Shimla.  
(so, case 1(a) and case 2(a) gets eliminated here)

Case 1(b) :

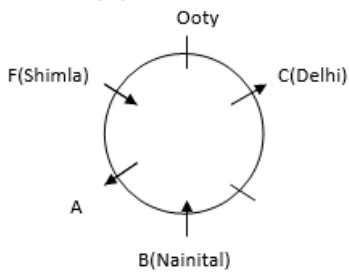


Case 2(b):

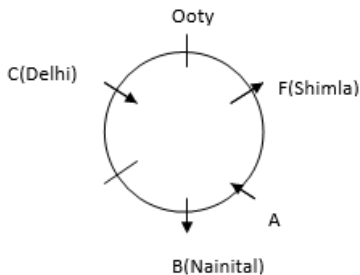


viii) It is given that not more than 2 persons sitting adjacent to each other faces same direction.  
(so, A direction can be concluded in both the cases).

Case 1(b) :

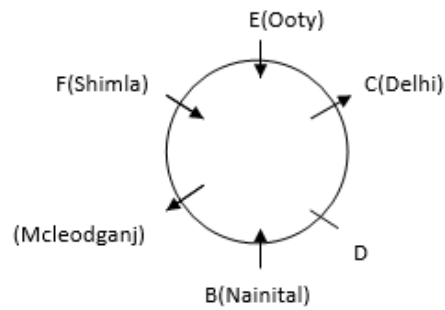


Case 2(b):

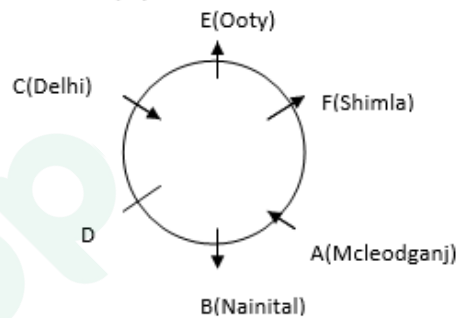


ix) E faces same direction as that of F.  
x) D sits second to the left of one who likes Mcleodganj.

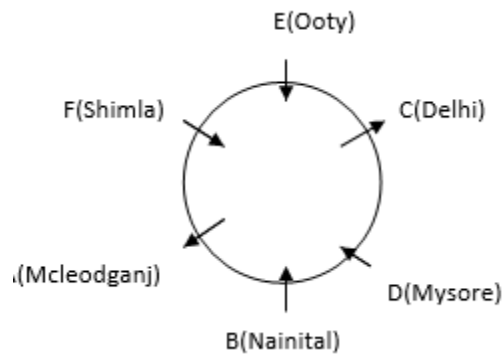
Case 1(b) :



Case 2(b):



xi) Case 2(b) gets eliminated here as not more than 2 people faces outside.  
After filling the remaining data,



Option a) is the correct answer as D sits second to the left of person who likes Ooty.

5. Ans. A.

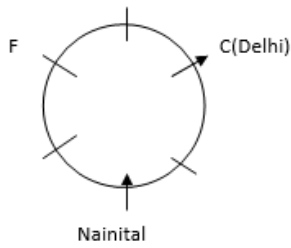
i) C likes Delhi and sits second to the right of one who likes Nainital.

ii) F sits second to the left of C.

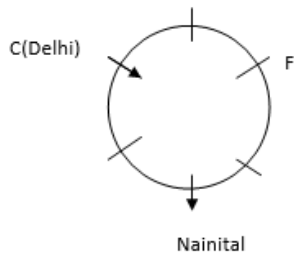
iii) F does not like Nainital.

(so, we get 2 possible cases here)

Case 1:

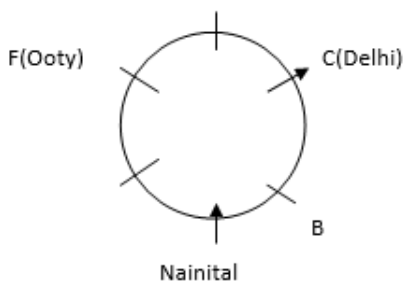


Case 2:

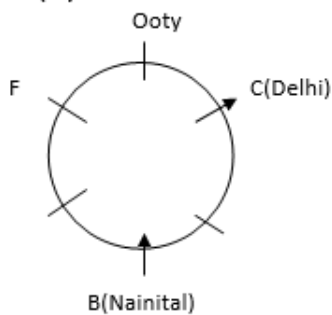


iv) One who likes Ooty sits exactly opposite to B.  
(so, we get another possibilities here).

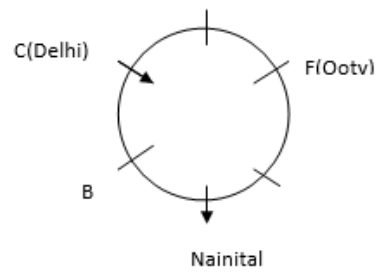
Case 1(a):



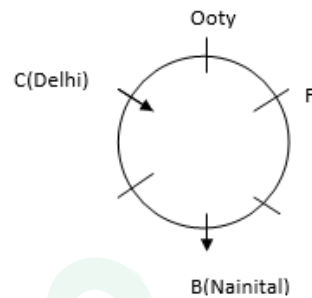
Case 1(b) :



Case 2(a):



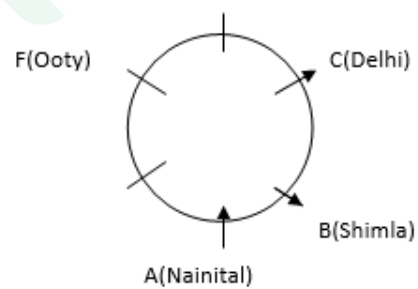
Case 2(b):



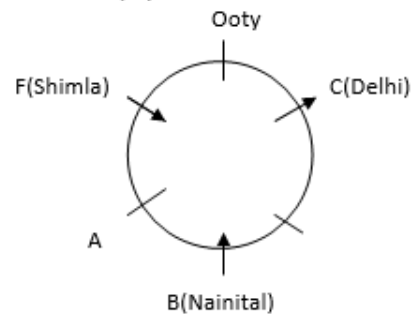
v) C is not a neighbor of A.

vi) A sits to the immediate right of person who belongs to Shimla.

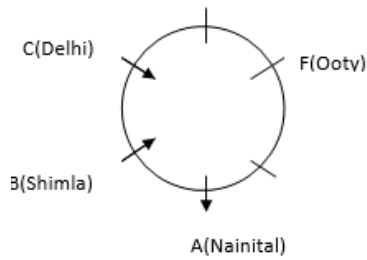
Case 1(a):



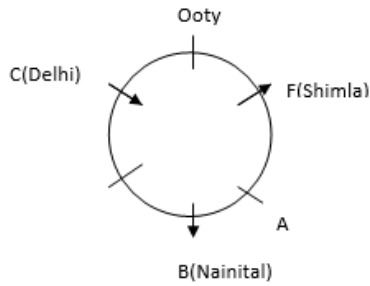
Case 1(b) :



Case 2(a):

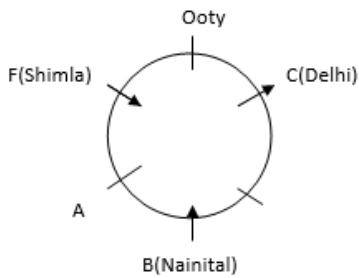


Case 2(b):

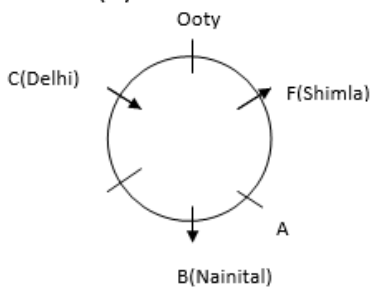


vii) B does not belong to Shimla.  
(so, case 1(a) and case 2(a) gets eliminated here)

Case 1(b) :

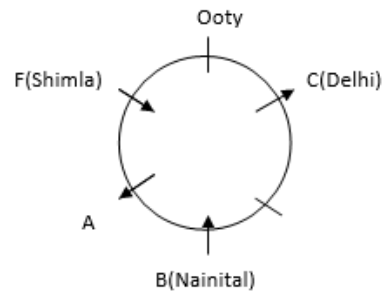


Case 2(b):

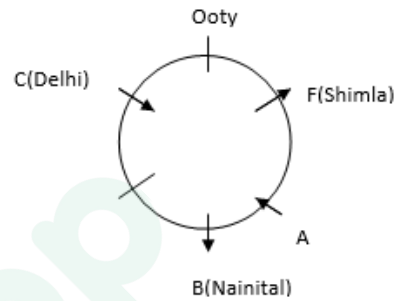


viii) It is given that not more than 2 persons sitting adjacent to each other faces same direction.  
(so, A direction can be concluded in both the

Case 1(b) :

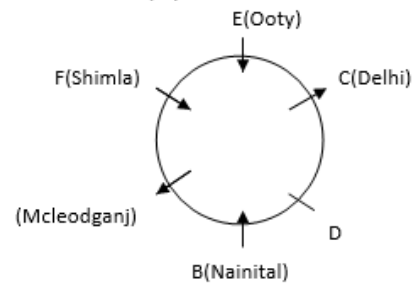


Case 2(b):

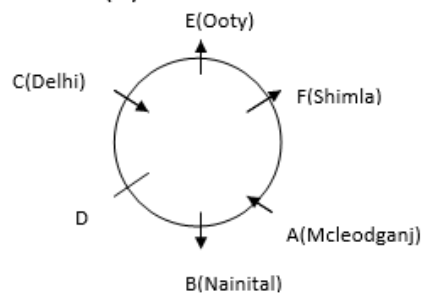


ix) E faces same direction as that of F.  
x) D sits second to the left of one who likes Mcleodganj.

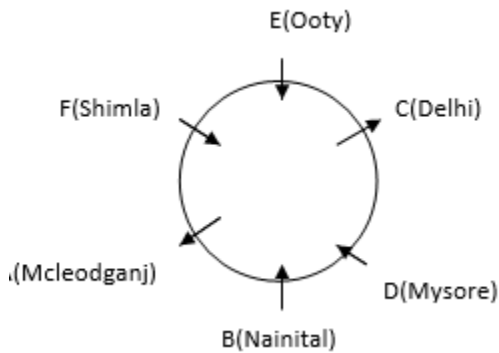
Case 1(b) :



Case 2(b):

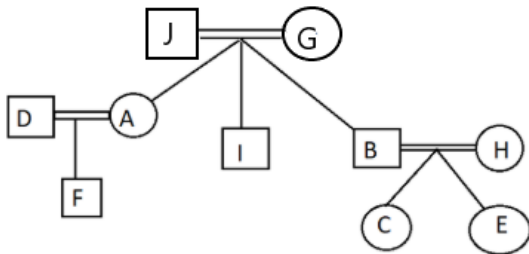


xi) Case 2(b) gets eliminated here as not more than 2 people faces outside.  
After filling the remaining data,

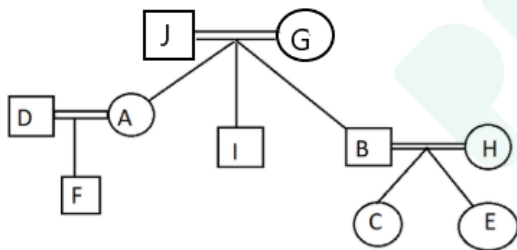


Option a) is the correct answer as A faces outside while others (given in the options) faces inside.

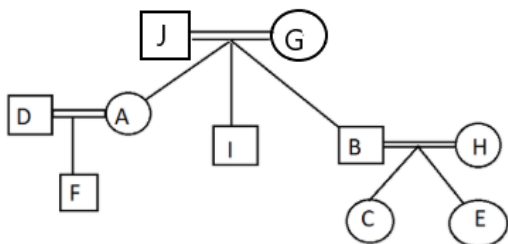
6. Ans. C.



7. Ans. D.



8. Ans. B.



9. Ans. B.

WORD	CODE
tough	nb
and	pr
work	re
increase	tc
India	kt
in	po
rank	rk

Hence, 'increase rank' will be coded as 'tc rk'.

10. Ans. C.

WORD	CODE
tough	nb
and	pr
work	re
increase	tc
India	kt
in	po
rank	rk

Hence, the code of 'and' is 'pr'.

11. Ans. C.

WORD	CODE
tough	nb
and	pr
work	re
increase	tc
India	kt
in	po
rank	rk

12. Ans. A.

Following the final solution we can say that if the names of all the persons were arranged in an alphabetical order (starting from the extreme left end) then the position of seven persons will change.

**Given:**

Menka, who doesn't works in IGATE, sits second to the right of Nitin, who works in Dell, who sits third to the right of Varun.

**Conclusion:**

Here, we have three possible scenarios in which we can use the above hints

Case 1:

Varun sits at the extreme left end.



Case 2:

Varun sit second from the extreme left end.



Case 3:

Menka sits at the extreme right end:



Here, we will make a mental note of an information which is Menka doesn't work in IGATE.

**Given:**

Rishu sits fifth to the left of Ankur.

Divya is not an immediate neighbour of Nitin and Menka both.

Rishu doesn't sit to the left of Divya.

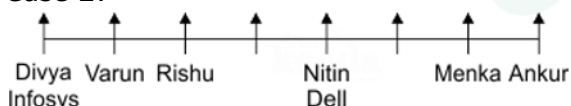
Divya works in Infosys and doesn't sit second to the left of Nitin.

Conclusion:

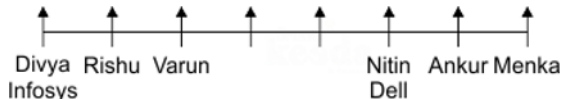
At this point we cannot fix the position of Divya in case 1 so we can say that case 1 is an invalid case.

But, we can fix the position of Rishu, Ankur and Divya in case 2 and 3 using the above hints.

Case 2:



Case 3:



**Given:**

Kanti sits second to the right of Lokes.

The one who works in Nokia sits at one of the extreme ends of the row.

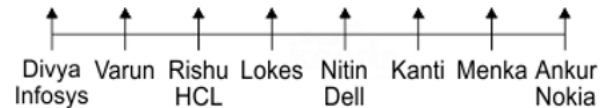
Only one person who works in HCL sits between Lokes and Varun.

Conclusion:

At this point, we cannot place Kanti second to the right of Lokes in case 3 so we can say that case 3 is an invalid case.

After using the above hints case 2 can be redrawn as:

Case 2:



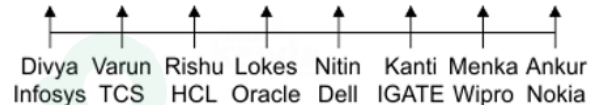
**Given:**

The one who works in TCS sits to the left of Lokes, who doesn't work in IGATE and Wipro.

Conclusion:

After using the above hints and the information that Menka doesn't work in IGATE we can complete the seating arrangement.

Case 2:



13. Ans. C.

Following the final solution we can say that Kanti sits third to the right of the one who sits between the ones who work in TCS and Oracle.

**Given:**

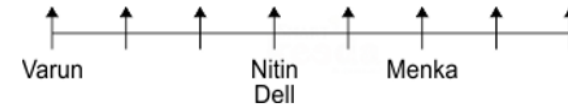
Menka, who doesn't work in IGATE, sits second to the right of Nitin, who works in Dell, who sits third to the right of Varun.

Conclusion:

Here, we have three possible scenarios in which we can use the above hints accordingly.

