ANSWERS

1. Ans. D.
the code for 'of' is 'go'.
In 1st and 2nd statements, the common word is 'need' and the common code is 'me'. So, 'me' stands for 'need'.
And, in 2nd and 3rd statements, the common word is 'hour' and the common code is 'ne'.
The codes for all the words are given in the following table:

WORD	CODE
need	Me
hour	Ne
honest/people	ga/pa
of	Go
Must/have	Se/ge

2. Ans. E.
the code for 'ge' can be either 'must' or 'have'.
In 1st and 2nd statements, the common word is 'need' and the common code is 'me'. So, 'me' stands for 'need'.
And, in 2nd and 3rd statements, the common word is 'hour' and the common code is 'ne'.
The codes for all the words are given in the following table:

WORD	CODE
need	Me
hour	Ne
honest/people	ga/pa
of	Go
Must/have	Se/ge

3. Ans. A.
as the code for:
• pa Ã honest/people
• ne Ã hour
Clearly, from the available options "ne so pa" stands for "good hour people". (As new word is needed for "good").
In 1st and 2nd statements, the common word is 'need' and the common code is 'me'. So, 'me' stands for 'need'.
And, in 2nd and 3rd statements, the common word is 'hour' and the common code is 'ne'.

The codes for all the words are given in the following table:

WORD	CODE
need	Me
hour	Ne
honest/people	ga/pa
of	Go
Must/have	Se/ge

4. Ans. B.
there are 2 empty boxes in the arrangement.
i) Box which is of Silver colour is placed at top.
ii) Only white box is placed between Top most box and R.
iii) Box T is White colored.
iv) There are 5 boxes between P and Silver colored box.
v) S is placed immediately above Brown colored box.
vi) Red colored box is placed immediately below Brown colored, which is P.
vii) Number of boxes above P is 1 more than number of boxes below P.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.		
2.		
1.		

viii) Yellow colored box is placed at bottom.

ix) Number of boxes between P and Q is equivalent to that of between R and S.
x) There are more than 7 boxes between Q and silver colored box.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xi) Only Mustard and Magenta colored boxes are placed between A and P.
xii) A is Pink colored.
xiii) Boxes between T and A are equivalent to that of boxes between R and U.
xiv) Box U is not placed at top.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xv) Box Q is green colored.
xvi) Box blue is placed somewhere above box Brown.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	Green
2.		
1.		Yellow

xvii) Box W is not Red colored.
(so, only possibility is W is silver colored).
xviii) More than 1 empty boxes are there.
xix) One of the box placed is V.
xx) Box Y is yellow colored.

S.No	Box	Color
12.	W	Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.	V	Red
4.	-	------
3.	Q	Green
2.	-	-------
1.	Y	Yellow

5. Ans. E.
either Mustard or Magenta box are placed between S and A.
i) Box which is of Silver colour is placed at top.
ii) Only white box is placed between Top most box and R.
iii) Box T is White colored.
iv) There are 5 boxes between P and Silver colored box.

v) S is placed immediately above Brown colored box.
vi) Red colored box is placed immediately below Brown colored, which is P.
vii) Number of boxes above P is 1 more than number of boxes below P.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.		
2.		
1.		

viii) Yellow colored box is placed at bottom.
ix) Number of boxes between P and Q is equivalent to that of between R and S.
x) There are more than 7 boxes between Q and silver colored box.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xi) Only Mustard and Magenta colored boxes are placed between A and P.
xii) A is Pink colored.

xiii) Boxes between T and A are equivalent to that of boxes between R and U.
xiv) Box U is not placed at top.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xv) Box Q is green colored.
xvi) Box blue is placed somewhere above box Brown.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	Green
2.		
1.		Yellow

xvii) Box W is not Red colored.
(so, only possibility is W is silver colored).
xviii) More than 1 empty boxes are there.
xix) One of the box placed is V.
xx) Box Y is yellow colored.

S.No	Box	Color
12.	W	Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.	V	Red
4.	-	------
3.	Q	Green
2.	-	-------
1.	Y	Yellow

6. Ans. E.
box W is placed at top, so no other box can be placed above it.
i) Box which is of Silver colour is placed at top.
ii) Only white box is placed between Top most box and R.
iii) Box T is White colored.
iv) There are 5 boxes between P and Silver colored box.
v) S is placed immediately above Brown colored box.
vi) Red colored box is placed immediately below Brown colored, which is P.
vii) Number of boxes above P is 1 more than number of boxes below P.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.		
2.		
1.		

viii) Yellow colored box is placed at bottom.
ix) Number of boxes between P and Q is equivalent to that of between R and S.
x) There are more than 7 boxes between Q and silver colored box.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xi) Only Mustard and Magenta colored boxes are placed between A and P.
xii) A is Pink colored.
xiii) Boxes between T and A are equivalent to that of boxes between R and U.
xiv) Box U is not placed at top.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xv) Box Q is green colored.
xvi) Box blue is placed somewhere above box Brown.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	Green
2.		
1.		Yellow

xvii) Box W is not Red colored.
(so, only possibility is W is silver colored).
xviii) More than 1 empty boxes are there.
xix) One of the box placed is V.
xx) Box Y is yellow colored.

S.No	Box	Color
12.	W	Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.	V	Red
4.	-	------
3.	Q	Green
2.	-	-------
1.	Y	Yellow

7. Ans. B.
Box V is red colored.
i) Box which is of Silver colour is placed at top.
ii) Only white box is placed between Top most box and R.
iii) Box T is White colored.
iv) There are 5 boxes between P and Silver colored box.

v) S is placed immediately above Brown colored box.
vi) Red colored box is placed immediately below Brown colored, which is P.
vii) Number of boxes above P is 1 more than number of boxes below P.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.		
2.		
1.		

viii) Yellow colored box is placed at bottom.
ix) Number of boxes between P and Q is equivalent to that of between R and S.
x) There are more than 7 boxes between Q and silver colored box.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xi) Only Mustard and Magenta colored boxes are placed between A and P.

xii) A is Pink colored.
xiii) Boxes between T and A are equivalent to that of boxes between R and U.
xiv) Box U is not placed at top.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xv) Box Q is green colored.
xvi) Box blue is placed somewhere above box Brown.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	Green
2.		
1.		Yellow

xvii) Box W is not Red colored.
(so, only possibility is W is silver colored).
xviii) More than 1 empty boxes are there.
xix) One of the box placed is V.
xx) Box Y is yellow colored.

S.No	Box	Color
12.	W	Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.	V	Red
4.	-	------
3.	Q	Green
2.	-	-------
1.	Y	Yellow

8. Ans. C.
box R is blue colored.
i) Box which is of Silver colour is placed at top.
ii) Only white box is placed between Top most box and R.
iii) Box T is White colored.
iv) There are 5 boxes between P and Silver colored box.
v) S is placed immediately above Brown colored box.
vi) Red colored box is placed immediately below Brown colored, which is P.
vii) Number of boxes above P is 1 more than number of boxes below P.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.		
2.		
1.		

viii) Yellow colored box is placed at bottom.
ix) Number of boxes between P and Q is equivalent to that of between R and S.
x) There are more than 7 boxes between Q and silver colored box.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.		
8.		
7.	S	
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xi) Only Mustard and Magenta colored boxes are placed between A and P.
xii) A is Pink colored.
xiii) Boxes between T and A are equivalent to that of boxes between R and U.
xiv) Box U is not placed at top.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	
2.		
1.		Yellow

xv) Box Q is green colored.
xvi) Box blue is placed somewhere above box Brown.

S.No	Box	Color
12.		Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.		Red
4.		
3.	Q	Green
2.		
1.		Yellow

xvii) Box W is not Red colored.
(so, only possibility is W is silver colored).
xviii) More than 1 empty boxes are there.
xix) One of the box placed is V.
xx) Box Y is yellow colored.

