



Previous Year Paper

IBPS RRB Officer

Assistant Mains

Reasoning Ability

Direction:- Study the given information carefully to answer the given questions.

Seven boxes— T, U, V, W, X, Y and Z, are kept one above the other, but not necessarily in the same order. Each box contains different sweets Rasmalai, Jalebi, Petha, Peda, Barfi, Laddu and Rasbhari, but not necessarily in the same order.

- i. Only three boxes are kept between W and X. The box which contains Petha is kept immediately above W. Only one box is kept between the box which contains Petha and the box which contains Rasbhari. The box which contains Rasbhari is kept below the box which contains Petha. Only two boxes are kept between the box which contains Rasbhari and T.
- ii. U is kept immediately below Z. U is not kept immediately above X. Only two boxes are kept between Z and the box which contains Peda. X does not contain Peda.
- iii. The box which contains Rasmalai is kept immediately above Y. Only three boxes are kept between the box which contains Rasmalai and the box which contains Jalebi. Y does not contain Barfi.

Solution-

From (i), we will three cases:

Case 1.

If box W is kept at place no. 6, then box X is kept at place no. 2. The box which contains Petha is kept at place no. 7. The box which contains Rasbhari is kept at place no. 5.

This case will get discarded as there is no place left for J.

S.NO.	Boxes		Sweets	
	√	X	√	X
7			Petha	
6	W			
5			Rasbhari	
4				
3				
2	X			
1				

Case 2.

If box W is kept at place no. 5, then box X is kept at place no. 1. The box which contains Petha is kept at place no. 6. The box which contains Rasbhari is kept at place no. 4. T will be kept at place no. 7.

From (ii), As U is kept immediately below Z. U is not kept immediately above X. So, box U will be kept at place no. 3. Box Z and the box which contains Peda will be kept at place no. 4 and 7 respectively.

From (iii), The box which contains Rasmalai is kept immediately above Y. So, Y and the box which contains Rasmalai is kept at place no. 2 and 3 respectively.

This case will get discarded as only three boxes are kept between the box which contains Rasmalai and the box which contains Jalebi.

S.NO.	Boxes		Sweets	
	V	X	V	X
7	T		Peda	
6			Petha	
5	W			
4	Z		Rasbhari	
3	U		Rasmalai	
2	Y			
1	X			

Case 3.

If box W is kept at place no. 3, then box X is kept at place no. 7. The box which contains Petha is kept at place no. 4. The box which contains Rasbhari is kept at place no. 2. T will be kept at place no. 5.

From (ii), As U is kept immediately below Z. U is not kept immediately above X. So, box U will be kept at place no. 1. Box Z and the box which contains Peda will be kept at place no. 2 and 5 respectively.

From (iii), The box which contains Rasmalai is kept immediately above Y. So, Y and the box which contains Rasmalai is kept at place no. 6 and 7 respectively.

The box which contains Rasmalai is kept at place no. 3.

As Y does not contain Barfi. So, Y contains Laddu.

S.NO.	Boxes		Sweets	
	V	X	V	X
7	X		Rasmalai	
6	Y		Laddu	
5	T		Peda	
4	V		Petha	
3	W		Jalebi	
2	Z		Rasbhari	
1	U		Barfi	

Final arrangement as shown below:

S.NO.	Boxes	Sweets
7	X	Rasmalai
6	Y	Laddu
5	T	Peda
4	V	Petha
3	W	Jalebi
2	Z	Rasbhari
1	U	Barfi

Question No. 1

How many boxes are kept between V and the box which contains Rasbhari?

Options :

1. None
2. Two
3. More than three
4. Three
5. One

Answer : One

Question No. 2

Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to the group?

Options :

1. Z – Petha
2. U – Laddu
3. X – Peda
4. W – Barfi
5. T – Rasmalai

Answer : U – Laddu

Question No. 3

What is the position of U in the given stack of boxes?

Options :

1. Second from the top
2. Third from the bottom
3. Fifth from the top
4. Fourth from the top
5. First from the bottom

Answer : First from the bottom

Question No. 4

Which of the following boxes contains Laddu?

Options :

1. X
2. U
3. V
4. Y
5. Z

Answer : Y

Question No. 5

Which of the following boxes is kept immediately below T?