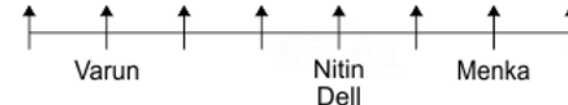
Case 1:

Varun sits at the extreme left end.



Case 2:

Varun sit second from the extreme left end.



Case 3:

Menka sits at the extreme right end:



Here, we will make a mental note of an information which is Menka doesn't work in IGATE.

**Given:**

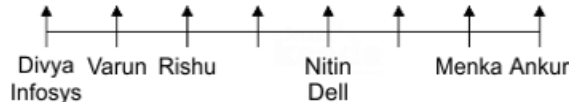
Rishu sits fifth to the left of Ankur.  
 Divya is not an immediate neighbour of Nitin and Menka both.  
 Rishu doesn't sit to the left of Divya.  
 Divya works in Infosys and doesn't sit second to the left of Nitin.

**Conclusion:**

At this point we cannot fix the position of Divya in case 1 so we can say that case 1 is an invalid case.

But, we can fix the position of Rishu, Ankur and Divya in case 2 and 3 using the above hints.

**Case 2:**



**Case 3:**



**Given:**

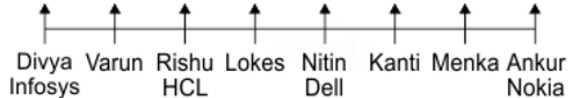
Kanti sits second to the right of Lokes.  
 The one who works in Nokia sits at one of the extreme ends of the row.  
 Only one person who works in HCL sits between Lokes and Varun.

**Conclusion:**

At this point, we cannot place Kanti second to the right of Lokes in case 3 so we can say that case 3 is an invalid case.

After using the above hints case 2 can be redrawn as:

**Case 2:**



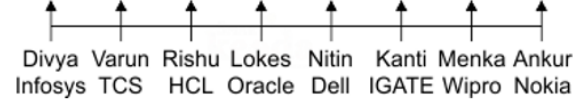
**Given:**

The one who works in TCS sits to the left of Lokes, who doesn't work in IGATE and Wipro.

**Conclusion:**

After using the above hints and the information that Menka doesn't work in IGATE we can complete the seating arrangement.

**Case 2:**



**14. Ans. C.**

Following the final solution we can say that two persons sit to the left of Rishu.

Hence, the correct answer is option C.

**Given:**

Menka, who doesn't work in IGATE, sits second to the right of Nitin, who works in Dell, who sits third to the right of Varun.

**Conclusion:**

Here, we have three possible scenarios in which we can use the above hints accordingly.

**Case 1:**

Varun sits at the extreme left end.



**Case 2:**

Varun sit second from the extreme left end.



**Case 3:**

Menka sits at the extreme right end:



Here, we will make a mental note of an information which is Menka doesn't work in IGATE.

**Given:**

Rishu sits fifth to the left of Ankur.  
 Divya is not an immediate neighbour of Nitin and Menka both.  
 Rishu doesn't sit to the left of Divya.  
 Divya works in Infosys and doesn't sit second to the left of Nitin.

**Conclusion:**

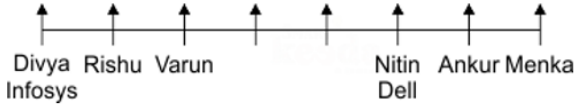
At this point we cannot fix the position of Divya in case 1 so we can say that case 1 is an invalid case.

But, we can fix the position of Rishu, Ankur and Divya in case 2 and 3 using the above hints.

Case 2:



Case 3:



**Given:**

Kanti sits second to the right of Lokes.  
The one who works in Nokia sits at one of the extreme ends of the row.

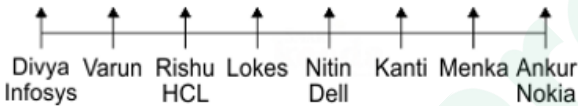
Only one person who works in HCL sits between Lokes and Varun.

Conclusion:

At this point, we cannot place Kanti second to the right of Lokes in case 3 so we can say that case 3 is an invalid case.

After using the above hints case 2 can be redrawn as:

Case 2:



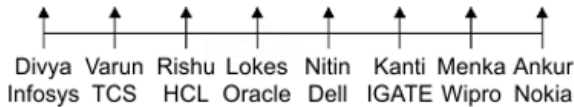
**Given:**

The one who works in TCS sits to the left of Lokes, who doesn't work in IGATE and Wipro.

Conclusion:

After using the above hints and the information that Menka doesn't work in IGATE we can complete the seating arrangement.

Case 2:



15. Ans. A.

Following the final solution we can say that the one who sits to the immediate right of the one who works in Oracle works in Dell. Hence, the correct answer is option A.

**Given:**

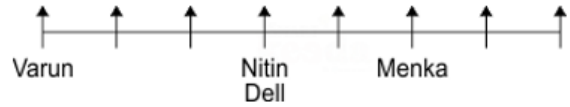
Menka, who doesn't work in IGATE, sits second to the right of Nitin, who works in Dell, who sits third to the right of Varun.

Conclusion:

Here, we have three possible scenarios in which we can use the above hints accordingly.

Case 1:

Varun sits at the extreme left end.



Case 2:

Varun sit second from the extreme left end.



Case 3:

Menka sits at the extreme right end:



Here, we will make a mental note of an information which is Menka doesn't work in IGATE.

**Given:**

Rishu sits fifth to the left of Ankur.

Divya is not an immediate neighbour of Nitin and Menka both.

Rishu doesn't sit to the left of Divya.

Divya works in Infosys and doesn't sit second to the left of Nitin.

Conclusion:

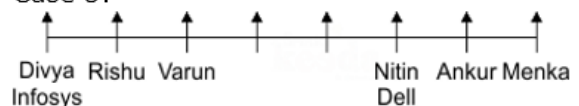
At this point we cannot fix the position of Divya in case 1 so we can say that case 1 is an invalid case.

But, we can fix the position of Rishu, Ankur and Divya in case 2 and 3 using the above hints.

Case 2:



Case 3:





**Given:**

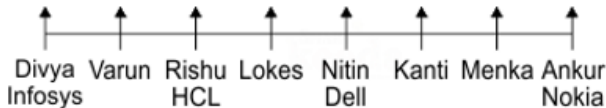
Kanti sits second to the right of Lokes.  
The one who works in Nokia sits at one of the extreme ends of the row.  
Only one person who works in HCL sits between Lokes and Varun.

**Conclusion:**

At this point, we cannot place Kanti second to the right of Lokes in case 3 so we can say that case 3 is an invalid case.

After using the above hints case 2 can be redrawn as:

**Case 2:**



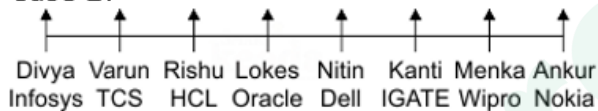
**Given:**

The one who works in TCS sits to the left of Lokes, who doesn't work in IGATE and Wipro.

**Conclusion:**

After using the above hints and the information that Menka doesn't work in IGATE we can complete the seating arrangement.

**Case 2:**



16. Ans. B.

Following the final solution we can say that Nitin sits third to the left of the one who sits at the extreme right end.

**Given:**

Menka, who doesn't work in IGATE, sits second to the right of Nitin, who works in Dell, who sits third to the right of Varun.

**Conclusion:**

Here, we have three possible scenarios in which we can use the above hints accordingly.

**Case 1:**

Varun sits at the extreme left end.



**Case 2:**

Varun sits second from the extreme left end.



**Case 3:**

Menka sits at the extreme right end:



Here, we will make a mental note of an information which is Menka doesn't work in IGATE.

**Given:**

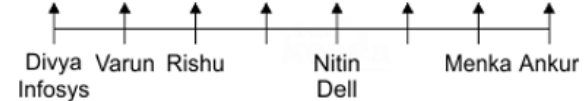
Rishu sits fifth to the left of Ankur.  
Divya is not an immediate neighbour of Nitin and Menka both.  
Rishu doesn't sit to the left of Divya.  
Divya works in Infosys and doesn't sit second to the left of Nitin.

**Conclusion:**

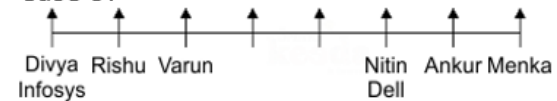
At this point we cannot fix the position of Divya in case 1 so we can say that case 1 is an invalid case.

But, we can fix the position of Rishu, Ankur and Divya in case 2 and 3 using the above hints.

**Case 2:**



**Case 3:**



**Given:**

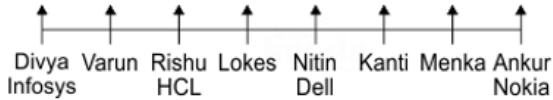
Kanti sits second to the right of Lokes.  
The one who works in Nokia sits at one of the extreme ends of the row.  
Only one person who works in HCL sits between Lokes and Varun.

**Conclusion:**

At this point, we cannot place Kanti second to the right of Lokes in case 3 so we can say that case 3 is an invalid case.

After using the above hints case 2 can be redrawn as:

Case 2:



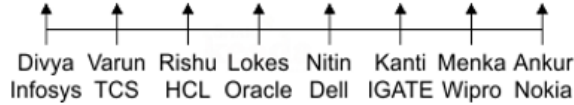
**Given:**

The one who works in TCS sits to the left of Lokes, who doesn't work in IGATE and Wipro.

**Conclusion:**

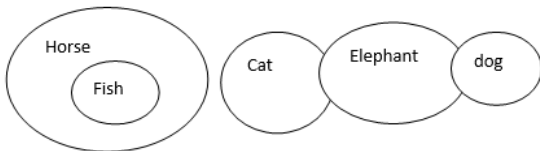
After using the above hints and the information that Menka doesn't work in IGATE we can complete the seating arrangement.

Case 2:



17. Ans. A.

Possible Venn-diagram for option 1): All fishes are horses. No horse is cat. Some cats are elephants. Some elephants are dogs.



Check for Conclusions: All dog being cat is a possibility. No fish is a cat. There is a possibility that all cats can be a dog. All conclusion fulfill their condition from statement 1). So answer is 1)

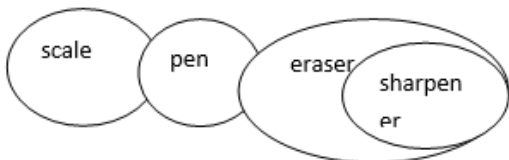
18. Ans. C.

A possible Venn-diagram for option A) is :



From the above Venn-diagram conclusion does not follow the solution. So statement A) does not hold true.

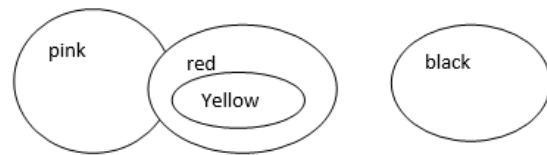
For option B):



Statement B) follows all the conclusions. So answer is B)

19. Ans. C.

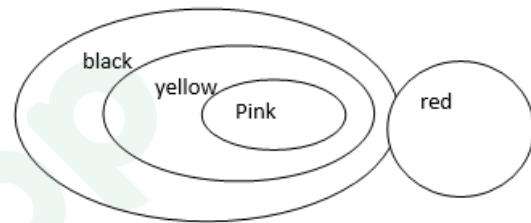
A possible Venn-diagram for option A is :



Now check for conclusion I we cant say All yellow being black is a possibility because as per given information no red is a black and when we placed all black in the with yellow then it cant be true. So option A does not hold true.

Now check for option B)

Statement: All pink are yellow. No yellow is a red. Some red are black.



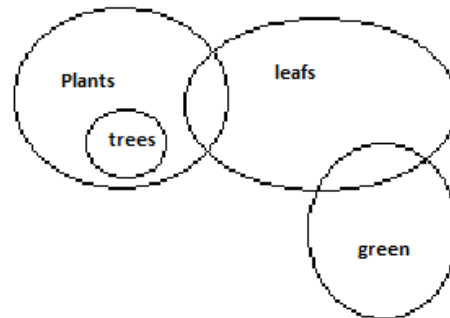
**Now check for conclusion as per option B's statement:**

**Conclusions:**All yellow being black is a possibility. Some red are not pink.

So from the above Venn-diagram both the conclusion holds true. So answer is B) and answer is 3).

20. Ans. D.

Statements: Some plant are leaves. All tree are plants. Some leaves are green.



**Conclusions:**Some plants are trees. All trees being leaves is a possibility. Some leaves are green.

From the above Venn-diagram statements of A holds true. So answer is A).

21. Ans. D.

As, none of the statement follow the given conclusions. Hence, option E is the correct response.

22. Ans. B.

D is taller than F but shorter than E who taller than H.

The one who second tallest person in this group also who second youngest person in this group. C is shorter than B who taller than D who taller than C and A.

Only two persons taller than B who taller than A and F. G second shortest person. H is taller than B but not tallest person. More than five persons taller than G who shorter than C and F. C is neither shorter nor taller than F.

Only three person younger than F who either shorter or equal than B.

Height = E

$H > B > D > C = F > G > A$

The one who won the race competition also oldest person in this group. B is older than C but younger than D who second oldest person in this group.

The one who second tallest person in this group also who second youngest person in this group. C is not youngest person and G is not older than F.

Age =  $A > D > E > B \geq F > C > H > G$

The shortest person in this group who won the race competition.

Third youngest person in this group who fourth position in this race competition and the one last one to finish the race who third oldest person in this group. Second tallest person is second position in this race and D is sixth position in this race. F was complete the race before B and G who complete the race before E but not just before.

Race competition=

$A > H > F > C > G > D > B > E$

23. Ans. D.

D is taller than F but shorter than E who taller than H.

The one who second tallest person in this group also who second youngest person in this group. C is shorter than B who taller than D who taller than C and A.

Only two persons taller than B who taller than A and F. G second shortest person. H is taller than B but not tallest person. More than five persons taller than G who shorter than C and F. C is neither shorter nor taller than F.

Only three person younger than F who either shorter or equal than B.

Height = E

$H > B > D > C = F > G > A$

The one who won the race competition also oldest person in this group. B is older than C but younger than D who second oldest person in this group.

The one who second tallest person in this group also who second youngest person in this group. C is not youngest person and G is not older than F.

Age=  $A > D > E > B \geq F > C > H > G$

The shortest person in this group who won the race competition.

Third youngest person in this group who fourth position in this race competition and the one last one to finish the race who third oldest person in this group. Second tallest person is second position in this race and D is sixth position in this race. F was complete the race before B and G who complete the race before E but not just before.

Race competition=

$A > H > F > C > G > D > B > E$

**Either C or F third shortest person.**

24. Ans. D.

D is taller than F but shorter than E who taller than H.

The one who second tallest person in this group also who second youngest person in this group. C is shorter than B who taller than D who taller than C and A.

Only two persons taller than B who taller than A and F. G second shortest person. H is taller than B but not tallest person. More than five persons taller than G who shorter than C and F. C is neither shorter nor taller than F.

Only three person younger than F who either shorter or equal than B.

Height = E

$H > B > D > C = F > G > A$

The one who won the race competition also oldest person in this group. B is older than C but younger than D who second oldest person in this group.

The one who second tallest person in this group also who second youngest person in this group. C is not youngest person and G is not older than F.

Age =  $A > D > E > B \geq F > C > H > G$

The shortest person in this group who won the race competition.