S.No	Box	Color
12.	W	Silver
11.	T	White
10.	R	Blue
9.	A	Pink
8.	U	Mustard/Magenta
7.	S	Mustard/Magenta
6.	P	Brown
5.	V	Red
4.	-	------
3.	Q	Green
2.	-	-------
1.	Y	Yellow

9. Ans. E.
K is either granddaughter or grandson of A
Symbols used are as follows:

Symbol	Relationship
←——→	Represents Couple
↓	Represents Mother/Father to Son/ Daughter
——	Represents Siblings
(+)	Represents Male
(-)	Represents Female

C(+/-) ←——→ A(+/-)

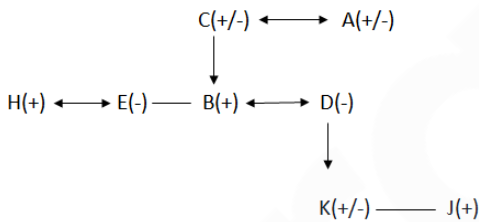H(+) ←——→ E(-) —— B(+) ←——→ D(-)

K(+/-) —— J(+)
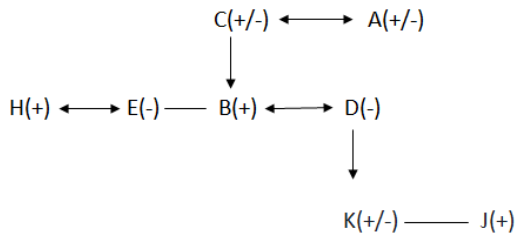
10. Ans. E.
K's gender is not known, so we cannot predict the exact number of females in the family.
Symbols used are as follows:

Symbol	Relationship
←——→	Represents Couple
↓	Represents Mother/Father to Son/ Daughter
——	Represents Siblings
(+)	Represents Male
(-)	Represents Female

C(+/-) ←——→ A(+/-)

H(+) ←——→ E(-) —— B(+) ←——→ D(-)

K(+/-) —— J(+)

11. Ans. D.
H is son-in-law of A
Symbols used are as follows:

Symbol	Relationship
←——→	Represents Couple
↓	Represents Mother/Father to Son/ Daughter
——	Represents Siblings
(+)	Represents Male
(-)	Represents Female

C(+/-) ←——→ A(+/-)

H(+) ←——→ E(-) —— B(+) ←——→ D(-)

K(+/-) —— J(+)
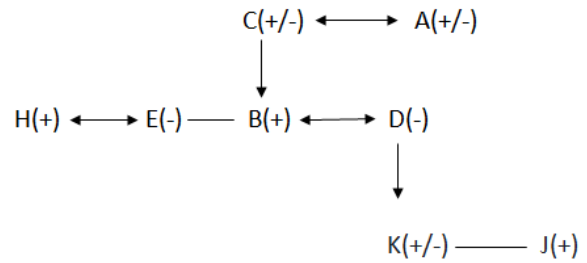
12. Ans. D.
Statement I - Meeta is facing South. Now, if she turns 90 ° towards her left, she will face East, which happens to be direction in which Shilpa is facing.
So, Shilpa is facing East direction.
Hence, Statement I is alone sufficient to answer the question.
Statement II - Uday is facing North. If he turns 90 ° towards his left, he faces West. It is given that Shilpa is facing in the direction opposite to west, that is East.
So, Shilpa is facing East direction.
Hence, Statement II is alone sufficient to answer the question.
Hence, data either in statement I alone or in statement II alone are sufficient to answer the question.
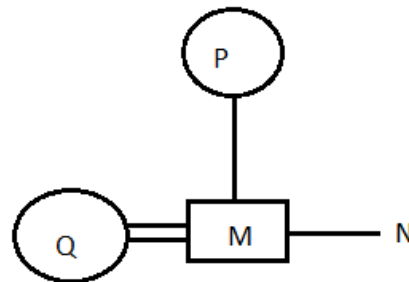
13. Ans. A.
From statement I:
P is mother of M and N.
Q is sister-in-law of N.
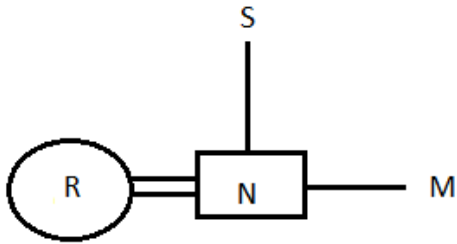Therefore, Q is wife of M.

P

Q —— M —— N

Thus M is brother of N.
From Statement II:
M and N are children of S.
R is the sister-in-law of M and daughter-in-law of S.
Therefore, R is the wife of N.

The sex of M is not clear.
Hence, M is either brother or sister of N.
Hence 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.
14. Ans. B.
As the colour of clear sky is blue.
From statement 1: 'Indigo' means 'Grey', 'Grey' means 'Black', Black' means 'Blue'
Here code for blue is not mentioned.
Hence, statement 1 alone is not sufficient.
From statement 2: 'Black' means 'Blue', 'Blue' means 'Orange', ' Orange' means 'Green'
Clearly it is given that 'blue means orange'.
Hence, colour of clear sky is orange.
Thus statement 2 alone is sufficient.
15. Ans. D.
i) D has more houses than C but less than G.
Therefore, G > D > C
ii) Only 2 persons has more houses than E.
Therefore, _ > _ > E > _ > _ > _ > _
iii) The person having second highest number of houses has 17 houses.
Therefore, _ > _ (17) > E > _ > _ > _ > _
iv) Number of houses that G has is multiple of both 3 and 5. And, it is given that no one has more than 22 houses.
So, only possibility is G having 15 houses.
v) C has exactly 9 houses but he does not have least number of houses.
Therefore, _ > _ (17) > E > G(15) > D > C(9) > _
vi) B donot have 17 houses but has more houses than A.
Therefore, we can conclude:
B > A/F(17) > E > G(15) > D > C(9) > A/F
vii) It is also given that no one has equal number of houses.

So, E must have 16 houses.
B > A/F(17) > E(16) > G(15) > D > C(9) > A/F
Option d) is the correct answer as E has 16 houses.
16. Ans. E.
i) D has more houses than C but less than G.
Therefore, G > D > C
ii) Only 2 persons has more houses than E.
Therefore, _ > _ > E > _ > _ > _ > _
iii) The person having second highest number of houses has 17 houses.
Therefore, _ > _ (17) > E > _ > _ > _ > _
iv) Number of houses that G has is multiple of both 3 and 5. And, it is given that no one has more than 22 houses.
So, only possibility is G having 15 houses.
v) C has exactly 9 houses but he does not have least number of houses.
Therefore, _ > _ (17) > E > G(15) > D > C(9) > _
vi) B donot have 17 houses but has more houses than A.
Therefore, we can conclude:
B > A/F(17) > E > G(15) > D > C(9) > A/F
vii) It is also given that no one has equal number of houses.
So, E must have 16 houses.
B > A/F(17) > E(16) > G(15) > D > C(9) > A/F
Option e) is the correct answer as either A or F has least number of houses.
17. Ans. D.
i) D has more houses than C but less than G.
Therefore, G > D > C
ii) Only 2 persons has more houses than E.
Therefore, _ > _ > E > _ > _ > _ > _
iii) The person having second highest number of houses has 17 houses.
Therefore, _ > _ (17) > E > _ > _ > _ > _
iv) Number of houses that G has is multiple of both 3 and 5. And, it is given that no one has more than 22 houses.
So, only possibility is G having 15 houses.
v) C has exactly 9 houses but he does not have least number of houses.

Therefore, _ > _ (17) > E > G(15) > D > C(9) > _

vi) B donot have 17 houses but has more houses than A.

Therefore, we can conclude:

B > A/F(17) > E > G(15) > D > C(9) > A/F

vii) It is also given that no one has equal number of houses.

So, E must have 16 houses.

B > A/F(17) > E(16) > G(15) > D > C(9) > A/F

1) Option d) is the correct answer as E has 16 houses.

2) Option e) is the correct answer as either A or F has least number of houses.

3) Option d) is the correct answer as D has third lowest number of houses.

18. Ans. D.

Ã D > B, not true (as D < A ≤ B).

⇒ E > B, not true (as E = A ≤ B).

Therefore, both the conclusions does not follow.

19. Ans. E.

Ã 2 ≥ 4, true (as 2 ≥ 3 = 4)

Ã 5 < 2, true (as 2 ≥ 3 = 4 > 5).

Therefore, both the conclusions follow.