Options :

1. The box which contains Petha
2. Z
3. Y
4. X
5. The box which contains Jalebi

Answer : The box which contains Petha

Direction:- Read the following information carefully and answer the questions given below:

Twelve people are sitting in two parallel rows containing six people. In row 1 – P, Q, R, S, T and U are seated (but not necessarily in the same order) and all of them are facing south. In row 2 – M, I, E, K, C and G are seated (but not necessarily in the same order) and all of them are facing north. Each member seated in one row faces another member of the other row. T sits second to the right of U and doesn't face K. P sits at one of the ends and diagonally opposite to C. Three persons sit between C and G, who does not face R. K sits immediate left to E but does not face U. Two persons sit between Q and R, none of them sits at the end. The one who faces S sits second right to M.

Solution-

We will have two cases:

If P sits at place no. 1, then C will sit at place no. 12 as P sits at one of the ends and diagonally opposite to C.

Three persons sit between C and G, who does not face G. So, G will sit at place no. 8.

Two persons sit between Q and R, none of them sits at the end. It means neither Q nor R sits at extreme end of the row. So, Q and R will sit at place no. 2 and 5 respectively as G does not face R.

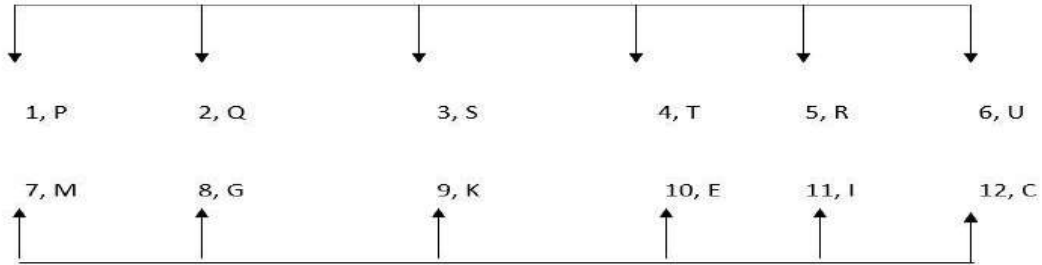
T sits second to the right of U and doesn't face K. So, T and U will sit at place no. 4 and 6 respectively.

K sits immediate left to E and T doesn't face K. So, K and E will sit at place no. 9 and 10 respectively.

The one who faces S sits second right to M. S will sit at place no. 3 and M will sit at place no. 7.

Only person left for place no. 1 is I.

Row – 1 facing south



Row – 2 facing north

Case 1.

If P sits at place no. 6, then C will sit at place no. 7 as P sit at one of the ends and diagonally opposite to C.

Three persons sit between C and G, who does not face R. So, G will sit at place no. 11.

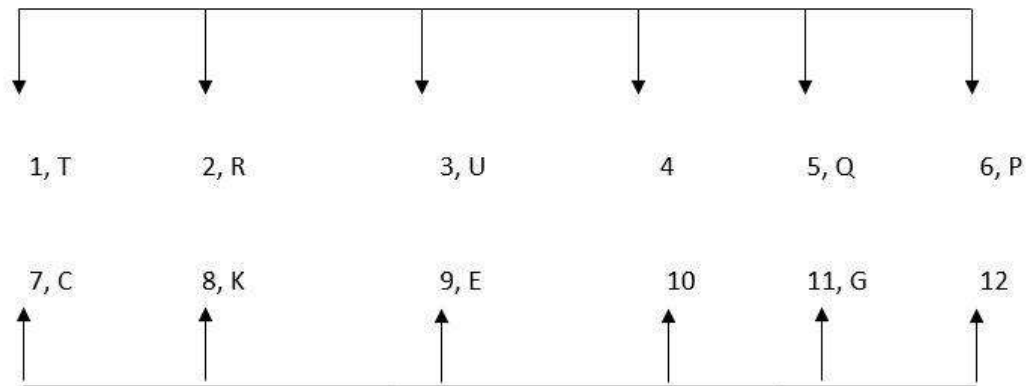
Two persons sit between Q and R, none of them sits at the end. It means neither Q nor R sits at extreme end of the row. So, Q and R will sit at place no. 5 and 2 respectively as G does not face R.

T sits second to the right of U and doesn't faces K. So, T and U will sit at place no. 1 and 3 respectively.

K sits immediate left to E but does not faces U. So, K and E will sit at place no. 8 and 9 respectively.