Third youngest person in this group who fourth position in this race competition and the one last one to finish the race who third oldest person in this group. Second tallest person is second position in this race and D is sixth position in this race. F was complete the race before B and G who complete the race before E but not just before.

Race competition =

$A > H > F > C > G > D > B > E$

25. Ans. C.

D is taller than F but shorter than E who taller than H.

The one who second tallest person in this group also who second youngest person in this group. C is shorter than B who taller than D who taller than C and A.

Only two persons taller than B who taller than A and F. G second shortest person. H is taller than B but not tallest person. More than five persons taller than G who shorter than C and F. C is neither shorter nor taller than F.

Only three person younger than F who either shorter or equal than B.

Height = E

$H > B > D > C = F > G > A$

The one who won the race competition also oldest person in this group. B is older than C but younger than D who second oldest person in this group.

The one who second tallest person in this group also who second youngest person in this group. C is not youngest person and G is not older than F.

Age =  $A > D > E > B \geq F > C > H > G$

The shortest person in this group who won the race competition.

Third youngest person in this group who fourth position in this race competition and the one last one to finish the race who third oldest person in this group. Second tallest person is second position in this race and D is sixth position in this race. F was complete the race before B and G who complete the race before E but not just before.

Race competition =

$A > H > F > C > G > D > B > E$

26. Ans. B.

D is taller than F but shorter than E who taller than H.

The one who second tallest person in this group also who second youngest person in this group. C is shorter than B who taller than D who taller than C and A.

Only two persons taller than B who taller than A and F. G second shortest person. H is taller than B but not tallest person. More than five persons taller than G who shorter than C and F. C is neither shorter nor taller than F.

Only three person younger than F who either shorter or equal than B.

Height = E

$H > B > D > C = F > G > A$

The one who won the race competition also oldest person in this group. B is older than C but younger than D who second oldest person in this group.

The one who second tallest person in this group also who second youngest person in this group. C is not youngest person and G is not older than F.

Age =  $A > D > E > B \geq F > C > H > G$

The shortest person in this group who won the race competition.

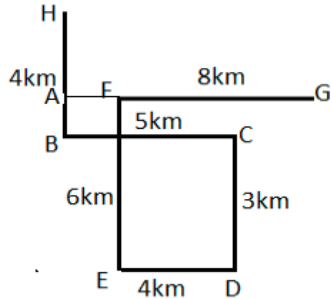
Third youngest person in this group who fourth position in this race competition and the one last one to finish the race who third

oldest person in this group. Second tallest person is second position in this race and D is sixth position in this race. F was complete the race before B and G who complete the race before E but not just before.

Race competition=

**A > H > F > C > G > D > B > E**

27. Ans. C.

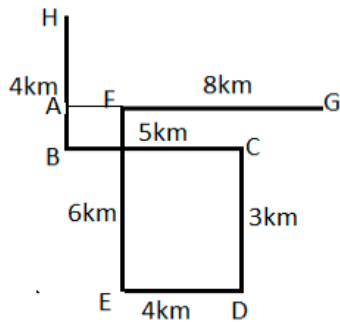


$$HG^2 = HA^2 + AG^2$$

$$HG^2 = 9^2 + 1^2$$

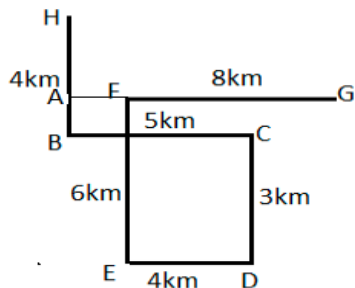
$$HG = \sqrt{82} \text{ Km}$$

28. Ans. C.



Man is the North-East direction with respect to his starting point. So answer is D.

29. Ans. A.



Total distance covered by a man is = 4 + 4+3+6+5+8= 30 Km. So answer is A

30. Ans. A.

Choice (A) : Here the commuters called on the strike in a response to the accidents which take place due to overcrowding and are demanding increase in the frequency of trains assuming that if the frequency increases, then lesser number of such accidents would take place. Hence, (A) is an assumption. Choice (B).From the statement "increase in the number of overcrowding "it can be concluded that, the trains in the Mumbai suburban run overcrowded. Hence, (B) is a conclusion. Choice (C): In the statement, there is no reference to intension of the railway authority. Hence, (C) is out of context. Choice (D): As the number of accidents has increased in the past one year, it can be inferred that, the frequency of trains did not increase in accordance to the increase in the number of commuters. Hence, (D) is an inference.

31. Ans. D.

Choice (A): Based on some assessment, the school has come to the understanding that the students are not getting proper meal at home. No facts are provided to conform this. Hence, (A),is not implicit. Choice (B): There is no information given about the donation, which is given to the charity. Hence (B) is out of context. Statement (C) the statement has no reference to the utilization of funds. Hence it is out of context. Choice (D) The school authority was providing the breakfast tothe students assuming that they are not getting a proper meal. Hence Choice (D) is an assumption.

32. Ans. A.

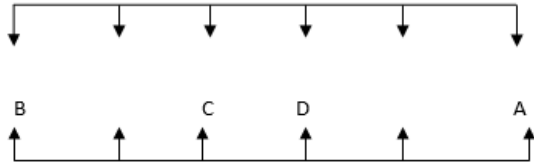
Option a) is the correct answer as Q is to the immediate left of R.

a) B sits third to the left of D. And, it is also given that D does not sit at an extreme end of the row.

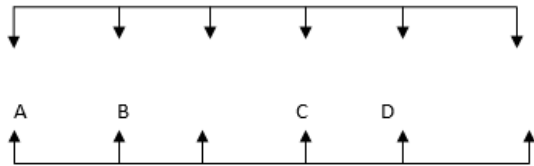
b) There are 2 seats between A and C, who sits adjacent to D.

So, we get 2 possible cases here:

Case 1:

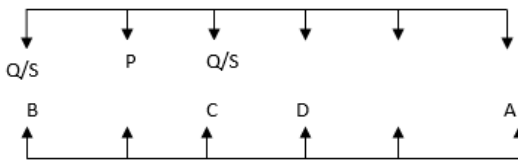


Case 2:

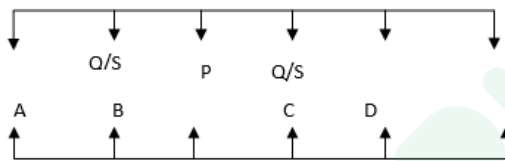


c) D faces the person who sits second to the left of P, who is an immediate neighbor of both Q and S.

Case 1:

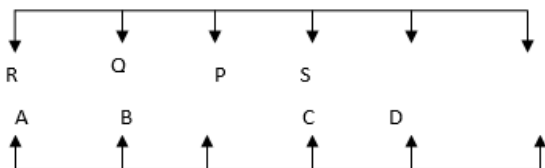


Case 2:

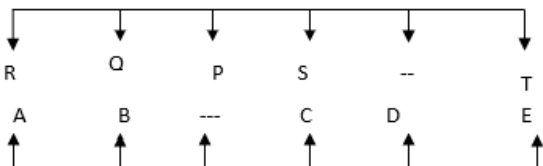


D. R sits third to the right of S. (so, case 1 gets eliminated here as it does not satisfy the condition).

Case 2:



E. Vacant seats of both the rows at not at extreme ends.



33. Ans. D.

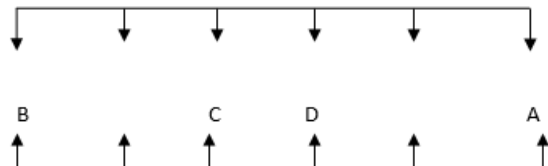
Option D. is the correct answer as S does not sit at any of the extreme ends whereas others (given in the options) sit at extreme ends.

a) B sits third to the left of D. And, it is also given that D does not sit at an extreme end of the row.

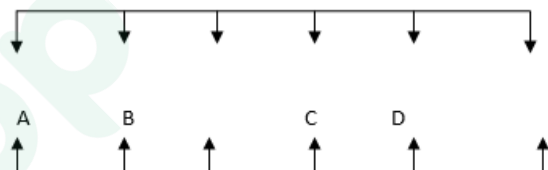
b) There are 2 seats between A and C, who sits adjacent to D.

So, we get 2 possible cases here:

Case 1:

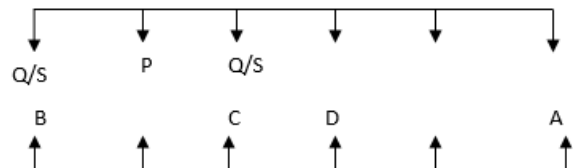


Case 2:

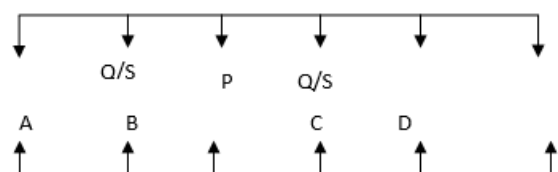


c) D faces the person who sits second to the left of P, who is an immediate neighbor of both Q and S.

Case 1:

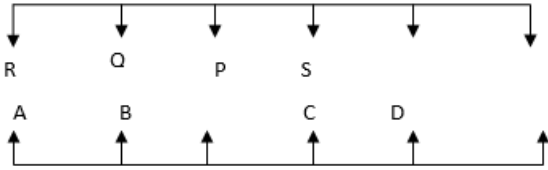


Case 2:

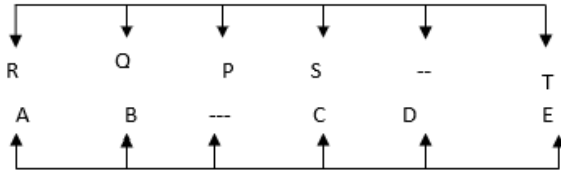


D. R sits third to the right of S. (so, case 1 gets eliminated here as it does not satisfy the condition).

Case 2:



E. Vacant seats of both the rows at not at extreme ends.



34. Ans. E.

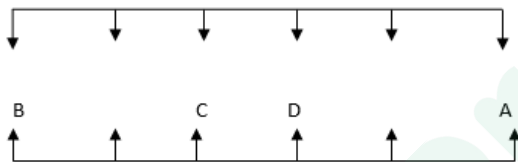
Option E. is the correct answer as no one (vacant seat) faces the person who sits to the immediate right of C.

a) B sits third to the left of D. And, it is also given that D does not sit at an extreme end of the row.

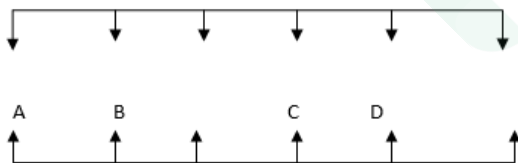
b) There are 2 seats between A and C, who sits adjacent to D.

So, we get 2 possible cases here:

Case 1:

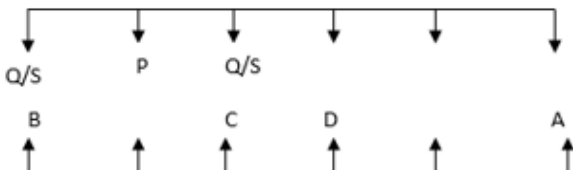


Case 2:

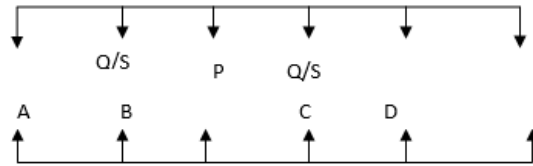


c) D faces the person who sits second to the left of P, who is an immediate neighbor of both Q and S.

Case 1:

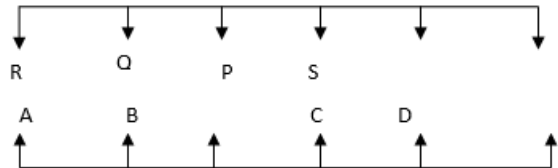


Case 2:

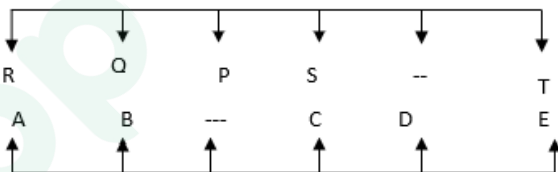


D. R sits third to the right of S. (so, case 1 gets eliminated here as it does not satisfy the condition).

Case 2:



E. Vacant seats of both the rows at not at extreme ends.



35. Ans. C.

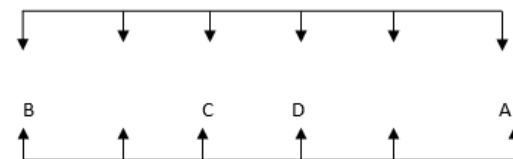
Option c) is the correct answer as P and D faces vacant seat.

a) B sits third to the left of D. And, it is also given that D does not sit at an extreme end of the row.

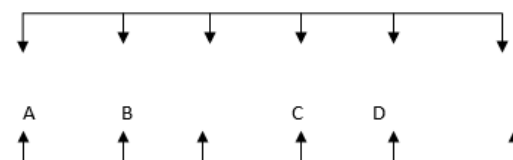
b) There are 2 seats between A and C, who sits adjacent to D.

So, we get 2 possible cases here:

Case 1:

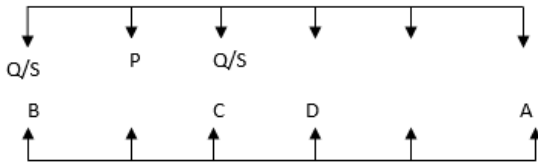


Case 2:

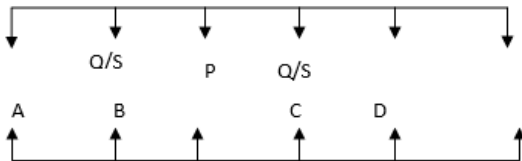


c) D faces the person who sits second to the left of P, who is an immediate neighbor of both Q and S.

Case 1:

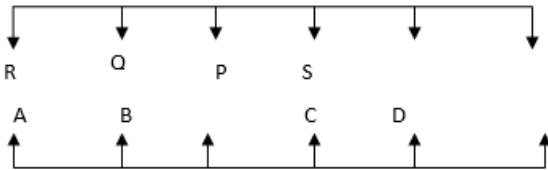


Case 2:

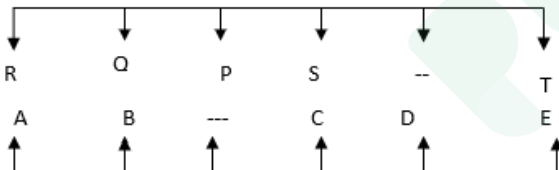


D. R sits third to the right of S.  
(so, case 1 gets eliminated here as it does not satisfy the condition).

Case 2:



E. Vacant seats of both the rows at not at extreme ends.



36. Ans. E.

Given Word: B E N I G N A N T L Y

Chosen Letters: **E N A T**

Possible words: **NEAT, ANTE**

Hence, answer is Y.

37. Ans. C.

Both the inferences can be correctly inferred. The given statement says that due to climate changes sea levels are rising and because of this, more than three hundred thousand homes will get flooded every two weeks in the next 30 years. I is an obvious deduction – people who live near the coastlines will be

can also be clearly inferred – to combat this situation, greenhouse gas emissions that are the main cause of rising sea levels, need to be curtailed with immediate effect.

Therefore, option C is the correct answer.