20. Ans. C.

12 persons are sitting in the row.

a) X sits third from left end of the row.
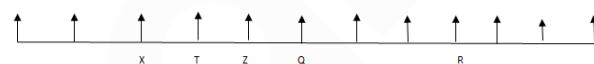
b) T sits adjacent to X.

c) Z sits to the immediate right of Z.

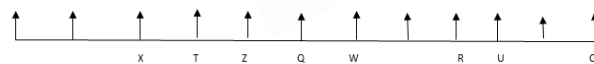d) Only 4 persons sit between T and R.

E. Only 1 person sits between T and Q, who does not sit adjacent to X.

f) The number of persons who sit on the right side of Q is 1 more than sitting to the left side of him.
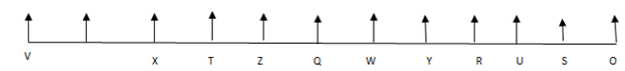

g) Q sits to the left of W.

h) Only 4 persons sit between W and O, who sits to the right of Q. And, it is also given that, Only 2 persons sit between W and U.
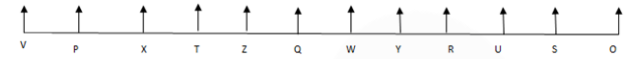

i) There are more than 2 persons between Z and V, who sits to the left of V.

j) S sits to the right of Y. And it is also given that S and Y are not immediate neighbors of X.

After filling the remaining data, we get:

21. Ans. A.

no one sits between Q and W.

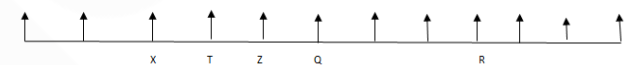a) X sits third from left end of the row.

b) T sits adjacent to X.

c) Z sits to the immediate right of Z.

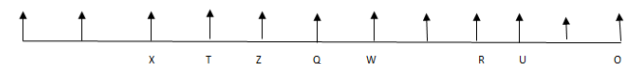d) Only 4 persons sit between T and R.

E. Only 1 person sits between T and Q, who does not sit adjacent to X.

f) The number of persons who sit on the right side of Q is 1 more than sitting to the left side of him.
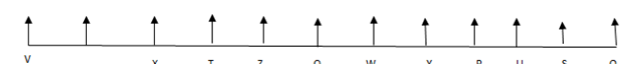

g) Q sits to the left of W.

h) Only 4 persons sit between W and O, who sits to the right of Q. And, it is also given that, Only 2 persons sit between W and U.

i) There are more than 2 persons between Z and V, who sits to the left of V.

j) S sits to the right of Y. And it is also given that S and Y are not immediate neighbors of X.

After filling the remaining data, we get:

22. Ans. A.
as R is sitting third to the left of one who is sitting second to the right of U.
a) X sits third from left end of the row.
b) T sits adjacent to X.
c) Z sits to the immediate right of Z.
d) Only 4 persons sit between T and R.

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↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z               R
```

E. Only 1 person sits between T and Q, who does not sit adjacent to X.
f) The number of persons who sit on the right side of Q is 1 more than sitting to the left side of him.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z   Q           R
```

g) Q sits to the left of W.
h) Only 4 persons sit between W and O, who sits to the right of Q. And, it is also given that, Only 2 persons sit between W and U.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z   Q   W       R   U       O
```
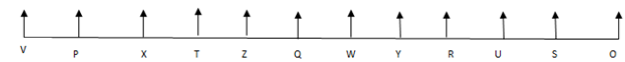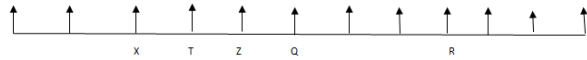
i) There are more than 2 persons between Z and V, who sits to the left of V.
j) S sits to the right of Y. And it is also given that S and Y are not immediate neighbors of X.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
V       X   T   Z   Q   W   Y   R   U   S   O
```

After filling the remaining data, we get:

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
V   P   X   T   Z   Q   W   Y   R   U   S   O
```

23. Ans. C.
R sits second to the left of S.
a) X sits third from left end of the row.
b) T sits adjacent to X.
c) Z sits to the immediate right of Z.
d) Only 4 persons sit between T and R.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z           R
```
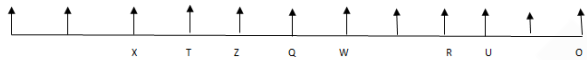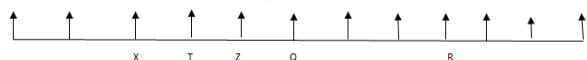
E. Only 1 person sits between T and Q, who does not sit adjacent to X.
f) The number of persons who sit on the right side of Q is 1 more than sitting to the left side of him.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z   Q           R
```

g) Q sits to the left of W.
h) Only 4 persons sit between W and O, who sits to the right of Q. And, it is also given that, Only 2 persons sit between W and U.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z   Q   W       R   U       O
```

i) There are more than 2 persons between Z and V, who sits to the left of V.
j) S sits to the right of Y. And it is also given that S and Y are not immediate neighbors of X.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
V       X   T   Z   Q   W   Y   R   U   S   O
```

After filling the remaining data, we get:

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
V   P   X   T   Z   Q   W   Y   R   U   S   O
```

24. Ans. D.
a) X sits third from left end of the row.
b) T sits adjacent to X.
c) Z sits to the immediate right of Z.
d) Only 4 persons sit between T and R.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z           R
```
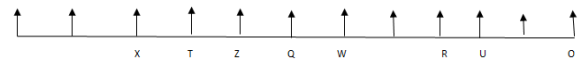
E. Only 1 person sits between T and Q, who does not sit adjacent to X.
f) The number of persons who sit on the right side of Q is 1 more than sitting to the left side of him.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z   Q           R
```

g) Q sits to the left of W.
h) Only 4 persons sit between W and O, who sits to the right of Q. And, it is also given that, Only 2 persons sit between W and U.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
    X   T   Z   Q   W       R   U       O
```
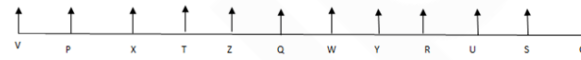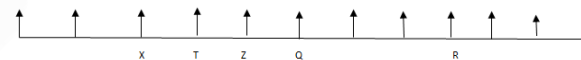
i) There are more than 2 persons between Z and V, who sits to the left of V.
j) S sits to the right of Y. And it is also given that S and Y are not immediate neighbors of X.

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
V       X   T   Z   Q   W   Y   R   U   S   O
```

After filling the remaining data, we get:

```
↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑   ↑
V   P   X   T   Z   Q   W   Y   R   U   S   O
```

25. Ans. E.
As depicted above, C and I have 5 letters between them in the given word as well as in English alphabet. N and T again have 5 letters between them and each of the pairs (S and T) and (N and O) have no letter between them.
So, there are 4 such pairs.

26. Ans. B.
Logic:
Step I: Multiply the digits of number.
Step II: Add 2 in each number.
Step III: Multiply each number by 3.
Step IV: Reverse the digits of each number.
Step V: Subtract 2 from each number.
Input: 52 71 43 39 47 36 17 19
Step I: 10 7 12 27 28 18 7 9
Step II: 12 9 14 29 30 20 9 11
Step III: 36 27 42 87 90 60 27 33
Step IV: 63 72 24 78 9 6 72 33
Step V: 61 70 22 76 7 4 70 31
Hence, "61 70 22 76 7 4 70 31" will be the fifth step of the given input.

27. Ans. D.
Logic:
Step I: Multiply the digits of number.
Step II: Add 2 in each number.
Step III: Multiply each number by 3.
Step IV: Reverse the digits of each number.
Step V: Subtract 2 from each number.
Input: 9 15 7 6 13 22 12
Step I: 9 5 7 6 3 4 2
Step II: 11 7 9 8 5 6 4
Step III: 33 21 27 24 15 18 12
Step IV: 33 12 72 42 51 81 21
Hence, fourth step of the input will be "33 12 72 42 51 81 21".