The one who faces S sits second right to M. This case will get discarded if S sits at place no. 4, then M will sit at place no. 12 but this will be wrong as M faces north direction.

Row – 1 facing south

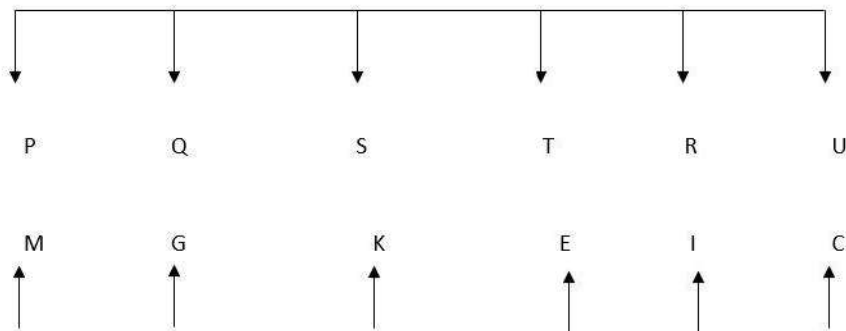


Row – 2 facing north

Case 2.

Final arrangement as shown below:

Row – 1 facing south



Row – 2 facing north

Question No. 6

Who among the following faces U?

Options :

1. I
2. G
3. K
4. M
5. C

Answer : C

Question No. 7

How many persons sit to the right of I?

Options :

1. No One
2. One
3. Two
4. Three
5. Four

Answer : One

Question No. 8

Four of the following five form a group ,who among the following does not belongs to that group?

Options :

1. C
2. S
3. U
4. P
5. M

Answer : S

Question No. 9

If in a certain way P is related to K, S is related to I, then who among the following is related to E?

Options :

1. R
2. S
3. I
4. G
5. Q

Answer : Q

Question No. 10

Who among the following sit third right to S?

Options :

1. P
2. S
3. T
4. U
5. No one

Answer : No one

Direction:- In each question below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Question No. 11

Statements:

Only a few wire are cable.

No plug is cable.

No wire is wall.

Conclusions:

I. All plug being wire is a possibility.

II. Some cable are not wall.

Options :

1. Only I follows
2. Both I and II follow
3. Only II follows
4. None follows
5. None of these

Answer : Both I and II follow

Some wire are cable (I) + No cable is plug (E) → Some wire are not plug (O) → Probable

Conclusion → All plug may be wire (A). Hence conclusion I follows.

No wire is wall (E) → Conversion → No wall is wire (E) + Some wire are cable (I) → Some cable are not wall (O*). Hence conclusion II follows.

Question No. 12

Statements:

No king is queen.

Some queens are soldiers.

Only king are crown

Conclusions:

I. All soldiers can be crowns.

II. All soldiers being kings is a possibility

Options :

1. Only I follows

2. Both I and II follow

3. Only II follows

4. Either I or II follows

5. None follows

Answer : None follows

No king is queen (E) + Some queens are soldiers (I) → Some soldiers are not kings (O) +

Only king are crown → No conclusion. Hence neither conclusion I nor II follow.

Question No. 13

Statements:

All remotes are buttons.

No button is car.

All buttons are antennas.

Conclusions:

I. Some remotes are cars.

II. All cars can be antennas.

Options :

1. Only II follows
2. Both I and II follow
3. Only I follows
4. Either I or II follows
5. None follows

Answer : Only II follows

All remotes are buttons (A) + No button is car (E) → No remote is a car (E). Hence conclusion I does not follow.

No button is car (E) → No car is button (E) + All buttons are antennas (A) → Some antennas are not cars (O*) → Probable Conclusion → All cars may be antennas (A). Hence conclusion II follows.

Question No. 14

Statements:

All mouse are keyboards.

Only a few printer are scanner.

All keyboards are printer.

Conclusions:

- I. Some scanners are keyboard.
- II. All Scanners being mouse is a possibility.

Options :

1. Only I follows
2. None follows
3. Both I and II follow
4. Only II follows
5. None of these

Answer : Only II follows

All keyboards are printer (A) + Some printer are scanner (I) → No conclusion. Hence conclusion I does not follow.

**All mouse are keyboards (A) + All keyboards are printer (A) → All mouse are printer (A) +
Some printer are scanner (I) → Probable Conclusion → All Scanners may be mouse (A).
Hence conclusion II follow.**

Question No. 15

Statements:

Some monitor are screen.