38. Ans. D.

None of the inferences can be deduced. They contain a lot of extraneous information that cannot be concluded from what is given in the statement. Therefore, option D is the correct answer.

39. Ans. B.

In this input output question only one word and one number is arranged in each step. As a first step let us first understand the logic behind the question. If we will see the final output we will observe the following:

(1) **For words** – If the first and last letter of a word is a vowel then that word is arranged first from left to right. If in two words the first and last letters are vowels then they are arranged according to the English dictionary from left to right. If only the first letter of the word is a vowel then it is arranged after the arrangement of the words in which first and last letters are vowels from left to right. If the first letter of the word is not a vowel then it is arranged at last from left to right. If two words do not start with a vowel then they are arranged according to the English dictionary from left to right.

(2) **For numbers** – If a number is a perfect square then it is arranged first from right to left. If two or more numbers is a perfect square then the greater number will be arranged first from right to left. After the arrangement of the perfect square numbers the other numbers are arranged according to their value. The greater number is arranged first from right to left.

**Input: Aristotle 36 81 eve 47 anger 59 high 100 clever unit 37**

**Step 1: Aristotle 36 81 eve 47 anger 59 high clever unit 37 100**

**Step II: Aristotle eve 36 47 anger 59 high clever unit 37 81 100**

**Step III: Aristotle eve anger 47 59 high clever unit 37 36 81 100**

**Step IV: Aristotle eve anger unit 47 high**



**Step V: Aristotle eve anger unit clever high 37 47 59 36 81 100**

40. Ans. C.

In this input output question only one word and one number is arranged in each step. As a first step let us first understand the logic behind the question. If we will see the final output we will observe the following:

(1) **For words** – If the first and last letter of a word is a vowel then that word is arranged first from left to right. If in two words the first and last letters are vowels then they are arranged according to the English dictionary from left to right. If only the first letter of the word is a vowel then it is arranged after the arrangement of the words in which first and last letters are vowels from left to right. If the first letter of the word is not a vowel then it is arranged at last from left to right. If two words do not start with a vowel then they are arranged according to the English dictionary from left to right.

(2) **For numbers** – If a number is a perfect square then it is arranged first from right to left. If two or more numbers is a perfect square then the greater number will be arranged first from right to left. After the arrangement of the perfect square numbers the other numbers are arranged according to their value. The greater number is arranged first from right to left.

**Input: Aristotle 36 81 eve 47 anger 59 high 100 clever unit 37**

**Step 1: Aristotle 36 81 eve 47 anger 59 high clever unit 37 100**

**Step II: Aristotle eve 36 47 anger 59 high clever unit 37 81 100**

**Step III: Aristotle eve anger 47 59 high clever unit 37 36 81 100**

**Step IV: Aristotle eve anger unit 47 high clever 37 59 36 81 100**

**Step V: Aristotle eve anger unit clever high 37 47 59 36 81 100**

41. Ans. D.

In this input output question only one word and one number is arranged in each step. As a first step let us first understand the logic behind the question. If we will see the final output we will observe the following:

(1) **For words** – If the first and last letter of a word is a vowel then that word is arranged first from left to right. If in two words the first and last letters are vowels then they are arranged according to the English dictionary from left to right. If only the first letter of the word is a vowel then it is arranged after the arrangement of the words in which first and last letters are vowels from left to right. If the first letter of the word is not a vowel then it is arranged at last from left to right. If two words do not start with a vowel then they are arranged according to the English dictionary from left to right.

(2) **For numbers** – If a number is a perfect square then it is arranged first from right to left. If two or more numbers is a perfect square then the greater number will be arranged first from right to left. After the arrangement of the perfect square numbers the other numbers are arranged according to their value. The greater number is arranged first from right to left.

**Input: Aristotle 36 81 eve 47 anger 59 high 100 clever unit 37**

**Step 1: Aristotle 36 81 eve 47 anger 59 high clever unit 37 100**

**Step II: Aristotle eve 36 47 anger 59 high clever unit 37 81 100**

**Step III: Aristotle eve anger 47 59 high clever unit 37 36 81 100**

**Step IV: Aristotle eve anger unit 47 high clever 37 59 36 81 100**

**Step V: Aristotle eve anger unit clever high 37 47 59 36 81 100**

42. Ans. C.

In this input output question only one word and one number is arranged in each step. As a first step let us first understand the logic behind the question. If we will see the final output we will observe the following:

(1) **For words** – If the first and last letter of a word is a vowel then that word is arranged first from left to right. If in two words the first and last letters are vowels then they are arranged according to the English dictionary from left to right. If only the first letter of the word is a vowel then it is arranged after the arrangement of the words in which first and

last letters are vowels from left to right. If the first letter of the word is not a vowel then it is arranged at last from left to right. If two words do not start with a vowel then they are arranged according to the English dictionary from left to right.

(2) **For numbers** – If a number is a perfect square then it is arranged first from right to left. If two or more numbers is a perfect square then the greater number will be arranged first from right to left. After the arrangement of the perfect square numbers the other numbers are arranged according to their value. The greater number is arranged first from right to left.

**Input: Aristotle 36 81 eve 47 anger 59 high 100 clever unit 37**

**Step 1: Aristotle 36 81 eve 47 anger 59 high clever unit 37 100**

**Step II: Aristotle eve 36 47 anger 59 high clever unit 37 81 100**

**Step III: Aristotle eve anger 47 59 high clever unit 37 36 81 100**

**Step IV: Aristotle eve anger unit 47 high clever 37 59 36 81 100**

**Step V: Aristotle eve anger unit clever high 37 47 59 36 81 100**

43. Ans. C.

In this input output question only one word and one number is arranged in each step. As a first step let us first understand the logic behind the question. If we will see the final output we will observe the following:

(1) **For words** – If the first and last letter of a word is a vowel then that word is arranged first from left to right. If in two words the first and last letters are vowels then they are arranged according to the English dictionary from left to right. If only the first letter of the word is a vowel then it is arranged after the arrangement of the words in which first and last letters are vowels from left to right. If the first letter of the word is not a vowel then it is arranged at last from left to right. If two words do not start with a vowel then they are arranged according to the English dictionary from left to right.

(2) **For numbers** – If a number is a perfect square then it is arranged first from right to

left. If two or more numbers is a perfect square then the greater number will be arranged first from right to left. After the arrangement of the perfect square numbers the other numbers are arranged according to their value. The greater number is arranged first from right to left.

**Input: Aristotle 36 81 eve 47 anger 59 high 100 clever unit 37**

**Step 1: Aristotle 36 81 eve 47 anger 59 high clever unit 37 100**

**Step II: Aristotle eve 36 47 anger 59 high clever unit 37 81 100**

**Step III: Aristotle eve anger 47 59 high clever unit 37 36 81 100**

**Step IV: Aristotle eve anger unit 47 high clever 37 59 36 81 100**

**Step V: Aristotle eve anger unit clever high 37 47 59 36 81 100**

44. Ans. D.

First read whole puzzle carefully and separate the confirm condition first so that we can have some confirmed idea:

- \* Farhan lives on the floor numbered third, likes Choco cherry.
- \* Only two persons lives between Farhan and Janki. According to condition that janki lives in sixth floor.
- \* One who likes pistachio lives in first floor.
- \* Only one person lives between the floors on which Harish and Ishika live respectively, Harish who likes Vanilla lives above the floor on which Ishika lives.
- \* Ishika neither likes Chocolate nor strawberry.

From above two situation three persons harish, (unknown), & Ishika in consecutive floor, which implies two position of Ishika fifth & first.

\* Janki neither like strawberry nor chocolate, Harish likes vanilla, Komal likes kulfi, Farhan likes choco cherry, 1<sup>st</sup> pistachio. So from above information it gives idea that whether Janki likes Mango sorbet or Tutti frutti.

Floor	Person	Ice-cream
8		
7		
6	Janki	Mango Sorbet/ Tutti fruti
5	Ishika	
4		
3	Farhan	Choco cherry
2	Ishika	
1		Pistachio

Now try to find out related information for above mentioned figure:

\* One who is in the fifth floor neither likes Mango Sorbet nor Tutti frutti. Thus fifth floor person can like chocolate or strawberry but Chocolate is not liked by Ishika , therefore we placed Ishika in 2nd floor liking Mango Sorbet / tutti frutti.

If Ishika is in 2nd floor ,then Harish should lives in 4th floor who likes Vanilla.

\* Komal lives immediately above the floor on which Ekta lives and likes Kulfi. Ekta does not lives on 1st floor. From this information , it is clear we need two consecutive row to fulfil this conditon as Komal likes Kulfi.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	
6	Janki	Mango Sorbet/Tutti fruti
5		Chocolate/ strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet/ Tutti fruti
1		Pistachio

\* No direct information is given about Gopal and Deepika ,so we supposed to placed this two on remaining floor as Gopal in 1st & Deepika in 5th floor.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	Chocolate/ strawberry
6	Janki	Mango Sorbet/ Tutti fruti
5	Deepika / Gopal	Chocolate/strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet /Tutti fruti
1	Gopal / Deepika	Pistachio

Two floors are there between the floors on which ekta and Harish live respectively. So answer is D

45. Ans. A.

First read whole puzzle carefully and separate the confirm condition first so that we can have some confirmed idea:

\* Farhan lives on the floor numbered third, likes Choco cherry.

\* Only two persons lives between Farhan and Janki. According to condition that janki lives in sixth floor.

\* One who likes pistachio lives in first floor.

\* Only one person lives between the floors on which Harish and Ishika live respectively, Harish who likes Vanilla lives above the floor on which Ishika lives.

\* Ishika neither likes Chocolate nor strawberry.

From above two situation three persons harish, (unknown), & Ishika in consecutive floor, which implies two position of Ishika fifth & first.

\* Janki neither like strawberry nor chocolate, Harish likes vanilla, Komal likes kulfi, Farhan likes choco cherry ,1<sup>st</sup> pistachio. So from above information it gives idea that whether Janki likes Mango sorbet or Tutti frutti.

Floor	Person	Ice-cream
8		
7		
6	Janki	Mango Sorbet/ Tutti fruti
5	Ishika	
4		
3	Farhan	Choco cherry
2	Ishika	
1		Pistachio

Now try to find out related information for above mentioned figure:

\* One who is in the fifth floor neither likes Mango Sorbet nor Tutti frutti. Thus fifth floor person can like chocolate or strawberry but Chocolate is not liked by Ishika , therefore we placed Ishika in 2nd floor liking Mango Sorbet / tutti frutti.

If Ishika is in 2nd floor ,then Harish should lives in 4th floor who likes Vanilla.

\* Komal lives immediately above the floor on which Ekta lives and likes Kulfi. Ekta does not lives on 1st floor. From this information , it is clear we need two consecutive row to fulfil this condition as Komal likes Kulfi.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	
6	Janki	Mango Sorbet/Tutti fruti
5		Chocolate/ strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet/ Tutti fruti
1		Pistachio

\* No direct information is given about Gopal and Deepika ,so we supposed to placed this two on remaining floor as Gopal in 1st & Deepika in 5th floor.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	Chocolate/ strawberry
6	Janki	Mango Sorbet/ Tutti fruti
5	Deepika / Gopal	Chocolate/strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet /Tutti fruti
1	Gopal / Deepika	Pistachio

Gopal, Farhan, Deepika and Ekta live on odd-numbered floors. So answer is A..

46. Ans. B.

First read whole puzzle carefully and separate the confirm condition first so that we can have some confirmed idea:

\* Farhan lives on the floor numbered third, likes Choco cherry.

\* Only two persons lives between Farhan and Janki. According to condition that janki lives in sixth floor.

\* One who likes pistachio lives in first floor.

\* Only one person lives between the floors on which Harish and Ishika live respectively, Harish who likes Vanilla lives above the floor on which Ishika lives.

\* Ishika neither likes Chocolate nor strawberry.

From above two situation three persons harish, (unknown),& Ishika in consecutive floor, which implies two position of Ishika fifth & first.

\* Janki neither like strawberry nor chocolate, Harish likes vanilla, Komal likes kulfi, Farhan likes choco cherry ,1<sup>st</sup> pistachio. So from above information it gives idea that whether Janki likes Mango sorbet or Tutti frutti.

Floor	Person	Ice-cream
8		
7		
6	Janki	Mango Sorbet/ Tutti fruti
5	Ishika	
4		
3	Farhan	Choco cherry
2	Ishika	
1		Pistachio

Now try to find out related information for above mentioned figure:

\* One who is in the fifth floor neither likes Mango Sorbet nor Tutti frutti. Thus fifth floor person can like chocolate or strawberry but Chocolate is not liked by Ishika , therefore we placed Ishika in 2nd floor liking Mango Sorbet / tutti frutti.

If Ishika is in 2nd floor ,then Harish should lives in 4th floor who likes Vanilla.

\* Komal lives immediately above the floor on which Ekta lives and likes Kulfi. Ekta does not lives on 1st floor. From this information , it is clear we need two consecutive row to fulfil this condition as Komal likes Kulfi.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	
6	Janki	Mango Sorbet/Tutti fruti
5		Chocolate/ strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet/ Tutti fruti
1		Pistachio

\* No direct information is given about Gopal and Deepika ,so we supposed to placed this two on remaining floor as Gopal in 1st & Deepika in 5th floor.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	Chocolate/ strawberry
6	Janki	Mango Sorbet/ Tutti fruti
5	Deepika / Gopal	Chocolate/strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet /Tutti fruti
1	Gopal / Deepika	Pistachio

Two remains unchanged B  
47. Ans. C.

First read whole puzzle carefully and separate the confirm condition first so that we can have some confirmed idea:

\* Farhan lives on the floor numbered third, likes Choco cherry.

\* Only two persons lives between Farhan and Janki. According to condition that janki lives in sixth floor.

\* One who likes pistachio lives in first floor.

\* Only one person lives between the floors on which Harish and Ishika live respectively, Harish who likes Vanilla lives above the floor on which Ishika lives.

\* Ishika neither likes Chocolate nor strawberry.

From above two situation three persons harish, (unknown),& Ishika in consecutive floor, which implies two position of Ishika

\* Janki neither like strawberry nor chocolate, Harish likes vanilla, Komal likes kulfi, Farhan likes choco cherry ,1<sup>st</sup> pistachio. So from above information it gives idea that whether Janki likes Mango sorbet or Tutti fruti.

Floor	Person	Ice-cream
8		
7		
6	Janki	Mango Sorbet/ Tutti fruti
5	Ishika	
4		
3	Farhan	Choco cherry
2	Ishika	
1		Pistachio

Now try to find out related information for above mentioned figure:

\* One who is in the fifth floor neither likes Mango Sorbet nor Tutti fruti. Thus fifth floor person can like chocolate or strawberry but Chocolate is not liked by Ishika , therefore we placed Ishika in 2nd floor liking Mango Sorbet / tutti fruti.

If Ishika is in 2nd floor ,then Harish should lives in 4th floor who likes Vanilla.

\* Komal lives immediately above the floor on which Ekta lives and likes Kulfi. Ekta does not lives on 1st floor. From this information , it is clear we need two consecutive row to fulfil this conditon as Komal likes Kulfi.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	
6	Janki	Mango Sorbet/Tutti fruti
5		Chocolate/ strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet/ Tutti fruti
1		Pistachio

\* No direct information is given about Gopal and Deepika ,so we supposed to placed this two on remaining floor as Gopal in 1st & Deepika in 5th floor.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	Chocolate/ strawberry
6	Janki	Mango Sorbet/ Tutti fruti
5	Deepika / Gopal	Chocolate/strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet /Tutti fruti
1	Gopal / Deepika	Pistachio

Komal likes Kulfi and lives in the top most floor. So answer is C.