28. Ans. E.
Logic:
Step I: Multiply the digits of the number.
Step II: Add 2 in each number.
Step III: Multiply each number by 3.
Step IV: Reverse the digits of each number.
Step V: Subtract 2 from each number.
The first step (Step I) of some input is given as - 4 3 12 24 8 21 14 16
Step I: 4 3 12 24 8 21 14 16
Step-II: 6 5 14 26 10 23 16 18 **(Add 2 in each number)**

Step-III: 18 15 42 78 30 69 48 54 **(Multiply each number by 3)**
Step-IV: 81 51 24 87 3 96 84 45 **(Reverse the digits of each number)**
Step-V: 79 49 22 85 1 94 82 43 **(Subtract 2 from each number)**
Hence, "79 49 22 85 1 94 82 43" will be the correct answer.

29. Ans. E.
Tambola is played by either Brown or Violet team.
i) Ludo is played in last slot of last day.
ii) Team Red plays Cricket on Wednesday in third slot.
iii) Javelin Throw is played by team blue immediately before Ludo.

Days/Slot	8:00am	12:00pm	3:00pm
Monday			
Wednesday			Red(Cricket)
Friday			
Sunday		Blue(Javelin throw)	(Ludo)

iv) Number of games played before Cricket is equivalent to number of games played after Badminton.
v) Number of games played between Table Tennis and Long jump is equivalent to the number of games played between Badminton and Javelin Throw. Both Table tennis and Long jump are played before Cricket.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis/Long jump		
Wednesday		Table Tennis/Long jump	Red(Cricket)
Friday	(Badminton)		
Sunday		Blue(Javelin throw)	(Ludo)

vi) Number of teams playing before Long jump is equivalent to number of teams playing after Team yellow. And it is also given that Ludo is not played by team yellow.
(so, Long jump can not organized in first slot of first day).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis		
Wednesday		Long jump	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

vii) Only 3 teams play between team yellow and green.
(so, we get 2 possible cases here as position of green is not confirmed).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table Tennis)		
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table tennis)		
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

viii) Team black plays Table tennis.
ix) Team Purple plays Basketball at 12:00pm.
(so, only possibility is team purple playing on Monday).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

x) Only 2 teams play between Green and white teams.

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	White(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

xi) Team Mustard plays Badminton.
(So, case 2 gets eliminated as it does not satisfy the condition).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xii) Long jump and Tambola are played on the same day.
(so, Tambola must be played on Wednesday).

xiii) Archery is played immediately before Tambola.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xiv) Team pink plays kho-kho.
(only possible place is Kho-kho is played on Sunday).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

xv) Archery is played by neither Brown nor Violet team.
(so, only possibility is archery is played by orange team).
xvi) Kabaddi is played before volleyball.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

After filling the remaining data, we get:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	Brown/Violet(Tambola)	Brown/violet(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

30. Ans. A.
no team plays between the teams which play Volleyball and Kho-kho.
i) Ludo is played in last slot of last day.
ii) Team Red plays Cricket on Wednesday in third slot.
iii) Javelin Throw is played by team blue immediately before Ludo.

Days/Slot	8:00am	12:00pm	3:00pm
Monday			
Wednesday			Red(Cricket)
Friday			
Sunday		Blue(Javelin throw)	(Ludo)

iv) Number of games played before Cricket is equivalent to number of games played after Badminton.
v) Number of games played between Table Tennis and Long jump is equivalent to the number of games played between Badminton and Javelin Throw. Both Table tennis and Long jump are played before Cricket.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis/Long jump		
Wednesday		Table Tennis/Long jump	Red(Cricket)
Friday	(Badminton)		
Sunday		Blue(Javelin throw)	(Ludo)

vi) Number of teams playing before Long jump is equivalent to number of teams playing after Team yellow. And it is also given that Ludo is not played by team yellow.
(so, Long jump can not organized in first slot of first day).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis		
Wednesday		Long jump	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

vii) Only 3 teams play between team yellow and green.
(so, we get 2 possible cases here as position of green is not confirmed).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table Tennis)		
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table tennis)		
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

viii) Team black plays Table tennis.
ix) Team Purple plays Basketball at 12:00pm.
(so, only possibility is team purple playing on Monday).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

x) Only 2 teams play between Green and white teams.
Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	White(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

xi) Team Mustard plays Badminton.
(So, case 2 gets eliminated as it does not satisfy the condition).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xii) Long jump and Tambola are played on the same day.
(so, Tambola must be played on Wednesday).
xiii) Archery is played immediately before Tambola.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xiv) Team pink plays kho-kho.
(only possible place is Kho-kho is played on Sunday).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

xv) Archery is played by neither Brown nor Violet team.
(so, only possibility is archery is played by orange team).
xvi) Kabaddi is played before volleyball.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

After filling the remaining data, we get:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	Brown/Violet(Tambola)	Brown/violet(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

31. Ans. B.
Volleyball is played in different slot other than those (given in other options). All others are played in second slot.
i) Ludo is played in last slot of last day.
ii) Team Red plays Cricket on Wednesday in third slot.

iii) Javelin Throw is played by team blue immediately before Ludo.

Days/Slot	8:00am	12:00pm	3:00pm
Monday			
Wednesday			Red(Cricket)
Friday			
Sunday		Blue(Javelin throw)	(Ludo)

iv) Number of games played before Cricket is equivalent to number of games played after Badminton.

v) Number of games played between Table Tennis and Long jump is equivalent to the number of games played between Badminton and Javelin Throw. Both Table tennis and Long jump are played before Cricket.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis/Long jump		
Wednesday		Table Tennis/Long jump	Red(Cricket)
Friday	(Badminton)		
Sunday		Blue(Javelin throw)	(Ludo)

vi) Number of teams playing before Long jump is equivalent to number of teams playing after Team yellow. And it is also given that Ludo is not played by team yellow.

(so, Long jump can not organized in first slot of first day).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis		
Wednesday		Long jump	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

vii) Only 3 teams play between team yellow and green.

(so, we get 2 possible cases here as position of green is not confirmed).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table Tennis)		
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table tennis)		
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

viii) Team black plays Table tennis.

ix) Team Purple plays Basketball at 12:00pm.

(so, only possibility is team purple playing on Monday).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

x) Only 2 teams play between Green and white teams.

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	White(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

xi) Team Mustard plays Badminton.

(So, case 2 gets eliminated as it does not satisfy the condition).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xii) Long jump and Tambola are played on the same day.

(so, Tambola must be played on Wednesday).

xiii) Archery is played immediately before Tambola.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xiv) Team pink plays kho-kho.

(only possible place is Kho-kho is played on Sunday).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

xv) Archery is played by neither Brown nor Violet team.

(so, only possibility is archery is played by orange team).

xvi) Kabaddi is played before volleyball.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday		(Tambola)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

After filling the remaining data, we get:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	Brown/Violet(Tambola)	Brown/violet(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

32. Ans. A.
i) Ludo is played in last slot of last day.
ii) Team Red plays Cricket on Wednesday in third slot.
iii) Javelin Throw is played by team blue immediately before Ludo.

Days/Slot	8:00am	12:00pm	3:00pm
Monday			
Wednesday			Red(Cricket)
Friday			
Sunday		Blue(Javelin throw)	(Ludo)

iv) Number of games played before Cricket is equivalent to number of games played after Badminton.
v) Number of games played between Table Tennis and Long jump is equivalent to the number of games played between Badminton and Javelin Throw. Both Table tennis and Long jump are played before Cricket.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis/Long jump		
Wednesday		Table Tennis/Long jump	Red(Cricket)
Friday	(Badminton)		
Sunday		Blue(Javelin throw)	(Ludo)

vi) Number of teams playing before Long jump is equivalent to number of teams playing after Team yellow. And it is also given that Ludo is not played by team yellow.
(so, Long jump can not organized in first slot of first day).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis		
Wednesday		Long jump	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

vii) Only 3 teams play between team yellow and green.
(so, we get 2 possible cases here as position of green is not confirmed).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table Tennis)		
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table tennis)		
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

viii) Team black plays Table tennis.
ix) Team Purple plays Basketball at 12:00pm.
(so, only possibility is team purple playing on Monday).

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

x) Only 2 teams play between Green and white teams.

Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	White(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

xi) Team Mustard plays Badminton.
(So, case 2 gets eliminated as it does not satisfy the condition).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xii) Long jump and Tambola are played on the same day.
(so, Tambola must be played on Wednesday).

xiii) Archery is played immediately before Tambola.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xiv) Team pink plays kho-kho.
(only possible place is Kho-kho is played on Sunday).

| Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

xv) Archery is played by neither Brown nor Violet team.
(so, only possibility is archery is played by orange team).
xvi) Kabaddi is played before volleyball.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

After filling the remaining data, we get:

| Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	Brown/Violet(Tambola)	Brown/violet(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

33. Ans. E.
Team pink plays on Sunday at 8:00am.
i) Ludo is played in last slot of last day.
ii) Team Red plays Cricket on Wednesday in third slot.
iii) Javelin Throw is played by team blue immediately before Ludo.

Days/Slot	8:00am	12:00pm	3:00pm
Monday			
Wednesday			Red(Cricket)
Friday			
Sunday		Blue(Javelin throw)	(Ludo)

iv) Number of games played before Cricket is equivalent to number of games played after Badminton.
v) Number of games played between Table Tennis and Long jump is equivalent to the number of games played between Badminton and Javelin Throw. Both Table tennis and Long jump are played before Cricket.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis/Long jump		
Wednesday		Table Tennis/Long jump	Red(Cricket)
Friday	(Badminton)		
Sunday		Blue(Javelin throw)	(Ludo)

vi) Number of teams playing before Long jump is equivalent to number of teams playing after Team yellow. And it is also given that Ludo is not played by team yellow.
(so, Long jump can not organized in first slot of first day).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Table Tennis		
Wednesday		Long jump	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

vii) Only 3 teams play between team yellow and green.
(so, we get 2 possible cases here as position of green is not confirmed).
Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table Tennis)		
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	(Table tennis)		
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

viii) Team black plays Table tennis.
ix) Team Purple plays Basketball at 12:00pm.
(so, only possibility is team purple playing on Monday).
Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

x) Only 2 teams play between Green and white teams.
Case 1:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

Case 2:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table tennis)	Purple(Basketball)	
Wednesday	Green	(Long jump)	Red(Cricket)
Friday	White(Badminton)	Yellow	
Sunday		Blue(Javelin throw)	(Ludo)

xi) Team Mustard plays Badminton.
(So, case 2 gets eliminated as it does not satisfy the condition).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	
Wednesday		(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xii) Long jump and Tambola are played on the same day.
(so, Tambola must be played on Wednesday).
xiii) Archery is played immediately before Tambola.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday		Blue(Javelin throw)	Green(Ludo)

xiv) Team pink plays kho-kho.
(only possible place is Kho-kho is played on Sunday).

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow	White
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

xv) Archery is played by neither Brown nor Violet team.
(so, only possibility is archery is played by orange team).
xvi) Kabaddi is played before volleyball.

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	(Tambola)	(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

After filling the remaining data, we get:

Days/Slot	8:00am	12:00pm	3:00pm
Monday	Black(Table Tennis)	Purple(Basketball)	Orange(Archery)
Wednesday	Brown/Violet(Tambola)	Brown/violet(Long jump)	Red(Cricket)
Friday	Mustard(Badminton)	Yellow(kabaddi)	White(Volleyball)
Sunday	Pink(kho-kho)	Blue(Javelin throw)	Green(Ludo)

34. Ans. C.
If she walks for 5m towards west from her final position (i.e. K), she will reach point W.
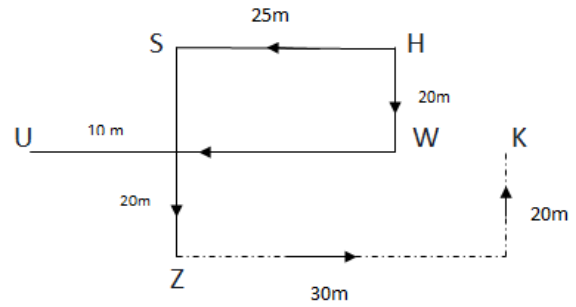
35. Ans. E.
W is to the west of K
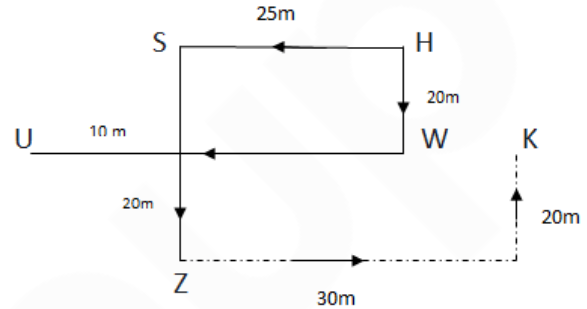
36. Ans. A.
The pattern of given series is:

$$5 \times 1^2 + 1 = 6$$

$$6 \times 2^2 + 2 = 26$$

$$26 \times 1^2 + 3 = 29$$

$$29 \times 2^2 + 4 = 120$$

$$120 \times 1^2 + 5 = ? = 125$$

37. Ans. B.
The pattern of given series is:
→(0.8 × 2) + 1.4=3,
→(3 × 2) + 1.4=7.4,
→(7.4 × 2) + 1.4=16.2,
→(16.2 × 2) +1.4=33.8,
→(33.8 × 2) + 1.4=?=69,
Thus, the missing number is 69
38. Ans. E.
The series is,
$655 - (6^3 - 1) = 440$
$440 - (5^3 - 1) = 316$
$316 - (4^3 - 1) = 253$

253 - (3³ -1)= 227
227 - (2³ -1)= 220 =?
39. Ans. C.
The pattern of the number is
600 – 563 = 37 = 6² +1
563 – 537 = 26 = 5² +1
537 – 520 = 17 = 4² +1
520 – 510 = 10 = 3² +1
510 - ? = 5 = 2² +1
? = 505
Hence option C is correct
40. Ans. C.
The pattern of given series is:
→ 14 + (1³ -1) = 14,
→ 14 - (2³ -2) = 8,
→ 8 + (3³ -3) = 32,
→ 32 - (4³ -4)= -28,
→-28 + (5³ -5) =?=92,
Thus, the missing number is 92
41. Ans. B.
8538 - 2416 - 222-3430 + 4×6³ = ?-
70×49+72×12
5900 -3430 + 864 = ? -3430 + 864
5900 = ?
42. Ans. D.

$$\Rightarrow \frac{111111}{1111 \times 11} \times 10 \times 101$$

$$\Rightarrow \approx 9 \times 1010$$

$$\Rightarrow \approx 9090$$

43. Ans. D.
? ≈ 5238 - 6629 + 7154 - 2205 + 3452 -
863 × 4
? ≈ 5238 - 6629 + 7154 - 2205 + 3452 -
3452
? ≈ (5238 + 7154) - (6629 + 2205)
? ≈ 12392 - 8834 = 3558
44. Ans. B.
? ≈ 58 x (46/33) x 10
? ≈ 808
45. Ans. B.
? = 4985.0346 ÷ 215.987 - 3768.112 ÷
206.868 + 387.021÷42.879-8.99
? ≈ 4985 ÷216 - 3768 ÷ 207 + 387 ÷ 43 -9
? ≈ 23 - 18 + 9 - 9 = 5

46. Ans. B.
Quantity I: Ratio of the efficiency of a man
to that of a woman = $\frac{3}{5} : \frac{1}{3}$ = 9 : 5

Let the efficiency of one man = m and
efficiency of one women be w.
5m/3w = 3/1
m/w = 9/5 (Effeciency of one man to one
women)
Using the formaula => No. of persons x No.
of days x effecieny we get:
∴ 36 * x * 9 = 48(x + 7) * 5
Or, 324x – 240x = 48 * 5 * 7
Or, 84x = 48 * 5 * 7
∴ **x = 20 days**
Quantity II: LCM of 16 and 18 = 144
Suppose 12 women do total 144 units in 16
days.
Then 12 women can do in 1 day=144/16= 9
units
And (12 – 4 =) 8 women do in 1 day
= $\frac{9}{12} \times 8$= 6 units
Work done in last 18 days = 18 × 6 = 108
units
Earlier work = 144 – 108 = 36 units, was
done by 12 women in 36/9 = 4 days
∴ Total time = 18 + 4 = **22 days**
Quantity I < Quantity II
47. Ans. A.
Quantity I:
n(S) = $^{15}C_2$ = 105
n(E) = $^{6}C_2$ = 15
∴ Required probability = $\frac{n(E)}{n(S)} = \frac{15}{105} = \frac{1}{7}$