Some resolution are screen.

Some pixel are resolution.

Conclusions:

- I. Some monitor are resolution.
- II. Some screen are resolution.

Options :

1. Only II follows
2. Both I and II follow
3. None follows
4. Either I or II follows
5. None of these

Answer : Only II follows

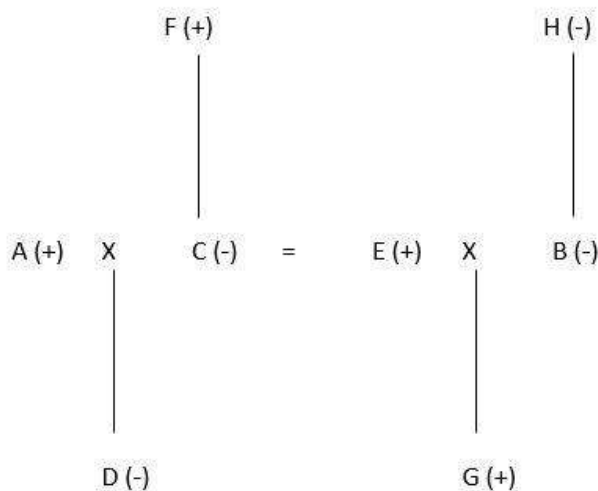
Some monitor are screen (I) + Some resolution are screen (I) No conclusion. Hence conclusion I does not follow.

Some resolution are screen (I) → Conversion → Some screen are resolution (I). Hence conclusion II follow.

Direction:- Study the following information carefully and answer the given questions.

There are eight members in a family i.e. A, B, C, D, E, F, G and H. There are four females and two married couples. F has one daughter and one son. G is son of B who is daughter of H. F is father in law of A. D is niece of E who is brother in law of A. C is mother of D.

Solution:-



Question No. 16

Who among the following is sister of E?

Options :

1. C
2. D
3. E
4. G
5. None of these

Answer : C

Question No. 17

Which of the following is not true about C?

Options :

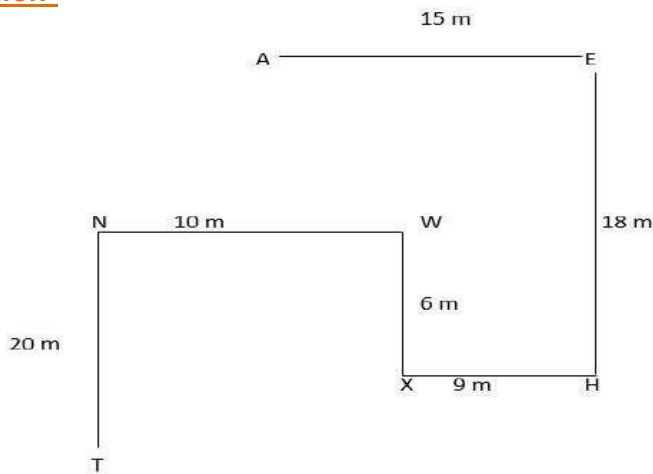
1. C is aunt of G
2. D is daughter C
3. C is sister of E
4. C is grandson of F
5. None of true

Answer : C is grandson of F

Direction:- Study the information carefully and answer the questions given below.

A person starts walking in north direction from point T, after walking 20 m he reached at point N, then he takes right turn and walks 10 m to reach at point W. After that he walks in south direction and walks 6 m to reach at point X. Point H is 9 m east of point X. Point E is 18 m north of H. Point A is 15 m west of E.

Solutiion-



Question No. 18

What is the direction of E with respect to person's initial position?

Options :

1. North
2. West
3. South-West
4. North-East
5. None of these

Answer : North-East

Question No. 19

What is the shortest distance between W and E?

Options :

1. 15 m
2. 18 m
3. 20 m
4. 14 m
5. 12 m

Answer : 15 m

Shortest distance between W and E = $\sqrt{9^2 + 12^2} = \sqrt{81 + 144} = \sqrt{225} = 15 \text{ m}$

Question No. 20

What is the direction of T with respect to H?