48. Ans. E.

First read whole puzzle carefully and separate the confirm condition first so that we can have some confirmed idea:

\* Farhan lives on the floor numbered third, likes Choco cherry.

\* Only two persons lives between Farhan and Janki. According to condition that janki lives in sixth floor.

\* One who likes pistachio lives in first floor.

\* Only one person lives between the floors on which Harish and Ishika live respectively, Harish who likes Vanilla lives above the floor on which Ishika lives.

\* Ishika neither likes Chocolate nor strawberry.

From above two situation three persons harish, (unknown), & Ishika in consecutive floor, which implies two position of Ishika fifth & first.

\* Janki neither like strawberry nor chocolate, Harish likes vanilla, Komal likes kulfi, Farhan likes choco cherry, 1<sup>st</sup> pistachio. So from above information it gives idea that whether Janki likes Mango sorbet or Tutti frutti.

Floor	Person	Ice-cream
8		
7		
6	Janki	Mango Sorbet/ Tutti fruti
5	Ishika	
4		
3	Farhan	Choco cherry
2	Ishika	
1		Pistachio

Now try to find out related information for above mentioned figure:

\* One who is in the fifth floor neither likes Mango Sorbet nor Tutti frutti. Thus fifth floor person can like chocolate or strawberry but Chocolate is not liked by Ishika, therefore we placed Ishika in 2nd floor liking Mango Sorbet / tutti frutti.

If Ishika is in 2nd floor, then Harish should lives in 4th floor who likes Vanilla.

\* Komal lives immediately above the floor on which Ekta lives and likes Kulfi. Ekta does not lives on 1st floor. From this information, it is clear we need two consecutive row to fulfil this condition as Komal likes Kulfi.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	
6	Janki	Mango Sorbet/Tutti frutti
5		Chocolate/ strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet/ Tutti frutti
1		Pistachio

\* No direct information is given about Gopal and Deepika, so we supposed to placed this two on remaining floor as Gopal in 1st & Deepika in 5th floor.

Floor	Person	Ice-cream
8	Komal	Kulfi
7	Ekta	Chocolate/ strawberry
6	Janki	Mango Sorbet/ Tutti fruti
5	Deepika / Gopal	Chocolate/strawberry
4	Harish	Vanilla
3	Farhan	Choco cherry
2	Ishika	Mango Sorbet /Tutti fruti
1	Gopal / Deepika	Pistachio

None statements is true. So answer is E

49. Ans. B.

A child can learn before he/she turns five. So, assumption I is not implicit.

Some schools admit children who are below five years of age, so government gives that advertisement.

So, assumption II is implicit.

50. Ans. B.

Course of action I does not follow due to the words 'all' and 'immediate'.

Course of action II follows because a system should be implemented to certify the quality of tiffin provided by the school.

51. Ans. C.

Dematerialised = become free or deprive of physical substance.

Intangible = unable to be touched; not having a physical presence. Therefore, it is the closest option which has a similar meaning.

**Option A:** Depart means to leave especially in order to start a journey. Therefore, the prompt word is less appropriate.

**Option B:** Coagulate means to change from a fluid into a thickened mass or semi-solid mass. Therefore, it is opposite of the word 'dematerialized'.

**Option C:** Intangible means unable to be touched; not having physical presence.

**Option D:** Immaterial is an adjective which means unimportant under the circumstances; irrelevant. Sometimes, it is also interpreted as something without material form or substance. But the underlining meaning of the word is not similar to 'dematerialized'. Therefore, 'immaterial' is less appropriate.

**Option E:** Solidify means to make hard or become hard or solid. Therefore, it is opposite of the word 'dematerialized'.

52. Ans. D.

Hierarchical is an adjective which refers to the nature of a hierarchy; arranged in order of rank. Unstratified means not deposited in layers. Therefore, it is the closest option which has an opposite meaning. Option A: Dematerialised means to become free or deprive of physical substance. Therefore, it has no relation with word 'hierarchical'. Option B: Echelon means a level or rank in an organisation, a profession, or society.

Therefore, it is a synonym of hierarchical. Option C: Domain means an area of territory owned or controlled by a particular ruler or government. Therefore, it is not an apt word. Option E: Iniquity means immoral or grossly unfair behaviour. Therefore, it has no relation with word 'hierarchical'.

53. Ans. E.

Collaborative is an adjective which refers to produce by or involving two or more parties working together. Unilateral refers to an action or decision performed by or affecting only one person, group, or country involved in a situation, without the agreement of another or the others. Therefore, it is the closest option which has an opposite meaning. Option A: Esoteric is an adjective which intends for or likely to be understood by only a small number of people with a specialised knowledge or interest. Therefore, it is less appropriate. Option B: Synergic is the interaction of elements that when combined produce a total effect that is greater than the sum of the individual elements, contributions, etc. Therefore, it is a synonym of 'collaborative'.

Option D: Conjoint is an adjective which means to join together, combine or associate. Therefore, it is a synonym of 'collaborative'. Option C: Reciprocal refers to an agreement or obligation bearing on or binding each of two parties equally. Therefore, it is a synonym of 'collaborative'.

54. Ans. B.

The most suitable theme of the passage is statement B. The passage is about how in our economy the wealth/profit is not equally distributed; the one who does hard work is not paid fairly in accord with the work but with blockchain technology which encourages decentralisation, we can make a more sharing economy. If we, as a society, really value the concept of a true sharing economy, where the individuals doing the work are fairly rewarded for their efforts, it behooves us all to engage and experiment with this emergent technology, to explore the new opportunities it provides and deploy large, successful, community-driven applications that enable us to resist the formation of blockchain giants.

55. Ans. E.

The following lines convey the points mentioned in the statements.

"Centralised organisations where large operators, often with a dominant position, were responsible for providing a service to a group of passive consumers." "The problem with this model is that, in most cases, the value produced by the crowd is not equally redistributed among all those who have contributed to the value production; all of the profits are captured by the large intermediaries who operate the platforms." "With a blockchain, software applications no longer need to be deployed on a centralised server: They can be run on a peer-to-peer network that is not controlled by any single party."

56. Ans. A.

It can be inferred from the following statements, "Blockchain facilitates the exchange of value in a secure and decentralised manner, without the need for an intermediary." "The most revolutionary aspect of blockchain technology is that it can run software in a secure and decentralised manner." "They can be run on a peer-to-peer network that is not controlled by any single party." "These blockchain-based applications can be used to coordinate the activities of a large number of individuals, who can organise themselves without the help of a third party. Blockchain technology is ultimately a means for individuals to coordinate common activities, to interact directly with one another, and to govern themselves in a more secure and decentralised manner."

57. Ans. D.

"This shift marks the advent of a new generation of "dematerialized" organisations that do not require physical offices, assets, or even employees." This line conveys the meaning of dematerialized organisation. Decentralisation is a systematic delegation of authority/power/profit at all levels of management and in all of the organisation. This meaning is also imported from the passage. Therefore, option D is apt.

58. Ans. C.

Option A: The statement doesn't state anything regarding the organisation, whether it's centralised or decentralised.

Option B: "Blockchain technology thus facilitates the emergence of new forms of organisations, which are not only dematerialized but also decentralised. These organisations — which have no director or CEO, or any sort of hierarchical structure — are administered, collectively, by all individuals interacting on a blockchain." Here, 'these' refers to an organisation which is dematerialized but more decentralised.

Option D: "As such, it is important not to confuse them with the traditional model of "crowd-sourcing," where people contribute to a platform but do not benefit from the success of that platform." Traditional model refers to the centralised organisation, not decentralised organisations.

Option E: "With this new opportunity for increased "cooperativism," we're moving toward a true sharing or collaborative economy". New opportunity refers to blockchain technology.

59. Ans. D.

Option A: The passage states that Blockchain technology will bring decentralisation in the organisation. Thus, as a consequence, decentralisation will promote more transparency in the system. Option B: Blockchain technology will increase "cooperativeness,". Thus, we are moving toward a true sharing or collaborative economy. Option C: "Today we have a new opportunity to replace the model of top-down hierarchical organisations with a system of distributed, bottom-up cooperation with the help of blockchain."

60. Ans. B.

There is no mention of statement B in the passage. The other options can be inferred from the following statements.

Option A: "Over the past 20 years the economy has progressively moved away from the traditional model of centralised organisations, where large operators, often with a dominant position, were responsible



consumers. Today we are moving toward a new model of increasingly decentralised organisations, where large operators are responsible for aggregating the resources of multiple people to provide a service to a much more active group of consumers.” Option C: “Blockchain technology thus facilitates the emergence of new forms of organisations, which are not only dematerialized but also decentralised.” Option D: “Blockchain facilitates the exchange of value in a secure and decentralised manner, without the need for an intermediary.” Option E: “As such, it is important not to confuse them with the traditional model of “crowd-sourcing,” where people contribute to a platform but do not benefit from the success of that platform. Blockchain technologies can support a much more cooperative form of crowd-sourcing — sometimes referred to as “platform cooperativism”— where users qualify both as contributors and shareholders of the platforms to which they contribute.”

61. Ans. C.

Multiple options seem suitable for the first blank so the decisive role will be played by the second blank. Since the sentence states 'vice president might be in something with the president over a topic', there are only two possibilities i.e. it will either be agreement or disagreement.

Occurrence means the fact of something existing or being found in a place or under a particular set of conditions.

Reference means the action of mentioning or alluding to something.

Confrontation means a hostile or argumentative situation or meeting between opposing parties.

Allocation refers to the action or process of allocating or sharing out something.

Deterrence means the action of discouraging an action or event through instilling doubt or fear of the consequences.

To be "in confrontation with someone" is a correct phrase and means to be opposed to someone else. None of the other words can fit in the second blank to convey a

meaning. Hence, option C is the correct answer.

62. Ans. B.

In order to improve the lives of others, one will have to work hard, hence, option C can be outrightly eliminated. "Console" does not fit in the context of the first blank and "idea" would be grammatically incorrect. Hence, option D and E are also wrong. "Strive" as well as "labour" can fit in the first blank, but, only "dimensions" makes appropriate sense in the second one. Thus, option B is the correct answer.

63. Ans. B.

The first blank needs a verb which conveys a meaning opposite to 'dead'. Out of the given options, 'restore' is the word which can be used to fill in the blank. 'Restore' means 'to bring back or re-establish (a previous right, practice, or situation)'.

The sentence implies that a dead reef was restored by transporting live corals from more than 2,000 km away and growing them in turbid waters.

64. Ans. A.

The context here is the emergence of giant industries along with an increase in 'industrial research'. The second blank must have a word that will convey a meaning similar to 'increase'. The first blank in the statement is preceded by the adjective 'widespread', thus the noun in the blank must be such that it should be suitable for this adjective. Neither of the options except 'belief' is suitable in the context of the adjective.

So, the correct response is option A.

65. Ans. A.

The sentence implies that Mehra family has been able to maintain the same lavish lifestyle despite the fact that all its assets have been ruined. 'Keep-up' means to be able to continue and stay at the same level, 'destroyed' also fits in the statement well. Hence, option A is the right answer.

66. Ans. C.

The passage talks about a camera's resolution, thus, option D and E gets eliminated. The first part of the sentence

this does not imply that it is bad. Thus, it is somewhere in between. Going by this description, the most suitable word in this regard as given in the option is 'limited'. Also, since the passage is about camera technology and digital zoom, 'pixel' would be the perfect fit for the second blank. Hence the correct answer is option C.

67. Ans. B.

The sentence conveys that BJP's successful campaign was based on the promise it made. In this 'context' mounted is the most suitable word. Also the first blank is succeeded with 'successful campaign'. It can be concluded that BJP was progressing gradually. Hence, option B is the correct option.

68. Ans. D.

To keep one's card close to the chest means to keep one's plans and intentions secret. So if a party does not reveal its plans, any 'speculation' will get dismissed. None of the other words fit in the first blank space. For the second blank, we require a verb in its base form, thus, options A and B can be eliminated. Since something in relation to government formation is being kept secret, 'announce' is the best-fit word for the second blank. So, option D is the correct answer.

69. Ans. B.

The phrase 'long conversation' in the second half of the sentence implies that an adjective related to talkative is required before 'mood'. The meanings of the words are as follows: Puckish means impish.

Querulous means cranky, whining.

Loquacious means one who loves to talk.

Tremulous means nervous.

Hence, the correct answer is option B

70. Ans. D.

The central idea of the sentence is to punish an offender. Thus, the adverb to be used, to depict the action of the offender should be a negative word in the first blank.

Any punishment that is to be given has to be frightful in this context. Thus, the only option that fits in the two blanks, is option D.

Maliciously is a manner that is characterised by ill will, and rigorous means stringent and strict.

71. Ans. E.

A 'tavern' means a place where alcoholic drinks are sold and drunk. All the places described in the options can be lit by lantern and can lead to another set of halls. Hence, the correct answer is E.

72. Ans. A.

The second part of the sentence provides the reason behind the first part.

**Because of** and **because** are both used to introduce reasons. **Because of** is a preposition, it is generally followed by a verb+ ing or a noun. **Because** is a conjunction, it is followed by a subject and a verb. Since, there are no verbs after because in the options, **because of** is the wrong choice.

Economy is defined as the system according to which the money, industry, and trade of a country or region are organised. A system cannot be countable or measured. So, using **amount** before economy is wrong. Only option i is correct. Hence, the correct answer is A.

73. Ans. B.

All the given options are synonymous with each other. But, the blank requires to tell *where* the enemy is standing, not *describe* the enemy's position. Option ii just tells the position of the enemy without any additional descriptions. High ground is self-explanatory, so extra words are required. Options i and iii, on the other hand describe the position using adjectives. Sentences shouldn't use words and terms that could be avoidable. So, we choose option ii, which completely omits the need for an adjective. Hence, the correct answer is B.

74. Ans. D.

Authors can be a lot of things in our lives, including the options mentioned here. But, the preposition 'in' placed right after the blank means we have to pace the appropriate set of words that match the preposition. Option i ends with 'perspective', which is an attribute of 'lives'. Attributes have 'of' after them.

Even though authors do not deliberately cause conflicts, their work might make us

lead to changes. So, options ii & iii are correct. Hence, the correct answer is D.

75. Ans. D.

Satisfaction is rarely ever associated with adventures. One can be satisfied by the result of an experiment, or even the people around him who could've satisfied him with their work. So, options ii & iii are correct. Hence, the correct answer is D.

76. Ans. C.

The error is in the third part of the statement. The correct spelling is 'overseas'. Thus, option C is the correct answer.

77. Ans. A.

The correct spelling is 'indefatigable' which means (of a person or their efforts) persisting tirelessly.

Hence, the correct answer is option A.

78. Ans. C.

Here sentence completes with "stage", where it is a present continuous.

Thus, option C is the correct one.

79. Ans. E.

All the options are spelled correctly and even have proper grammatical explanations. sickly means often ill; in poor health or unhealthy. So, option E is the correct response.

80. Ans. D.

The error is in the fourth part. The correct word will be 'thought' which is the participle form of 'think'.

Hence, option D is the correct answer.

81. Ans. E.

Sentence A- 'makes' should be used instead of 'make' to maintain subject verb agreement.