Quantity II:
n(S) = $^{12}C_2$ = 66
n(E) = $^{4}C_2$ = 6
∴Required probability = $\frac{n(E)}{n(S)} = \frac{6}{66} = \frac{1}{11}$

Hence, Quantity I > Quantity II
48. Ans. A.
Given, AB ∥ CD
∴ ∠ ABC= ∠BCE
Or, x+28°= 65°
Or, x=37°
From ΔABD,
∠DAB+ ∠ABD+∠BDA= 180°

Or, 90°+x+y=180°
Or, 90°+37°+y=180°
Or, y= 53°
Hence, Quantity II < Quantity I
49. Ans. A.
Upstream speed = 15 – 3 = 12 kmph
Downstream speed = 15 + 3 = 18 kmph
Let the distance between A and B = D km
Now, $\frac{D}{12} + \frac{D}{18} = 13.5$

Or, $\frac{5D}{36} = 13.5$

D = $\frac{13.5 \times 36}{5}$ = 36 × 2.7 = 97.2 km

Total distance = 97.2 × 2 = 194.4 km
Quantity I > Quantity II
50. Ans. C.
I. C.P. of 12 Toys = S.P. of 17 Toys =
Rs.720. CP of 1 Toy = 720/12=Rs60.
II. SP =85% of 140 =85/100*140 =Rs119.
51. Ans. C.
Since the trains are travelling in opposite
direction velocity for the driver of the faster
train = 50 m/s Distance travelled = length of
the train = 100 m
Time taken by the ball from one train to the
other
= 100/50 = 2 seconds
Ball in thrown at 2 m/s,
distance between the two trains=2x2 = 4 m.
52. Ans. C.
Original volume = 16*12*5 = 960 inch³
Now this Volume is 14.28%(i.e., 1/7) less
than the the Required volume.
Let Required Capacity be 'x' ⇒ 960
= (1-1/7)x ⇒ x = 1120 inch³
Now, Base area in the Required capacity box
= 1120/5 = 224 inch²
& Base area of given cuboidal box = 16*12 =
192 inch²
So, Increase in area = 224 -192 = 32 inch²
∴ % increase = (32/192) *100 = 16.66%
53. Ans. D.
Let the expenditure on grocery products and
other items be 3x and 7x respectively
So, 3x + 7x = 3570
10x = 3570
x = 357

Thus, expenditure on grocery products = Rs.
3*357 = Rs. 1071
Expenditure on other items = 7 * 357 = Rs.
2499
New expenditure = 112% of Rs. 1071 +
115% of Rs. 2499
= 1.12 * 1071 + 1.15 * 2499
= 1199.52 + 2873.85
= 4073.37 = New salary
Increase in income = New salary – Old
salary
=4073.37 – 3570
= Rs. 503.37
54. Ans. A.
CP of walk man = Rs.640
SP of walk man = Rs.640*1.15 = Rs.736
MP of walk man = 736 +64 = Rs.800
Required % of profit = (800-640)*100/640 =
25%
55. Ans. D.
Let the amount which he has be 'a'
Price of 1 apple = a/30
Price of 1 orange = a/20
Gaurav retains 10% of the money.
Amount remaining = a – 10% of a = 0.9a
He bought 15 apples.
Price of 15 apples = 15 × a/30 = 0.5a
Amount remaining = 0.9a – 0.5a = 0.4a

Number of oranges bought = $\left(\frac{0.4a}{\frac{a}{20}}\right)$ = 8

56. Ans. B.
Suppose the marked price of phone P is
100P
Then its selling price on the sites are 85P,
92P and 88P respectively.
(85P + 92P + 88P)/3 = 10600
=> P = 10600 x 3/265 = 120
Hence MP of P = Rs 12000
CP = 12000/1.25 = Rs 9600
57. Ans. A.
Suppose the marked price of phone Q is
100M and the discount offered by Whale on it
is N%.
Discount on Dolphin = 19M
Discount on Whale = MN
Discount on Shark = 13M
According to the given condition,
(19M + MN)/2 – (13M + MN)/2 = 240

3M = 240

=> 100M = 8000

58. Ans. D.

Suppose the marked price of mobile R is 100R

SP on Dolphin = 76R

SP on Whale = 72R

76R – 72R = 4R = 300

=> 100R = 7500

Discount offered by Shark = 7500 – 6300 = 1200

Discount % = 1200/7500 x 100 = 16%

59. Ans. E.

Suppose the marked price of mobile S is 100S

Price on Whale = 81S

Price on Dolphin = 81S x 10/9 = 90S

Price on Shark = 78S

90S – 78S = 1080

=> 12S = 1080

=> 100S = 9000

=> 81S = 90 x 81 = Rs 7290

60. Ans. C.

Suppose the marked price of mobile T is 100T

Price on whale = 89T

Price on dolphin = 88T

Given, 88T + 150 = 89T

=> MP of phone T = Rs 15000

Price on shark = 15000 x 0.84 = Rs 12600

Total price paid = 12600 + 150 + 250 = Rs 13000

Effective discount = 15000 – 13000 = Rs 2000

61. Ans. B.

Let the number of bananas initially in the three baskets be 4a, 3a and 5a respectively.

Let the number of bananas finally in the three baskets be 4b, 5b and 3b respectively.

Given, no change in number of bananas in 3rd basket is done.

Thus, 5a = 3b

a = 3b/5

Now, number of bananas in 1st basket initially = 4 × 3b/5 = 12b/5

Number of bananas in 2nd basket initially = 3 × 3b/5 = 9b/5

Increase in number of bananas in 1st basket = 4b - 12b/5 = 8b/5

Increase in number of bananas in 2nd basket = 5b - 9b/5 = 16b/5

Ratio in which number of bananas is increased = 8b/5 : 16b/5 = 1 : 2

62. Ans. C.

Let, the total work be 100 units

Number of units completed by B and C working together = 70 units

Number of units completed by A, B and C working together = 100 – 70 = 30 units

Since A, B and C together worked for only 3 days

Number of units completed by A, B and C working together = 30/3=10 units

Time taken to complete the whole work = 13 days

So, number of days B and C work together to complete the remaining work = 13 – 3 = 10 days

So, number of units completed by B and C work together in one day = 70/10=7 units

So, number of units completed by A alone in one day = 10 – 7 = 3 units

Since C is 1/3rd more efficient than that of B

So, number of units completed by C alone in one day = 4 units

So, number of units completed by B and A work together in one day = 6 units

Time taken by A and B to complete the work = 100/6=50/3 days

So option (c) is the correct answer.

63. Ans. B.

Let us consider the total distance from A to D is = x + y + z

Where AB = x

BC = y

CD = z

Since the time taken by Ajay to cover x + y + y at the speed of 25km/h is same as the time taken by Bharat to cover x at the speed of 5 km/h, therefore

(x + y + y)/25 = x/5

y = 2x

similarly, the time taken by Ajay to cover y + y + z at the speed of 25km/h is same as the time taken by Mohan to cover z at speed of 5km/h, therefore