Options :

1. South-East
2. North-West
3. South-West
4. East
5. None of these

Answer : South-West

Direction:- In the following questions, the symbols @, \$, %, # and & used with the following meaning as illustrated below:

'T@U' means 'T is neither smaller than nor equal to U'

'T # U' means 'T is neither greater than nor equal to U'

'T \$ U' means 'T is not smaller than U'

'T&U' means "T is neither greater than nor smaller than U"

'T %U' means 'T is not greater than U'

Now, in each of the following questions assuming the given statements to be true, find which of the three conclusions I, II and III is/are definitely true and give your answer accordingly.

Question No. 21

Statements: $W \geq R \geq Z \leq A \leq K$

Conclusions:

I. $R \geq Z$

II. $A \geq K$

III. $Z \leq K$

Options :

1. None is true
2. Only I is true
3. Only II is true
4. Only III is true
5. Only I and III true

Answer : None is true

$W \geq R \geq Z < A \leq K$ $R \geq Z$. Hence conclusion I is not true.

$W \geq R \geq Z < A \leq K$ $A \leq K$. Hence conclusion II is not true.

$W \geq R \geq Z < A \leq K$ $K > Z$. Hence conclusion III is not true.

Question No. 22

Statements: $M \leq L \geq T$, $X \leq P$, $M \leq P$

Conclusions:

I. $M \geq T$

II. $P \geq L$

III. $X \leq L$

Options :

1. None is true
2. Only I is true
3. Only II is true
4. Only III is true
5. Only I and II true

Answer : None is true

$X \leq P \geq M < L > T$ No relationship can be established between M and T. Hence conclusion I is not true.

$X \leq P \geq M < L > T$ $L > P$. Hence conclusion II is not true.

$X \leq P \geq M < L > T$ No relationship can be established between L and X. Hence conclusion III is not true.

Question No. 23

Statements: B @ Z # M & J, A \$ J

Conclusions:

- I. M % A
- II. J @ Z
- III. B @ A

Options :

1. None is true
2. Only I is true
3. Only II is true
4. Only III is true
5. None of these

Answer : None of these

$B > Z < M = J \leq A$

$M \leq A$. Hence conclusion I is true.

$B > Z < M = J \leq A$

$J > Z$. Hence conclusion II is true.

$B > Z < M = J \leq A$

No relationship can be established between B and A.
Hence conclusion III is not true.

Question No. 24

Statements: $N \% I$, $Q \# C$, $D \$ C$, $D @ I$

Conclusions:

I. $C \# I$

II. $N \# D$

III. $N \# C$

Options :

1. Only II and III are true
2. Only III and I are true
3. Only I and II are true
4. All are true
5. Only II is true.

Answer : Only II is true.

$N \leq I < D \geq C > Q$

Hence conclusion I is not true.

No relationship can be established between C and I.

$N \leq I < D \geq C > Q$

$D > N$. Hence conclusion II is true.

$N \leq I < D \geq C > Q$

Hence conclusion III is not true.

No relationship can be established between C and N.

Question No. 25

Statements: $G \% P$, $G \# D$, $A @ P$, $X \$ D$

Conclusions:

I. $D @ A$

II. $X \$ P$

III. $A @ D$

Options :

1. Only I and II are true
2. Only I and III are true
3. Only I is true
4. Only III is true
5. None of these

Answer : None of these

$X \geq D > G \leq P < A$ No relationship can be established between D and A. Hence conclusion I is not true.

$X \geq D > G \leq P < A$ No relationship can be established between X and P. Hence conclusion II is not true.

$X \geq D > G \leq P < A$ No relationship can be established between A and D. Hence conclusion III is not true.

Direction:- Study the following information carefully and answer the question given below:

Eight persons A, B, C, D, E, F, G and H attend seminars on different months of the year viz. January, February, March and April, such that not more than two persons attend their seminars in each of the months. Seminars can be held on either 10th or 11th day of the month. No two seminars can be held on the same day. E attend seminar in a month which has less than 30 days. Only one person attend seminar between E and H. C attends seminar in March. A attend seminar on even day of a month having 30 days. Equal Number of seminar are between H and F as there between H and D. G attend seminar immediate before F.

Solution

E attend seminar in a month which has less than 30 days. E will attend seminar either on 10th February or 11th February.

Only one person attend seminar between E and H. H will attend the seminar on 10th January or 10th March or 11th January or 11th March.