Sentence B- The preposition 'for' is incorrect. It should be 'The members for the (of the) board will know all...'

Sentence C- 'leads' should be replaced by 'lead' to maintain subject verb agreement.

Sentence D- determine how work to be doing (done) is shared out... is a grammatical mistake.

82. Ans. E.

Solution: Statement A. Replace 'does' with 'do'. 'Does' is only used in singular, third person. In other cases, 'do' is used. (do,does).

Statement B. Replace 'needs' with 'need'.

'Need' is a singular noun; 'needs' is the plural form. 'Need' is also a present tense verb, and its third person singular conjugation is 'needs'. Statement C. Replace 'childrens' with 'children', plural form of child is children.

Statement D. Replace 'man' with 'men' given sentence is talking about more than one man hence 'men' will be appropriate noun.

Statement E. Sentence E has no errors.

83. Ans. B.

Statement A: The statement says 'this region' which is singular, hence the correct verb should be 'entails' and not 'entail'.

Statement C: Use 'such as' in place of 'as'.

Statement D: 'is intends' is incorrect.

Statement E: 'which' should be replaced by 'that'. Which defines non-restrictive clause i.e. information which is not important to be stated for the sentence to make complete sense while that defines a restrictive clause i.e. information which is mandatory for the sentence to make sense.

84. Ans. B.

In statement A, "Scout of" must be used in place of "scouts in" as preposition 'of' is used to express the relationship between a part and a whole. In statement C in the first place "must" be used in place of "in a first place" as it's used in place of "to begin with".

Statement D talks about a particular country which is why "The country" must be used in place of "A country". In statement E "eventual champions" must be used instead of "eventually champions" as it's used to refer to the end process. The correct answer is option B.

85. Ans. A.

B: When we talk about a range, we talk about many elements in the given category. So, the category (human emotion) should be in plural. Farce means a comedy characterized by broad satire and improbable situations. The correct word should be 'face'. Option B is wrong.

C: Adele's mother is older than her. So, when the emphasis is put on the fact that Adele begun young, she definitely didn't start

D: Overseeing means watch and direct. Overlooking means look past, fail to notice. Since, Adele wanted to make a career out of it, she didn't overlook artistic development. Option D is wrong.

E: 'Not only' is followed by 'but also' with a clause in between. Option E is wrong. Hence, the correct answer is A.

86. Ans. C.  
The idiom 'cake not worth the candle' implies that the result is not worth the effort put in to achieve it. Therefore, option B is the correct answer.

87. Ans. C.  
The idiom "a knight in the shining armour" is used for a person who helps others in need and the above sentence talks about a person helping another person whose car broke down. Out of the given options only third option gives the similar meaning. Hence, option C is correct.

88. Ans. D.  
'Separate wheat from chaff' means sorting out the useless from the valuable. Hence the correct answer is D.

89. Ans. A.  
The idiom "chew the fat" means to gossip in a casual manner. Thus, option A is the correct answer.

90. Ans. D.  
"Come apart" is used to show separation between two things. Hence the correct answer is option D.

91. Ans. E.  
This can be interpreted from these lines, "Public administration, for example, is still in dire need of an overhaul.... The ramshackle state of Greece's judicial system is another obstacle to economic activity." Hence, option E is the correct answer.

92. Ans. E.  
Statement (i) is incorrect as we cannot conclude that Greece will default on its debt obligation when fresh loans from its creditors are in sight.  
Statement (ii) is incorrect because apart from debt relief Greek government needs successful implementation of reforms to put the economy back on the track.

government has been engaged in introducing reforms although they have not proved always to be successful.  
Hence, none of these is the correct answer.

93. Ans. D.  
Statement D can be interpreted from these lines of the passage, "If the bloc can agree to give its weakest member a chance of turning itself around, Athens has the means to lift itself". This has again been reiterated further in the passage, "Coming to an agreement on debt relief will be crucial for the country's ability to put itself back on a path to growth." Hence, option D is the correct answer.

94. Ans. E.  
This can be interpreted from these lines, "For this to happen, the creditors will have to agree to lighten the country's debt load and Greece will have to remove barriers to growth." Hence, option E is the correct answer.

95. Ans. C.  
This can be interpreted from these lines, "There are several key areas where reforms have either not happened or have failed to take root, restricting Greece's ability to reach its full potential." Hence, option C is the correct answer.

96. Ans. A.  
This can be interpreted from these lines, "Debt relief for Greece, whose public commitments stand at 179 percent of GDP, remains a highly divisive issue among eurozone members and the International Monetary Fund...". Hence, option A is the correct answer.

97. Ans. D.  
Statement (i) can be interpreted from these lines, "Debt relief for Greece, whose public commitments stand at 179 percent of GDP, remains a highly divisive issue among eurozone members and the International Monetary Fund, whose expectations at last month's meeting went far beyond what Germany and other eurozone member states believed to be politically feasible. But political feasibility cuts both ways. And after nearly a decade of unpopular, painful and not always successful reforms, Greece needs space to

Statement (ii) can be interpreted from these lines, "it may help dispel the toxicity surrounding the idea of reforms among its citizens."

Statement (iii) cannot be inferred from the given passage.

98. Ans. C.

"Pariah" refers to "a person driven out of a group or community".

Hence, "outcast" is the most similar word. Renegade means a person who deserts and betrays an organization, country, or set of principles.

Recluse means a person who lives a solitary life and tends to avoid other people.

99. Ans. D.

"Excruciating" refers to "extremely painful or agonizing".

Hence, "soothing" which means "having a calming, assuaging, or relieving effect" is the correct answer.

100. Ans. B.

Ramshackle means "in deplorable condition or falling to ruin".

On the contrary, "Robust" means "strong enough to withstand or overcome challenges or adversity."

Hence, "robust" is the most opposite word.

101. Ans. A.

The Pattern is:-

24

$$24 + 18 = 42$$

$$42 + 21 = 63$$

$$63 + 27 = 90$$

$$90 + 36 = 126$$

$$126 + 48 = 174$$

Thus, the missing number is 174

So option (a) is the correct answer.

102. Ans. B.

The sequence of the series is given below:

$$8 \times 0.5 = 4$$

$$4 \times 1 = 4$$

$$4 \times 1.5 = 6$$

$$6 \times 2 = 12 = ?$$

$$12 \times 2.5 = 30$$

$$\text{Hence, } ? = 12$$

103. Ans. B.

$$6 \times 1.5 + 1.5 = 10.5$$

$$10.5 \times 3 + 3 = 34.5$$

$$34.5 \times 6 + 6 = 213$$

$$213 \times 12 + 12 = 2568$$

$$2568 \times 24 + 24 = 61656$$

104. Ans. B.

$$11^2 + 11 = 132$$

$$12^2 + 12 = 156$$

$$13^2 + 13 = 182$$

$$14^2 + 14 = 210$$

$$15^2 + 15 = 240$$

$$16^2 + 16 = 272$$

$$17^2 + 17 = 306$$

105. Ans. B.

The Pattern is:-

$$6^3 - 15 = 201$$

$$7^3 - 15 = 328$$

$$8^3 - 15 = 497$$

$$9^3 - 15 = 714$$

$$10^3 - 15 = 985$$

$$11^3 - 15 = 1316$$

Thus, the missing number is 1316

So option (b) is the correct answer.

106. Ans. B.

Total number of books sold from store D on Sunday, Monday and Tuesday together = 68 + 74 + 78 = 220

Total number of books sold from store E on Tuesday, Wednesday and Thursday together = 90 + 86 + 84 = 260

Required Ratio = 220: 260 = 11: 13

107. Ans. D.

Number of books sold from store C on Friday =  $40 \times \frac{115}{100} = 46$

Number of books sold from store D on Friday =  $95 \times \frac{120}{100} = 114$

Total books = 46 + 114 = 160

108. Ans. C.

Total number of books sold from store B on Tuesday and Wednesday together = 55 + 85 = 140

Total number of books sold from stores C and D together on Monday = 36 + 74 = 110  
Percentage

$$= \frac{140-110}{110} \times 100 = \frac{30}{110} \times 100 = 27.27\%$$

109. Ans. D.

Books sold from store B on Sunday = 89

Books sold from store C on Tuesday = 82

Books sold from store E on Thursday = 84

$$\text{Required Average} = \frac{89+82+84}{3} = 255/3 = 85$$

110. Ans. A.

Total number of books sold from stores C and E together on Tuesday = 82 + 90 = 172

Total number of books sold from store B on Monday and Thursday together = 57 + 54 = 111

$$\text{Required difference} = 172 - 111 = 61$$

111. Ans. C.

Let the total work = 360 units (LCM of 36 and 40)

Amount of work done by A and B together in

$$\text{one day} = \frac{360}{36} = 10 \text{ units}$$

Amount of work done by B and C together in

$$\text{one day} = \frac{360}{40} = 9 \text{ units}$$

Amount of work done by A and B together in

$$15 \text{ day} = 15 \times 10 = 150 \text{ units}$$

Amount of work done by B and C together in

$$5 \text{ day} = 9 \times 5 = 45 \text{ units}$$

Amount of work done by C alone in 33 day

$$= 360 - 150 - 45 = 165 \text{ units}$$

Amount of work done by C alone in one day

$$= \frac{165}{33} = 5 \text{ units}$$

Amount of work done by B alone in one day

$$= 9 - 5 = 4 \text{ units}$$

Amount of work done by A alone in one day

$$= 10 - 4 = 6 \text{ units}$$

Time taken by A alone to complete the work

$$= \frac{360}{6} = 60 \text{ days}$$

So option (c) is the correct answer.

112. Ans. C.

Let one day work of man, woman and child be x, y and z units.

According to question,

$$1x = 2y = 3z$$

Ratio of efficiency of man, woman and child = 6:3:2

Then, total work = (4×6+6×3)×10 = 420 units

$$\text{Required Women} = \frac{420}{20 \times 3} = 7 \text{ women}$$

113. Ans. B.

Lcm of 6,12,18 → 36

So A → 6 Unit/hr

B → 3 Units /Hr

C → 2 units/hr

Upto 1/3<sup>rd</sup> height → 12 A will work so it will take 2 Hr

After 12, for next 12 A+B work so → 4 Hours

Next → A+B+C will work → 12 hr

Total time → 12+4+2 → 18 Hours

114. Ans. D.

Let the speed of train be x Km/hr

Then,

$$(x - 5.5) \times \frac{9.4}{60 \times 60} = (x - 6.6) \times \frac{9.6}{60 \times 60}$$

$$9.4x - 9.4 \times 5.5 = 9.6x - 9.6 \times 6.6$$

$$x = 58.3 \text{ Km/hr}$$

Speed of train = 58.3 Km/hr

115. Ans. B.

Total distance travelled = (60 × 1 + 50 × 2 + 55 × 3) = 325 km

Total time taken = 6 hours

Hence, mean speed = 325/6

$$= 54 \frac{1}{6} \text{ km/h}$$

116. Ans. B.

The ratio of the amount of water and the amount of alcohol in container Q

$$= 598: 253 = 26: 11$$

So, the amount of water remained in the container Q after selling 185 litres of the mixture

$$= 598 - \frac{26}{37} \times 185 = 598 - 130 = 468 \text{ litres}$$

And the amount of alcohol remained in the container Q after selling 185 litres of the

mixture  
 $= 253 - \frac{11}{37} \times 185 = 253 - 55 = 198$  litres

Required ratio  
 $= 198 : (468 + 38) = 198 : 506 = 9 : 23$

So option (b) is the correct answer.

117. Ans. D.

Ratio of the amount of water to the amount of alcohol in container P = 418 : 154 = 19 : 7

Amount of water transferred to container S from container P =  $\frac{19}{26} \times 208 = 152$  litres

Amount of alcohol transferred to container S from container P =  $\frac{7}{26} \times 208 = 56$  litres

So, the amount of water in container S after transferring 208 litres of mixture from container P = 608 + 152 = 760 litres

And, the amount of alcohol in container S after transferring 208 litres of mixture from container P = 418 + 56 = 474 litres

Therefore, required ratio = 760 : 474 = 380 : 237

So option (d) is the correct answer.

118. Ans. A.

Ratio of the amount of water to the amount of alcohol in container R = 529 : 184 = 23 : 8

Amount of water remained in the container R after taking 310 litres of mixtures

$$= 529 - \frac{23}{31} \times 310 = 529 - 230 = 299 \text{ litres}$$

Amount of alcohol remained in the container R after taking 310 litres of mixtures

$$= 184 - \frac{8}{31} \times 310 = 184 - 80 = 104 \text{ litres}$$

Amount of water mixed in the container R

$$= \frac{17}{24} \times 72 = 51 \text{ litres}$$

Amount of alcohol mixed in the container R

$$= \frac{7}{24} \times 72 = 21 \text{ litres}$$

Required ratio

$$= (299 + 51) : (104 + 21) = 350 : 125 = 14 : 5$$

So option (a) is the correct answer.

119. Ans. B.

Amount of water in the container T

= 567 litres

Amount of alcohol in the container T =

348 litres

$$\text{So, } \frac{567+x}{348} = \frac{48}{29}$$

$$= 16443 + 29x = 16704$$

$$= 29x = 261; x = \frac{261}{29} = 9$$

Amount of water taken out

$$= 308 \times \frac{48}{77} = 192 \text{ litres}$$

Amount of alcohol taken out

$$= 308 \times \frac{29}{77} = 116 \text{ litres}$$

Amount of water left in the container

$$= 576 - 192 = 384 \text{ litres}$$

Amount of alcohol left in the container

$$= 348 - 116 = 232 \text{ litres}$$

$$\text{Required ratio} = 384 : (232+24) = 384 : 256 = 3 : 2$$

So option (b) is the correct answer.

120. Ans. A.

The amount of water in container F = 418 + 598 + 529 + 608 + 567 = 2720 litres

The amount of alcohol in container F = 154 + 253 + 184 + 418 + 348 = 1357 litres

Required time = 2720 - 1357 = 1363 litres

So option (a) is the correct answer.

121. Ans. A.

The ratio is  $\rightarrow 1/7 : 1/2 : 1/4$

Multiply this ratio by 28 (LCM of denominators of the fraction). The new ratio becomes  $\rightarrow$

$$4 : 14 : 7 \rightarrow 25 \rightarrow 62500$$

$$1 \rightarrow 2500$$

$$\text{Shares of his son} \rightarrow 2500 \times 4 = 10000$$

$$2500 \times 14 = 35000$$

$$2500 \times 7 = 17500$$

Largest Share - 35000

122. Ans. B.

Let the number of students from City A and B are - 200 and 500

City A - 200 - 10% increase = 220

New Sum becomes  $\rightarrow 720 = 36000$

$$1 = 50$$

Old ratio = 100 : 250

After 10% increase  $\rightarrow 110 : 250 = 11 : 25$

123. Ans. C.

Let the number of employees initially and finally be 3a and 2a

Let the wages be 5b and 12b

Total wage initially = 5b  $\times$  3a = 15ab

Total wage finally =  $2a \times 12b = 24ab$

Profit% over previous wage

$$= \frac{24ab - 15ab}{15ab} \times 100\% = 60\%$$

124. Ans. B.

Weight of 40 students =  $40 \times 75$

new weight =  $40 \times 75 - 74 - 66 + 66 + 54 = 40 \times 75 - 20$

so new average =  $(40 \times 75 - 20) / 40 = 74.50$  kg

125. Ans. B.

$(E+1)/y = 1/0.5 = 0.5E + 0.5 = y$

$$\frac{Y-2}{E} = 1/3 = 3y - 6 = E$$

On solving,

Y = 5 years and E = 9 years.