(y + y + z)/25 = z/5
y = 2z
so, we have y = 2x = 2z
x: y: z = 1: 2: 1
it implies that x = 25 km, y = 50 km, z = 25 km
thus, the required time = (x + y + y + y + z)/25 = 200/25 = 8 hours.
Hence, (B) is the correct option.
64. Ans. C.
out of 75 students, 12% did not qualify for final
Remaining = 75-12 % of 75 = 66
Also 9.09% out of 66 were absent
Present = 66 − 66 × 1/11 = 60
Passed = 2/3 × 60 = 40
No. of students who got 1st class = 40 × 50% = 20
65. Ans. A.
X + 2Y + Z = 59 …. (!)
3X + Y + Z = 68 ….. (!!)
X + 3Y + 3Z = 108 … (!!!)
Solving these equations together X = 12 years, Y = 15 years, Z = 17 years
Aliter
Multiplying equation (ii) with 3, we get
 9X + 3Y +3Z = 204
Now subtracting equation (iii) from bove equation
We get,
8X = 96 ⇒ x=12
66. Ans. A.
Let CP of A = 100x
MP of A = 12% of 100x = 120x
SP of A = 85% of 120x = 102x
CP of A = 102x − 750 = 100x
x = 375
Discount amount offered on A = 120x − 102x = 18x = Rs. 6750
Let MP of D = 100y
SP of D = 76% of 100y = 76y
100y − 76y = 2100
y = 87.5
CP of D = 76y + 350 = Rs. 7000
MP of D = 100y = Rs. 8750
Marked up amount = 8750 − 7000 = Rs. 1750
Required percent =

$$\frac{1750}{6750} \times 100 = \frac{700}{27}\%$$

So option (a) is the correct answer.
67. Ans. B.
Let cost price of item A = 100x
Marked price of item A = 100x + 3000
Selling price of item A
$$= 85\% \text{ of } (100x + 3000) = 85x + 2550$$
Cost price of item A
$$= 85x + 2550 - 750 = 100x$$
15x=1800; x = 120
Discount offered on item A
$$= 15\% \text{ of } (100x + 3000) = Rs. 2250$$
Marked price of C
$$= (100x + 3000) \times \frac{23}{120} = Rs. 2875$$
Cost price of C
$$= 80\% \text{ of } 2875 + 200 = Rs. 2500$$
Marked up amount of C = 2875 − 2500 = Rs. 375
Required percent
$$= \frac{375}{2250} \times 100 = 16.67\%$$
So option (b) is the correct answer.
68. Ans. C.
Let CP of C = Rs. 8000
Let MP of C = 100x
SP of C = 80% of 100x = 80x
CP of C = 80x + 200 = 8000
x = 97.5
Marked up amount of C = 100x – 8000
= Rs. 1750
Marked up amount of F = 120% of 1750 = Rs. 2100
Let CP of item F = 100y
MP of F = 100y + 2100
SP of F = 85% of (100y + 2100) = 114.75% of 100y
85y + 1785 = 114.75y
y = 60
CP of F = 100y = Rs. 6000
Required ratio = 8000: 6000 = 4: 3
So option (c) is the correct answer.
69. Ans. D.
Let the marked price of item B = 100x
SP of B = 88% of 100x = 88x

Discount amount = 100x – 88x = 900

x = 75

Cost price of B = 88x – 600 = Rs. 6000

MP of B = 100x = Rs. 7500

SP of B = 88x = Rs. 6600

Marked up percent

$$= \frac{7500-6000}{6000} \times 100 = 25\%$$

After interchange of marked up percent and discount percent

MP of B = 112% of 6000 = Rs. 6720

SP of B = 75% of 6720 = Rs. 5040

Required difference = 6600 – 5040 = Rs. 1560

So option (d) is the correct answer.

70. Ans. E.

Let marked price of item D and E is '100x' and'100y' respectively

SP of item D = 76% of 100x = 76x

CP of item D = 76x + 350

Loss incurred on item D

$$= \frac{140}{47}\% \text{ of } (76x + 350) = 350$$

$$14(76x + 350) = 35 \times 47 \times 100$$

$$2(76x + 350) = 5 \times 47 \times 100$$

152x + 700 = 23500

x = 150

CP of item D = 76x + 350 = Rs. 11750

SP of item E = 90% of 100y = 90y

CP of item E = 90y – 400

Loss incurred on item E

$$= \frac{50}{13}\% \text{ of } (90y - 400) = 400$$

$$(9y - 40) = 4 \times 13 \times 20$$

y = 120

CP of item E = 90y – 400 = Rs. 10400

Required difference = 11750 – 10400 = Rs. 1350

So option (e) is the correct answer.

71. Ans. B.

'A' states that the local officials were to do asked something. E explains what they were asked to do- 'remove anything in the streets that could be used as projectiles'. Rest of the options don't make sense when paired together. The correct answer is option B.

72. Ans. A.

B states what several airport operators have to say. F explains what is being said. Thus, B-F forms a pair. C talks about the government being anxious about something. E explains the issue which is the availability of credit for small and medium-sized business. Rest of the options don't make sense when paired together. The correct answer is option A

73. Ans. E.

'A' introduces the case against Meng, which is further explained by E. 'E'informs the location where the case will be presented. Rest of the options don't make sense when paired with each other. The correct answer is option E.

74. Ans. E.

'A' talks about oil prices falling by 30 per cent and E states the reason for the same: "Increase in the supply and the fall in the global demand growth". None of the other two segments can be joined to convey a logical sense.

75. Ans. B.

'A' talks about the supply of oil remaining high. F explains what the analysts and market participants said. B and D connect logically stating that the match between Boca Juniors and River Plate was moved to another continent due to the violence that took place earlier among the fans of the two football clubs. Hence the correct answer is option B.

76. Ans. C.

The word 'course' means a phase. Since the phrase after the blank indicates the time of 'seven years', 'course' would be an appropriate representation of it. 'Course of seven years' would be meaningfully appropriate. 'Age' does not represent a period, therefore, stand incorrect.

'Timeline' is also an incorrect word to fill the blank as it defines a planned period of specific events. 'Frames' is plural and will not fit n the blank.

"Periodical" refers to two things:

i. a magazine or newspaper published at regular intervals. [Noun]

ii. occurring or appearing at intervals; occasional. [Adjective]
Both of these meanings will not make appropriate sense in the given blank.
77. Ans. A.
The hint to fill the blank lies with the use of 'regained' and 'with the support of ground forces'. At this point, we know that it should be a positive word. From the given options, we may, therefore, remove 'decline' (meaning decrease) and 'delineation' (meaning the act of describing or portraying something).
The words 'energy' and 'bureaucracy' would not give a meaningful completion to the sentence since 'regaining energy' or 'regaining bureaucracy' over something does not require intervention from the ground forces. So, the correct word is "control".
78. Ans. E.
The word that should fit in the blank must refer to President Assad and relate with his governance. This way it would make the meaning complete. From the given options, the only words that fall in this category are 'boundaries' and 'regime'. The word 'boundaries' would not be correct since 'President Assad's boundaries' would literally mean his limitations. Therefore, 'regime', which means a form of government, would make the best fit.
President Assad's 'personality' or 'decision' would not relate to the former part of the sentence.
79. Ans. D.
We need a word in the blank which shows what the desire (control over the entire Syrian territory) of the President aims at (formation of the image of a strong and stable regime). Logically speaking, the establishment of control over the territory will lead to the establishment of the image of a strong and stable regime. Thus "strengthen" is the most appropriate word.
The other words are completely irrelevant.
80. Ans. B.
The sentence mentions that the Syrian oil industry is a shadow of something. 'Replica' cannot be correct as nothing needs to

replicate its replica. 'Latter' is also not correct since latter or something coming after is not known in this case. Therefore, something which has not happened cannot be copied. 'Representative' does not fit grammatically and 'idle' means something inactive and is irrelevant in the context. The word 'former' is the most appropriate word to fill in the blank since the former, or the one previously existing can be copied.
81. Ans. C.
Both sentences are logically related to each other. Therefore, 'although' would be ruled-out as it is used to connect contradictory statements. 'Because' would also get cancelled as we do not start a sentence with the word.
The correct sentence would be: 'Since poetry lovers tend to be nostalgic by nature, you would hear a lot from them talking about the declining quality of the audience'.
82. Ans. A.
The sentence initiates with the narrator stating that they still had the game of cricket followed by an interview of the captain of the Indian team. From the given options, 'before four years' is grammatically incorrect.
'During four years' would not be appropriate to use since it is a very wide timeframe and cannot precisely place the event of interviewing the captain of the Indian team. The word 'four years ago' would connect both the sentences appropriately as: 'Four years ago, when our channel still had the game of cricket, I was interviewing the captain of the Indian team and learned a lot about his strategies'.
83. Ans. B.
The second sentence is the outcome of the first sentence, therefore, using the word 'till' would be inappropriate. Therefore, option A would be cancelled.
Similarly, the word 'despite' would be used in the cases where the end result is contradictory. 'Only if' would meaningfully connect the action and the result perfectly.
The correct sentence would be: 'Only if you bake it with patience and interest, you will get a fluffy and delicious cake.