Months	Case 1.	Case 1.a.	Case 2.	Case 2.a.
	Persons		Persons	Persons
10 th January (31)	H			
11 th January (31)			H	
10 th February (28)	E	E		
11 th February (28)			E	E
10 th March (31)		H		
11 th March (31)				H
10 th April (30)				
11 th April (30)				

A attend seminar on even day of a month having 30 days. So, A will attend the seminar on 10th April. C attends seminar in March. Equal Number of seminar are between H and F as there between H and D. G attend seminar immediate before F. Case 1 and Case 2 will get discarded as there cannot be an equal Number of seminar are between H and F as there between H and D.

In case 1.a. C will attend the seminar on 11th March. As equal number of seminar are between H and F as there between H and D. So, F and D will attend the seminar on 11th January and 11th April.

G attend seminar immediate before F. So, G will attend the seminar on 10th January.

In case 2.a C will attend the seminar on 10th March but there will be no place available D as equal number of seminar are between H and F as there between H and D.

Months	Case 1.	Case 1.a.	Case 2.	Case 2.a.
	Persons	Persons	Persons	Persons
10 th January (31)	H	G		
11 th January (31)		F	H	
10 th February (28)	E	E		
11 th February (28)		B	E	E
10 th March (31)		H		C
11 th March (31)		C		H
10 th April (30)	A	A	A	A
11 th April (30)		D		

Final arrangement as shown below:

Months	Persons
10 th January (31)	Y
11 th January (31)	X
10 th February (28)	W
11 th February (28)	N
10 th March (31)	Z
11 th March (31)	O
10 th April (30)	M
11 th April (30)	V

Question No. 26

A attends his seminar on which of the following dates?

Options :

1. 10th March
2. 11th April
3. 10th April
4. 10th January
5. None of these

Answer : 10th April

Question No. 27

Which of the following persons attends his Seminar on 11th January?

Options :

1. E
2. B
3. A
4. F
5. None of these

Answer : F

Question No. 28

How many persons attend the Seminar after E?

Options :

1. 5
2. 4
3. 6
4. 3
5. None of these

Answer : 5

Question No. 29

Who among the following persons attends the Seminar on 10th March?

Options :

1. E
2. A
3. D
4. H
5. None of these

Answer : H

Question No. 30

How many persons attended Seminar after D?

Options :

1. 5
2. 4
3. 7
4. No one
5. None of these

Answer : No one

Direction:- Read the following information carefully and answer the questions given beside:

Eight persons, J, K, L, M, N, O, P and Q, are sitting around a circular table facing the centre but not necessarily in the same order. Each one of them owns different shops -Mobile, Cosmetic, Grocery, Recharge, Garments, Dairy, Electric and Furniture.

- i. J sits third to the right of the one who owns a Furniture shop. Only two people sit between the one who owns a Furniture shop and Q. The one who owns a Garments shop and the one who owns a Cosmetic shop are immediate neighbours.
- ii. Neither J nor Q owns Garments shop or a Cosmetic shop. The one who owns a Garments shop is not an immediate neighbour of the one who owns a Furniture shop. The one who owns a Mobile shop sits second to the left of N. N is not an immediate neighbour of Q.
- iii. The one who owns a Mobile shop is an immediate neighbour of both the one who owns a Dairy shop and the one who owns an Electric shop. The one who owns an Electric shop sits third to the right of K. K does not own the Garments shop.
- iv. L sits on the immediate right of the one who owns a Grocery shop. J does not own the Grocery shop. O is not an immediate neighbour of J. P is not an immediate neighbour of the one who owns a Mobile shop.

Solution

From (i), If the one who owns a Furniture shop sits at place no. 1, then J will sit at place no. 4. Q sits at place no. 6.

From (i) and (ii), As we know that neither J nor Q owns the Garments shop or a Cosmetic shop and the one who owns a Garments shop is not an immediate neighbour of the one who owns a Furniture shop. So, one who owns a Garments shop cannot sit at place no. 2, 4, 8 and 6. The one who owns a Cosmetic shop cannot sit at place no. 4 and 6.