126. Ans. E.

Let, the number of boys and the number of girls initially =  $15x$  and  $13x$  respectively

Let, the number of students who live in the

hostel and the number of non - hostel

students =  $5y$  and  $9y$  respectively

Statement I:

Let, the number of students who lives in the

hostel and the number of non - hostel

students after 98 students left the school =  $z$

and  $2z$ , respectively

So,  $28x = 14y$

$2x = y$

And,  $28x - 98 = 3z$

$14y = 3z + 98$

So,  $14y - 98 = 3z$

Therefore, statement I alone is not sufficient to answer the question

Statement II:

Let, the number of boys and the number of

girls after 98 students left the school =  $11a$

and  $10a$  respectively

So,  $28x = 14y$

$2x = y$

And,  $28x - 98 = 21a$

$14y = 21a + 98$

So,  $14y - 98 = 21a$

$14y = 21a + 98$

Therefore, statement II alone is not sufficient to answer the question

Combining statement I and statement II:

Let, the number of students who lives in the

hostel and the number of non - hostel

students after 98 students left the school =  $z$

and  $2z$ , respectively

So,  $28x = 14y$

$2x = y$

And,  $28x - 98 = 3z$

$14y = 3z + 98$

So,  $14y - 98 = 3z$

Let, the number of boys and the number of

girls after 98 students left the school =  $11a$

and  $10a$  respectively

So,  $28x = 14y$

$2x = y$

And,  $28x - 98 = 21a$

$14y = 21a + 98$

So,  $14y - 98 = 21a$

$14y = 21a + 98$

Therefore,  $3z = 21a$

$z = 7a$

So,  $28x - 98 = 21a$

And,  $14y - 98 = 21a$

$28x - 98 = 14y - 98$

$2x = y$

So, the data even in both Statements I and

II together are not sufficient to answer the

question.

So option (e) is the correct answer.

127. Ans. A.

Statement I:

A: B = 5: 3

$$\text{Also, } C = \frac{2(A+B+C)}{3}$$

Also,  $A+6=2(A-7)$

$2A - A = 6+14=20$

A = 20

$$\text{Age of B} = \frac{20}{5} \times 3 = 12 \text{ years}$$

$$\text{Therefore, } C = \frac{2(A+B+C)}{3} = 64 \text{ years}$$

Therefore, statement I alone is sufficient to answer the question

Statement II:

$$\frac{A+B}{C} = \frac{1}{2}$$

$$2(A+B) = C$$

$$\text{Also, } B = \left(\frac{A}{2}\right) + 2$$

$$\text{Also, } A + 2 = 2(B-1)$$



Both the equations are same, so we can't find the values of A and B.

So, age of C can't be found

Therefore, statement II alone is not sufficient to answer the question

So, the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question

So option (a) is the correct answer.

128. Ans. B.

Statement I:

Let, the amount of milk present initially in the container = x litres

And, the amount of water present initially in the container = y litres

Let, the amount of water in the container after mixing = 3z

And, the amount of milk in the container after mixing = 8z

$$\text{So, } x - \frac{x}{x+y} \times 72 + 12 = 8z$$

$$\text{And, } y - \frac{y}{x+y} \times 72 = 3z$$

Subtracting both the equations,

$$x - \frac{x}{x+y} \times 72 + 12 - y + \frac{y}{x+y} \times 72 = 8z - 3z$$

$$x - y + 12 = 5z$$

Therefore, statement I alone is not sufficient to answer the question

Statement II:

Let, the amount of milk present initially in the container = x litres

And, the amount of water present initially in the container = y litres

$$\text{So, } x - \frac{x}{x+y} \times 72 + 12 = 480$$

$$x - \frac{x}{x+y} \times 72 = 468$$

$$\text{And, } y - \frac{y}{x+y} \times 72 = 180$$

Dividing both the equations,

$$\frac{\left(x - \frac{x}{x+y} \times 72\right)}{y - \frac{y}{x+y} \times 72} = \frac{468}{180}$$

$$\frac{x^2 + xy - 72x}{y^2 + xy - 72y} = \frac{13}{5}$$

$$\frac{x(x + y - 72)}{y(x + y - 72)} = \frac{13}{5}$$

$$\frac{x}{y} = \frac{13}{5}$$

Required ratio = 5: 13

Therefore, statement II alone is sufficient to answer the question

So, the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

So option (b) is the correct answer.

129. Ans. D.

Statement I:

Since, we don't know the volume of water in the conical vessel, height of water in vessel cannot be calculated even if length and breadth of the cuboidal vessel is given.

Therefore, statement I alone is not sufficient to answer the question

Statement II:

Since, the radius of the conical vessel is equal to the height of the water raised in the cuboidal vessel; it is not possible to calculate the height of water in the vessel.

Therefore, statement II alone is not sufficient to answer the question

Combining statement I and statement II:

Let the radius of the conical vessel be x cm

Then height of the water in the cuboidal vessel = x cm

According to the question,

$$50\% \text{ of } \left(\frac{1}{3} \times \pi \times x^2 \times 12\right) = 10 \times 6 \times x$$

$$0.5 \times \frac{1}{3} \times 3 \times x^2 \times 12 = 10 \times 6 \times x$$

$$x = 10 \text{ cm}$$

So, the height of water in the cuboidal vessel = 10 cm

So, the data in both statements I and II together are necessary to answer the question

So option (d) is the correct answer.

130. Ans. C.

Statement I:

Quantity of liquid B in mixture X = 25 litres  
Quantity of liquid A in mixture X = 40 - 25 = 15 litres

Quantity of mixture Y = 60 litres

Since, 20% of the mixture is taken out from the mixture X

So, quantity of liquid taken out = 20% of 40 = 8 litres

New quantity of mixture X = 40 - 8 = 32 litres

Quantity of liquid B in mixture Y initially = 25 - 5 = 20 litres

Quantity of liquid A in mixture Y initially = 60 - 20 = 40

Ratio of liquid A to liquid B in mixture X = 15: 25 = 3: 5

So, new quantity to liquid B in mixture Y =  $20 + 8 \times \frac{5}{8} = 25$  litres

Therefore, statement I alone is sufficient to answer the question

Statement II:

Quantity of mixture X = 40 litres

Quantity of liquid B in mixture X = 25 litres

Quantity of liquid A in mixture X = 40 - 25 = 15 litres

Quantity of mixture Y = 60 litres

Since, 20% of the mixture is taken out from the mixture X

So, quantity of liquid taken out = 20% of 40 = 8 litres

New quantity of mixture X = 40 - 8 = 32 litres

Quantity of liquid B in mixture Y initially = 45 - 25 = 20 litres

Quantity of liquid A in mixture Y initially = 60 - 20 = 40

Ratio of liquid A to liquid B in mixture X = 15: 25 = 3: 5

So, new quantity to liquid B in mixture Y =  $20 + 8 \times \frac{5}{8} = 25$  litres

Therefore, statement II alone is sufficient to answer the question

So, the data either in Statement I or in Statement II alone are sufficient to answer the question.

So option (c) is the correct answer.

131. Ans. C.

Ratio in which Ram, Swati and Mohan

invested initially =  $\frac{1}{3} : \frac{2}{3} : \frac{4}{5}$  or 5 : 10 : 12

Let the amount invested by Ram, Swati and Mohan is 5x, 10x and 12x.

Hence, total ratio in which Ram, Swati and Mohan invested throughout the year

$= 5x \times 8 + \frac{5x}{2} \times 4 : 10x \times 12 : 12x \times 8 + \frac{7}{6} \times 12x \times 4$

= 50 : 120 : 152

= 25 : 60 : 76

132. Ans. C.

Number of females = 0.42 × 7500 = 3150

Number of males = 7500 - 3150 = 4350

Let the number of literate males and females be x and y respectively.

The number of illiterate males and females will be (4350 - x) and (3150 - y) respectively

Now  $x + y = 2370 \rightarrow (1)$

And  $(4350 - x) - (3150 - y) = 90$

$1200 + y - x = 90$

$X - Y = 1110 \rightarrow (2)$

Solving (1) and (2) we get;

X = 1740

Required percentage =  $1740/4350 \times 100 = 40\%$

133. Ans. B.

marks obtained by P =  $600 \times 1/3 = 200$

Marks obtained by Q =  $200 + 200 \times 40/100 = 280$

Let R have scored x

Acc. To Question

$X - x/9 = 280$

$8x/9 = 280$

X = 315

134. Ans. A.

Total executive class seats = 50

Total chair cars seats = 450

Total booked seats =  $500 \times 85\% = 425$

Total executive class seats booked =  $50 - 50 \times 4\% = 48$

$\therefore$  empty chair car seats =  $450 - (425 - 48) = 73$

135. Ans. A.

Let there are 500,400,500 litres in 3 containers respectively.

So, we have 83.33,150 and 208.33 liters of milk in each of the three containers.

Total milk is 441.66 liters. So the amount of water in the mixture is  
 $1400 - 441.66 = 958.33$  l

Ratio of milk to water

is  $\rightarrow 441.66 : 958.33 \rightarrow 53 : 115$

136. Ans. B.

It is given that the ratio of orange juice to pineapple juice in mixture P is 5 : 8.

In mixture P,

Orange juice + pineapple juice = 65

So, orange juice =  $\frac{5}{13} \times 65 = 25$  liters

Percentage of orange and pineapple juice =  
 $100 - 35 = 65$

So, percentage of orange juice

=  $\frac{5}{13} \times 65 = 25\%$

Now, mixture P =  $\frac{100}{25} \times 25 = 100$  liters

Hence, option (B) is the answer.

137. Ans. D.

In mixture T, orange juice is 10% of the mixture. So,

Percentage of pineapple juice in mixture T =  
 $100 - (42 + 10) = 48\%$

Ratio of apple juice to pineapple juice

=  $\frac{10}{48} = \frac{5}{24}$

Orange juice + pineapple juice = 116

Orange juice =  $\frac{5}{29} \times 116 = 20$  liters

Now, mixture T =  $\frac{100}{10} \times 20 = 200$  liters

It is given that the amount of mixture T and Q are equal. So,

Mixture Q = 200 liters

Apple juice in Q =  $\frac{24}{100} \times 200 = 48$  liters

Therefore, difference =  $48 - 20 = 28$  liters

Hence, option (D) is the answer.

138. Ans. B.

Mixture S = 40 liters

Orange juice + pineapple juice in S = 28 liters

Ratio of pineapple juice to orange juice is 3:4.

So,

Orange juice in S =  $\frac{4}{7} \times 28 = 16$  liters

Apple juice in S =  $\frac{30}{100} \times 40 = 12$  liters

Difference =  $16 - 12 = 4$

Mixture R = 20 liters

Apple juice in R =  $\frac{35}{100} \times 20 = 7$  liters

Ratio =  $4/7$

Hence, option (B) is the answer.

139. Ans. A.

Orange juice + pineapple juice in U = 90 liters

Given that in mixture U, orange and pineapple juice are equal.

So, orange juice = pineapple juice = 45 liters

Percentage of orange and pineapple juice in mixture U =  $100 - 40 = 60\%$

So, percentage of orange = 30%

Now, mixture U =  $\frac{100}{30} \times 45 = 150$  liters

Therefore, sum of apple and orange juice in

mixture U =  $\frac{(40+30)}{100} \times 150 = 105$

Hence, option (A) is the answer.

140. Ans. D.

Average =  $\frac{100+200+20+40+200+150}{6} = 118.33$

Hence, option (D) is the answer.

141. Ans. A.

Let the price of the second variety of rice be x per kg

Total cost of first variety of rice =  $40 \times 80 =$  Rs 3200

And the total cost of second variety of rice =  $60 \times x =$  Rs 60x

Total selling price of both varieties of rice

=  $(80+60) \times 35$

= Rs 4900

Since there is no profit or loss

So,

$3200 + 60x = 4900$

$60x = 1700$

$x = 28.33$

142. Ans. A.

Let the total number of oranges be 'x'  
5% are found to be broken

Remaining = 95%

He sells 93% of the remaining, it means 7% of the remaining oranges are left, which is equal to 266 oranges

$$\text{So, } \frac{7}{100} \times \frac{95}{100} \times x = 266$$

$$x = \frac{266 \times 100 \times 100}{7 \times 95}$$

x = 4000

So option (a) is the correct answer.

143. Ans. C.

let's initial avg expense was x rs.

ATQ,

$$56x + 300 = 70(x - 30)$$

$$56x + 300 = 70x - 2100$$

$$14x = 2400$$

$$x = \frac{2400}{14} = 171.43$$

144. Ans. B.

Amount increases by 300% in 15 years

Percentage increase in 1 year

$$= \frac{300\%}{15} = 20\%$$

Interest earned on Rs. 30000 at the rate of 20% per annum compounded annually in 3 years

$$= 30000 \times \left(1 + \frac{20}{100}\right)^3 - 30000$$

$$= 30000 \times \left(\frac{6}{5}\right)^3 - 30000$$

$$= 51840 - 30000 = \text{Rs. 21840}$$

So option (b) is the correct answer.

145. Ans. B.

Let speed in still water = x km/hr

Current = y km/hr

$$\text{So } 4(x+y) = 15(x-y) + 8$$

$$\text{Solve, } 11x - 19y + 8 = 0 \text{ equation 1.}$$

$$\text{Also } (x+y) - (x-y) = 24$$

$$\text{So } y = 12$$

$$\text{Put in (equation 1) } x = 20$$

$$\text{So } x/y = 20/12 = 5/3$$

146. Ans. A.

Let speed of boat in still water =  $S_B$

and speed of current =  $S_s$

$$\frac{48}{S_B - S_s} + \frac{72}{S_B + S_s} = 12$$

$$\frac{72}{S_B - S_s} + \frac{48}{S_B + S_s} = 12$$

$$\text{Let } \frac{1}{S_B - S_s} = x \text{ and } \frac{1}{S_B + S_s} = y$$

$$\text{Then } 48x + 72y = 12 \dots\dots\dots(i)$$

$$\text{And } 72x + 48y = 12 \dots\dots\dots(ii)$$

On adding (i) and (ii)

$$120x + 120y = 25 = x + y = 5/24 \dots\dots (iii)$$

On subtracting (ii) from (i)

$$24y - 24x = -1 = x - y = 1/24 \dots\dots (iv)$$

On adding (iii) and (iv),

$$2x = 1/4 = x = 1/8 = S_B - S_s = 8 \dots (v)$$

On Subtracting (iv) and (iii)

$$2y = 1/6 = y = 1/2 = S_B + S_s = 12 \dots (vi)$$

Subtracting (v) from (vi)

$$2 S_s = 4 = S_s = 2$$

Hence speed of stream = 2 km/h

147. Ans. A.

Let the average expenditure per head = x

No. of students = 11

Now, according to question

$$11x + 45 = 15(x - 13)$$

$$11x + 45 = 15x - 195$$

$$4x = 240$$

$$x = 60$$

Original expenditure of mess =  $11x = 11 \times$

$$60 = \text{Rs. 660}$$

148. Ans. A.

Number of male passengers = 40.

Let initial number of female passengers be x.

Initially there were  $(40 + x)$  passengers.

At the stop,  $x/2$  females get down.