84. Ans. D.
Both the given sentences are similar in nature and characterize the good services of a salon. Therefore, all three options would combine both the sentences correctly.
The first sentence would be: 'Besides having one of the best hair-stylists in town, its services in the salon are exclusive'.
The second sentence would be: 'In addition to the salon having one of the best hair-stylist in town, its services are exclusive'.
The third would be: 'Along with having one of the best hair-stylist in town, the services of the salon are exclusive'.

85. Ans. C.
The connector 'as if' is used to represent something that seems from known or given information. The phrase 'due to' is used to connect action and reaction'. In the given sentences, we see that the first sentence is a desired action while the second one is the reason for it.
In the given conditions, 'in case' would be the perfect connector. The sentence would become: 'Do not forget to pack some extra bottles of water and packets of food in case of scarcity in the area you are going'.

86. Ans. B.
The hint to finding the correct answer lies in looking at the second blank first. From the second half of the sentence, we may understand that it is about the people doing certain things to sweep away the bad luck and calling for the days of something, for which we need to fill the blank. Since the people are trying to get away from bad luck, the second blank would be a positive word. This helps us in cancelling options A, C and E as 'destruction', 'calamity' (disaster) and 'tribulation' (trouble) are all negative words.
From the remaining options, we may now look at the first set of words. From 'starts' and 'kicks', the former would be a better choice to fill in the blank since 'kicks' cannot be an appropriate word to be used with spring festival.
The sentence would be: 'Before the Spring Festival starts, there is a day of cleaning,

which is to sweep away the bad luck and call for the days of prosperity.'

87. Ans. D.
Looking at the phrase 'commercial radio' followed by 'began in 1920s' helps us understand that there is a need for a word that is related to the radio. From the given options, we may therefore, shortlist 'broadcasting' and 'show'. The other words mean differently and do not convey an appropriate meaning when placed in the first blank.
'Bestow' means presenting or offering something and 'dispense' means distributing. None of these could be used to represent the information transmitted by a radio. At this point, we have options C, D and E shortlisted.
Now, we must look at the second part of the sentence. The second half of the sentence helps us understand that it is about radio being an important 'something' for giving information to the masses. Therefore, the word 'medium' fits as the only option.
The complete sentence would be: 'After the war, commercial radio broadcasting began in the 1920s and became an important mass medium for entertainment and news.'

88. Ans. E.
The hint to the correct answer lies in the second half the sentence, where we read 'the release of a prominent Chinese businesswoman'. This helps us in understanding that the word that must fit in the second blank must be related to her arrest or captivity. Therefore, options A, B and E are shortlisted.
Now, looking at the first part of the sentence, we may understand that the president can only 'discuss' when another participant is mentioned in the sentence, which in this case is not. 'Transmit' means to pass something to someone, which does not give a meaning here since we see no mention of anything being passed on.
The correct sentence would be: 'The president suggested that he might intervene to secure the release of a prominent Chinese

businesswoman arrested in Canada at the request of American authorities.'

89. Ans. C.
To fill in the first blank, we must take the hint from the phrase 'people fearing the imminent' with respect to Urdu and poetry. We may guess that people would not fear any sort of positive act related to the language or an art form. The word must therefore, be a negative word related to the decline. At this point, we may hence, shortlist the words 'demise', 'destruction' and 'expiration'. The words 'renaissance' and 'resurrection' get dismissed due to their meanings related to rebirth.

We now know that something people feared to die still 'continues', as the second half of the sentence highlights. From the remaining words, we may cancel out 'attenuate', which means reduction of effect.

From options C and E, we may decline option E as the word 'expiration' is used for something having a fixed period, while neither Urdu nor poetry has a fixed period.

The correct sentence would be: 'While there will always be people fearing the imminent demise of either Urdu or poetry or both, the flame continues to flicker in this corner of central Delhi's Hazrat Nizamuddin Basti.'

90. Ans. A.
'Fall under' somebody's influence/spell means to be affected by someone in a strong and often negative way.
If an arrangement, plan, or deal 'falls through', it fails to happen.
If a roof or ceiling 'falls in', it collapses and falls to the ground.
If an argument, organization, or person 'falls down' on a particular point, they are weak or unsatisfactory on that point.
If something 'falls off', it separates from the thing to which it was attached and moves towards the ground.
The speaker is providing an alternate job option if the first option doesn't work out.
Thus, with reference to the context of the passage, option A is the correct answer.

91. Ans. E.
To let someone or something in means to allow them to enter.
If bad weather or an unpleasant situation 'lets up', it stops or improves.
'Let up on' someone/something means to stop treating someone severely, or to stop doing something so forcefully.
'Let somebody off' means to not punish someone who has committed a crime or done something wrong, or to not punish them severely.
'Let someone on' means to tell other people about something that you know, especially when it is a secret.
The sentence is correct as the sunlight enter the room when the curtains are opened. Hence, the correct answer is E.

92. Ans. C.
To 'cry up' means to praise publicly in order to enhance in value or repute.
When something is 'cried off', it means that it was abandoned or aborted.
To 'cry out' means to speak in a loud voice, or to say something loudly or from a distance.
'Cry over' isn't a phrasal verb, but rather a part of the idiom 'cry over split milk', which means to express regret about something that has already happened or cannot be changed.
In the context of the passage. when the children felt the heat, they screamed or *cried out*. Hence, the correct answer is option C.

93. Ans. A.
Option A has no mistakes.
To 'alternate' is to take turns, while an 'alternative' is an option. The hunters and trappers don't plan to come back to poaching. So, there is no question of taking turns. Rather, hunters and trappers must be provided other livelihood options, thus, 'alternative' is the correct word.
The 'to' infinitive before educate must also appy to the verb provide in order to maintain parralelism (using elements in sentences that are grammatically similar or identical in

structure, sound, meaning, or meter). So, "provide" should be in its base form.
Hence, the correct answer is A.

94. Ans. C.
Option C has no mistakes.
The loved ones ageing and dying and Benjamin's de-ageing are two parallel activities. They didn't die because of Benjamin's de-ageing. So, the correct word choice is 'as'. Also, "one's" (contraction of "one is") shows possession, which is not present in the sentence. It represents the people loved by Benjamin, hence the plural (ones) should be used. The correct answer is option C.

95. Ans. A.
The second paragraph of the passage mention that several government-funded initiatives are taken to produce free education sources and spread through Youtube.
Apart from this, none of the other options has been mentioned anywhere.

96. Ans. B.
The statement mentioned in option B is clearly given in the second paragraph. The line stated: *'Frost & Sullivan reports that the quality of higher education is top notch in tier-1 universities, but not in tier-3 schools.'* The other options have not been indicated in the passage, however, the similar statements given in the passage might sound confusing to the reader. Unless the direct information is given in the passage, the statement must be understood as false.

97. Ans. C.
The word 'sporadic' represents something irregular or happening at uneven intervals. Therefore, the nearest opposite would be 'regular'.

'Abrupt' means something happening suddenly, 'sufficient' means adequate, 'innocent' means not guilty, and 'occasional' means something happening irregularly. Except 'occasional', which is the exact similar of 'sporadic', none of the other words relates to the word. Therefore, option C, 'regular' is the correct answer.

98. Ans. D.
The word 'infusion' means amalgamation or union of two things. Below are the meanings of the words given as options.
- Distortion: the act of disturbing something
- Aggression: Act of anger
- Representation: Presentation on the behalf of self or someone
- Combination: Union of two or more elements
- Adherence: Sticking to something
From the above, we may clearly derive that 'combination' is the closest in meaning to 'infusion'.

99. Ans. E.
The second paragraph clearly states that Frost and Sullivan mentioned about the gap between the quality of education between the tier-1 universities and tier-3 schools. None of the given options mentions about this. The options do include various things mentioned in the passage, but none has been reported by Frost and Sullivan.

100. Ans. A.
Except A, all the options highlight a specific section of the passage. However, option A is the only one giving the big picture of the entire passage, further confirming that this passage is about the infusion of the technology and education.

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