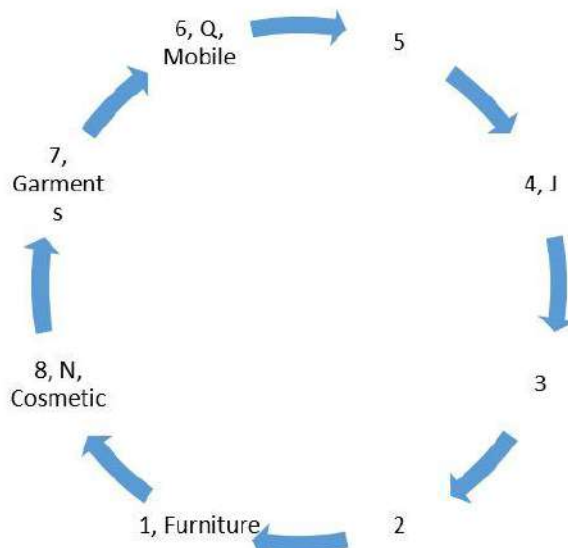
As the one who owns a Garments shop and the one who owns a Cosmetic shop are immediate neighbours. So, there will be two cases:

Case 1.

The one who owns a Garments shop and the one who owns a Cosmetic shop sits at place no. 7 and 8 respectively.

From (ii), N cannot sit at place no. 5 and 7. So, N sits at place no. 8 and the one who owns a Mobile shop sits at place no. 6.

From (iii), this case will get discarded as the one who owns a Mobile shop is an immediate neighbour of both the one who owns a Dairy shop and the one who owns an Electric shop.



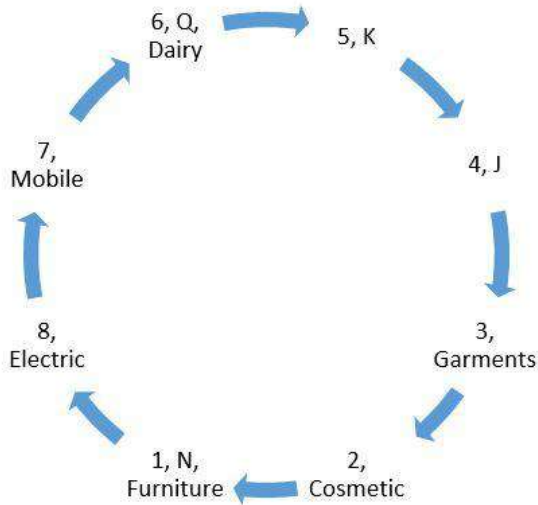
Case 2.

The one who owns a Garments shop and the one who owns a Cosmetic shop sits at place no. 3 and 2 respectively.

From (ii), N cannot sit at place no. 5 and 7. So, N sits at place no. 1 and the one who owns a Mobile shop sits at place no. 7.

From (iii), The one who owns a Mobile shop is an immediate neighbour of both the one who owns a Dairy shop and the one who owns an Electric shop. W does not own Electric shop as K does not own the Garments shop. So, the one who owns a Dairy shop and the one who owns an Electric shop will sit at place no. 6 and 8 respectively. K will sit at place no. 5.

This case will get discarded as there is no place left for L.



Case 3.

The one who owns a Garments shop and the one who owns a Cosmetic shop sits at place no. 3 and 2 respectively.

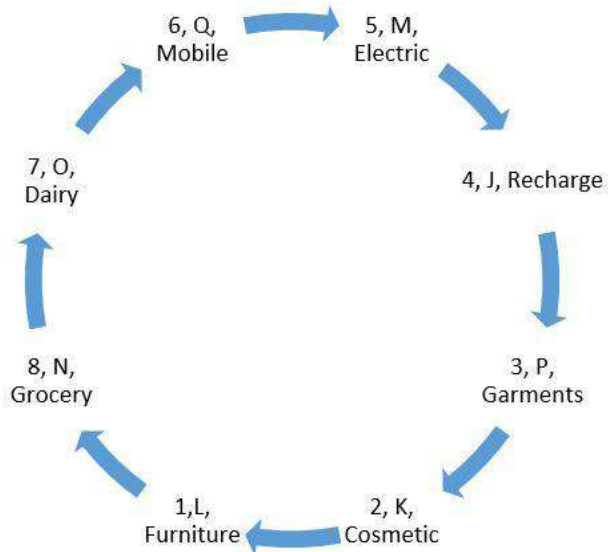
From (ii), N cannot sit at place no. 5 and 7. So, N sits at place no. 8 and the one who owns a Mobile shop sits at place no. 6.

From (iii), The one who owns a Mobile shop is an immediate neighbour of both the one who owns a Dairy shop and the one who owns an Electric shop. The one who owns an Electric shop cannot sit at place no. 7 as J sits at place no. 4. So, the one who owns a Dairy shop and the one who owns a Electric shop will sit at place no. 7 and 5 respectively. K will sit at place no. 2.