Now there are  $(40 + x/2)$  passengers.

$$(40 + x/2) = 2/3 (40 + x)$$

$$3(80 + x) = 4(40 + x)$$

$$240 + 3x = 160 + 4x$$

$$X = 80$$

$$\text{and } x/2 = 40$$

40 females got down at the stop

149. Ans. C.

Let the number of green balls = x

So,

$${}^x C_1 / {}^{24} C_1 = 2/3$$

$$x/24 = 2/3$$

$$x = 16$$

$$\text{So, numbers of blue ball} = 24 - 16 = 8$$

150. Ans. B.

Let angles of the quadrilateral =  $2x$ ,  $4x$ ,  $7x$  and  $5x$

$$2x + 4x + 7x + 5x = 360$$

$$18x = 360$$

$$x = 20$$

$$\text{Smallest angle of quadrilateral} = 2x = 2 \times 20 = 40^\circ$$

Angles of triangle =  $40^\circ$  (=Smallest angle of quadrilateral)

$$\text{Another angle of a triangle} = 40 \times 2 = 80^\circ$$

$$\text{Required angle} = 180 - (80 + 40) = 180 - 120 = 60^\circ$$

151. Ans. C.

\* The joint exercise between Indian Air Force and the United States Air Force, 'Cope India 2019' was conducted at Kalaikunda and Panagarh Air Force Base in West Bengal (India).

\* The objective of the exercise is to provide operational exposure and undertake a mutual exchange of best practices towards enhancing operational capability.

152. Ans. A.

Union Minister for sports Col. Rajyavardhan Singh Rathore has inaugurated the 2nd edition of 'Khelo India Youth Games' in Pune, Maharashtra.

Khelo India Youth Games (KIYG) held annually are the national level multidisciplinary grassroots games in India held for two categories (under-17 years school students & under-21 college students).

Every year the best 1000 kids will be given an annual scholarship of Rs. 500,000 for 8 years to prepare them for the international sporting events.

153. Ans. C.

The Indian Mobile Congress 2018 (second edition) held in New Delhi's Aerocity.

The digital forum is organized by the COAI and brings together industry partners, OEMs, service providers, policymakers and experts to discuss and deliberate on emerging technology, issues, policy guidelines.

The theme for this year is "New Digital Horizons Connect, Create, Innovate."

154. Ans. C.

The Reserve Bank of India (RBI) has constituted a five-member High-Level Committee headed by UIDAI's former Chairman Nandan Nilekani.

The committee will review the existing status of digitisation of payments and suggest ways to bridge any gaps in the ecosystem.

155. Ans. B.

Punjab

The first 2G (Second Generation) ethanol bio-refinery will be set up at village Tarkhanwala in Bathinda, Punjab with an approximate investment of Rs 600 crores. The Hindustan Petroleum Corporation Limited (HPCL), a Central Government Public Sector Undertaking, will set up the project. The foundation stone laying ceremony for the project will held on December 25, 2016.

156. Ans. C.

India successfully test-fired nuclear-capable ballistic missile Agni-5, which has a strike range of 5,000 km

Agni-V is an intercontinental ballistic missile developed by the Defence Research and Development Organisation of India (DRDO).

157. Ans. C.

As per the Insurance Laws (Amendment) Bill, 2015, the minimum capital requirement for setting up standalone health insurance companies in India is Rs. 100 crores.

158. Ans. B.

**Good Governance Day** is a day of national importance in India observed annually on the 25 day of December, the birth anniversary of former-Prime Minister Atal Bihari Vajpayee. Good Governance Day was established in 2014 to honor Prime Minister Vajpayee by fostering awareness among the Indian people of accountability in government.

159. Ans. A.

Balphakram National Park, **Meghalaya** is one of the well known national parks in India.

It is home to wide species of plants and animals and is located in the midst of the **Garo Hills** in **Meghalaya**. Balphakram National Park, **Meghalaya** is located around 3000 meters above sea level.

160. Ans. A.

The book "**An Era of Darkness**: The British Empire in India" has been authored by Dr. Shashi Tharoor, the Lok Sabha MP.

161. Ans. C.

The **17th FIFA U-17 World Cup**, a biennial international football tournament contested by **men's under-17 national teams**. **England** won the **U-17 World Cup** for the first time after coming back from a two-goal deficit and beating **Spain 5-2** in the final. It was organized from **6 to 28 October 2017**. **24 teams** across the world participated in U-17 World Cup.

162. Ans. A.

Anupam Mishra (68), who recently passed away in New Delhi, was the noted environmentalist, Gandhian ideologue, a journalist, an author and an authoritative voice in the field of water conservation in India.

163. Ans. A.

Noted agriculturalist Jayaraman passed away in Chennai. He was the pioneer of the protection and propagation of indigenous paddy varieties in Tamil Nadu.

Jayaraman has been credited with documenting and protecting more than 170 paddy varieties.

His diligent work in the field of protecting the gene prototypes of indigenous paddy varieties won him the National Award in 2015 and a state award in 2011.

164. Ans. D.

Gurudongmar Lake is one of the highest lakes in the world and in India, located at an altitude of 17,800 ft (5,430 m), in the Indian state of Sikkim.

It is considered sacred by Buddhists, Sikhs and Hindus.

The lake is named after Guru Padmasambhava—also known as Guru Rinpoche—founder of Tibetan Buddhism, who visited in the 8th century.

It is claimed that the lake was blessed in the 15th century by Guru Nanak, the spiritual leader of Sikhism, while he passed through this area.

165. Ans. D.

The list is topped for the first time ever by Chinese President Xi Jinping, who ousted Russian President Vladimir Putin as the most influential person on the planet.

PM Modi ranks 9th on the list. The PM ranks ahead of Facebook CEO Mark Zuckerberg (who is at 13th spot).

Top 5 in the list -

1 Xi Jinping (China); 2 Vladimir Putin (Russia); 3 Donald Trump (United States); 4 Angela Merkel (Germany); 5 Jeff Bezos (Amazon.com).

166. Ans. C.

In a bid to tap the smaller towns and villages in the country, private sector lender **YES Bank** is planning to adopt **2,000 villages by 2021** and provide banking and agri-tech solutions to more than a lakh people through this initiative.

By March 2019, the bank plans to adopt 200 villages that will be selected on the basis of available cultivable land, irrigation facilities, cropping pattern, and credit culture, among other key productivity criteria.

As part of its first-of-its-kind village adoption programme, YES Bank said that it has started the financial inclusion initiative from a nondescript village called Abhimayupur, in Haryana, where more than 100 farmers will be introduced to digital banking through financial literacy sessions.

167. Ans. A.

ICICI Bank

The ICICI bank has recently launched "EazyPay" a mobile-based application for merchants that allow consolidation of all modes of payments, including digital wallets, Unified Payments Interface (UPI), QR code, and credit & debit cards. The app is a one-stop solution for all merchants to collect payments from their customers, allows multiple users to connect to the same account.

168. Ans. A.

'Lucky Grahak Yojana' and 'Digi Dhan Vypar Yojana' is the initiative plans launched by NITI (National Institution of Transforming India) on 8th Dec 2016 to enable consumers

and merchants to under take real time digital transaction through Digidhan Bazaar.

169. Ans. A.

Assam's **Majuli** becomes **first island district** of India - Assam's Chief Minister Sarbananda Sonowal inaugurated Majuli as the 35th district of Assam. With this, Majuli became India's first island district.

**Note:** Guinness World Records declare Majuli as the largest river island

170. Ans. A.

\* On 24<sup>th</sup> January 2019, the Indian Space Research Organisation (ISRO) successfully launched Microsat-R an imaging satellite meant for military purposes.

\* PSLV-C44 has successfully placed Microsat-R into its intended orbit.

\* Microsat-R is a small Indian earth observation satellite built for the Indian military Defence Research and Development Organization (DRDO).

\* The satellite has a launch mass of 740 kg and will be orbit the earth at a height of 274 km, much lower than the Cartosat satellites to increase resolution.

\* Reportedly it was built by a handful of DRDO laboratories, not by ISRO.

171. Ans. C.

The Insolvency and Bankruptcy Board of India (IBBI) is the regulator for overseeing insolvency proceedings and entities like Insolvency Professional Agencies (IPA), Insolvency Professionals (IP) and Information Utilities (IU) in India. It covers Individuals, Companies, Limited Liability Partnerships and Partnership firms. It handles the cases using two tribunals like NCLT (National company law tribunal) and Debt recovery tribunal. M. S. Sahoo is the current chairman of Insolvency and Bankruptcy Board of India (IBBI).

172. Ans. D.

Prime Minister Narendra Modi has recently laid the foundation stone of the first-ever "Indian Institute of Skills" at Kanpur, Uttar Pradesh.

173. Ans. B.

**Amnesty International** is a non-governmental organization focused

**members** and supporters around the world. **Headquarter** of Amnesty International is at **London**, United Kingdom.

174. Ans. D.  
Liquidity adjustment facility- Liquidity adjustment facility (LAF) is a monetary policy tool which allows banks to borrow money through repurchase agreements. LAF is used to aid banks in adjusting the day to day mismatches illiquidity. LAF consists of repo and reverse repo operations.

175. Ans. D.

The Koyna Dam is one of the largest dams in Maharashtra, India. It is a rubble-concrete dam constructed on Koyna River which rises in Mahabaleshwar, a hillstation in Sahyadri ranges.

176. Ans. E.

\* In Assam, the third Dwijing Festival has begun on the bank of **Aye river** at Chirang district.

\* Around 15 lakh tourists are expected to participate in the festival.

\* Assam PHE minister Rihon Daimary inaugurated the festival in presence of several dignitaries.

\* Participants from Thailand, Bhutan and Bangladesh are also taken part in the festival.

177. Ans. C.

The foreign investment is known as Foreign Direct Investment (FDI) in India.

178. Ans. C.

Provision of FDI in Payments Bank is same as in Private Banks. At present 74% FDI is allowed in banks in Private sector.

179. Ans. C.

International Women's Day (March 8) is a global day celebrating the social, economic, cultural and political achievements of women. The day also marks a call to action for accelerating gender parity. Hence option C is the right answer.

180. Ans. C.

The Department of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homoeopathy, abbreviated as AYUSH. The programme will organize Swasthya Parikshan Camps, Swasthya Rakshan OPDs and Health

awareness about cleanliness of domestic surroundings and environment.

181. Ans. D.

Incorporated as a Public Sector Bank under the Department of Posts with 100% GOI equity, IPPB has launched on January 30th, 2017 in Ranchi and Raipur with the objective of being present in all corners of India by the end of the year.

182. Ans. B.

Government has allowed NABARD to disburse Rs 21,000 crore to cash-starved farmers, helping them sow winter crops like wheat ahead of the sowing season.

183. Ans. B.

The **State Bank of India** (SBI) launched a mobile wallet app "**SBI Buddy**" in collaboration with **Accenture** and **MasterCard**. The 'SBI Buddy' application will be available for all customers irrespective of the bank the customer is banking with or card customer is using.

184. Ans. C.

Online Consumer Mediation Centre (OCMC) The Union Minister of Consumer Affairs, Ram Vilas Paswan has recently launched an 'Online Consumer Mediation Centre (OCMC)' in association with the Bengaluru's National Law School of India University (NLSIU) to provide speedy redressal of consumer grievances in New Delhi.

185. Ans. B.

South Africa does not have one specific national capital. **Cape Town** is the legislative capital, **Pretoria** is the administrative capital, and **Bloemfontein** is the judicial capital of South Africa.

186. Ans. C.

The government is working on a **scheme** to provide electric cars on **zero down payment** for which people can pay out of their savings on expensive fossil fuels, for becoming **100 per cent** electric vehicle nation by **2030**.

187. Ans. E.

The headquarter of Fincare Small Finance Bank is in Bengaluru, Karnataka. Fincare Small Finance Bank (previously

banking operations with about 25 operational branches across Gujarat, Tamil Nadu, Karnataka and Andhra Pradesh.

The bank was given final small finance bank (SFB) licence from the Reserve Bank of India (RBI) in May 2017.

188. Ans. B.

TanSat

China successfully launched TanSat, a global carbon dioxide (CO<sub>2</sub>) monitoring satellite to understand the effects of climate change. It was launched on board of Long March-2D rocket from Jiuquan Satellite Launch Centre in northwest China's Gobi Desert. It was the 243rd mission of the Long March series rockets. With this, China became third country after Japan and United States to have its own satellite to monitor greenhouse gases (GHGs).

189. Ans. B.

Uttar Pradesh Government has been renamed newly-built **Ekana International Cricket Stadium in capital city Lucknow after former Prime Minister Atal Bihari Vajpayee**.

- The stadium will now be known as 'Bharat Ratna Atal Bihari Vajpayee International Cricket Stadium'.

- It was announced on 5<sup>th</sup> November, 2018.

- The Yogi Adityanath Government also renamed Allahabad as Prayagraj and Mughalsarai as Pt. Deen Dayal Upadhyaya.

190. Ans. E.

According to RBI guidelines, a non-banking entity seeking authorization as Bharat Bill Payment Operating Unit (BBPOU) under the proposed Bharat Bill Payment System (BBPS) should have a minimum net worth of at least 100 crores.

191. Ans. A.

The National Stock Exchange of India (NSE) launched its new mobile app and web-based platform '**NSE goBID**' for **retail investors to buy government securities** on November 19, 2018. The platform allows retail investors to invest in **91 days, 182 days and 364 days in treasury bills (T-bills)** and invest in various government bonds of one year to 40 years.



192. Ans. C.

The Maharashtra government has offered a government job to steeplechase **athlete Lalita Babar**, who became the first Indian after P T Usha to reach the final of any track event at the Olympics in 32 years.

**In the 2016 Rio Olympics, Babar** who hails from Satara district of Maharashtra, finished 10th in the final of 3000m woman steeplechase with a time of 9:22.74.

193. Ans. A.

SBI Life Insurance is a **joint venture** life insurance company between **State Bank of India (SBI)** and BNP Paribas Cardiff. **BNP Paribas** is a French multinational bank and financial services company with global headquarters in Paris.

194. Ans. A.

Finance Minister Arun Jaitley had proposed the Micro Units Development Refinance Agency (MUDRA) with a corpus of **Rs 20,000 crore**, and credit guarantee corpus of **Rs 3,000 crore**.

195. Ans. B.

No tax would be deducted at source for PF withdrawals of up to Rs 50,000 from June 1. The Finance Act, 2016 has amended section 192A of Income Tax Act, 1961 to raise the threshold limit of PF withdrawal from **Rs 30,000 to Rs 50,000** for Tax Deducted at Source (TDS)," the notification stated.

196. Ans. B.

It's the conditional contract which mentions out procedure to avail compensation under

an insurance policy. Such a contract underlines events (which at the date of signing of agreement are uncertain) that make it on insurer to give the due amount to the insured.

197. Ans. A.

Its Rs 500cr, which is required as the minimum paid up capital required for life Insurance business in India to set up pursue foreign ventures. Along with that the registered Indian insurance company should have been in operations for at least 3 years, and should not use utilise the fund of domestic policyholder.

198. Ans. B.

Reinsurance is insurance that is purchased by an insurance company from one or more insurance companies (the "reinsurer") directly or through a broker as a means of risk management.

199. Ans. C.

\* An actuary is a person whose job is to measure the risk involved in the insurance product.

\* He assesses the risk involved and works on its management.

\* In case of insurance, they are helpful for both the insurer and the company.

200. Ans. C.

The Ramon Magsaysay Award 2018 winner were Sonam Wangchuk and Bharat Vatwani.

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