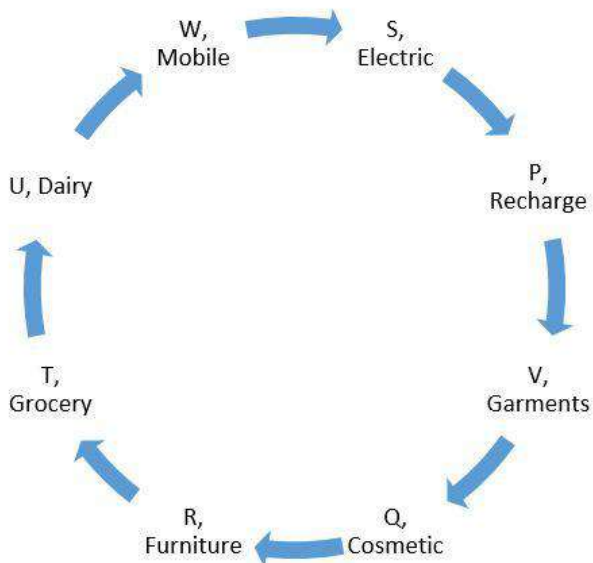
From (iv), as J does not own the Grocery shop. So, N owns the Grocery shop and L sits at place no. 1.

As O is not an immediate neighbour of J. P is not an immediate neighbour of the Mobile shop. So, O and P will sit at place no. 7 and 3 respectively.

Only shop left for J is Recharge shop.



Final arrangement as shown below:



Question No. 31

Who amongst the following sits third to the left of N?

Options :

1. The one who owns a Mobile shop
2. P
3. J
4. The one who owns an Electric shop
5. K

Answer : The one who owns an Electric shop

Question No. 32

Four of the following five are alike in a certain way based on the given arrangement and thus form a group. Which is the one that does not belong to that group?

Options :

1. O – Grocery shop
2. P – Recharge shop
3. M – Mobile shop
4. J – Electric shop
5. K – Furniture shop

Answer : K – Furniture shop

Question No. 33

Who among the following owns the Recharge shop?

Options :

1. J
2. L
3. Q
4. P
5. M

Answer : J

Question No. 34

Which of the following is true with respect to the given seating arrangement?

Options :

1. The one who owns a Dairy shop is an immediate neighbour of the one who owns a Garments shop.
2. P sits second to the right of M.
3. The one who owns a Dairy shop and the one who owns a Cosmetic shop are immediate neighbours.
4. The one who owns a Grocery shop sits to the immediate left of the one who owns a Furniture shop.
5. The one who owns a Dairy shop sits second to the left of M.

Answer : *The one who owns a Grocery shop sits to the immediate left of the one who owns a Furniture shop.*

Question No. 35

K owns which of the following shop?

Options :

1. Grocery shop
2. Mobile shop
3. Cosmetic shop
4. Garments shop
5. Electric shop

Answer : *Cosmetic shop*

Direction: -Study the following information carefully to answer the given questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input- 5 22 jaw 61 nest 79 52 worry purchase 55 dimension cater

Step I: worry 22 jaw 61 nest 79 52 purchase 55 dimension cater 5

Step II: worry jaw 22 nest 79 52 purchase 55 dimension cater 5 61

Step III: worry jaw nest 22 52 purchase 55 dimension cater 5 61 79

Step IV: worry jaw nest cater 52 purchase 55 dimension 5 61 79 22

Step V: worry jaw nest cater dimension purchase 55 5 61 79 22 52

Step IV: worry jaw nest cater dimension purchase 5 61 79 22 52 55

And step IV is the last step of the above input, as per the rules followed in the steps given above, find out in each of the following questions the appropriate step for the given input.

Input: 7 24 prompt 19 drip 67 33 sorrow fold 78 cake hexagon

Solution:-

The machine rearranges one word and one number in each step simultaneously, words are arranged from left end and numbers are arranged from right end.

(i) In this, words are arranged in decreasing manner according to the last letter of the word.

(ii) Numbers are arranged in increasing order, first all prime numbers are arranged after that non-prime numbers are arranged.

Input- 7 24 prompt 19 drip 67 33 sorrow fold 78 cake hexagon

Step I: sorrow 24 prompt 19 drip 67 33 fold 78 cake hexagon 7

Step II: sorrow prompt 24 drip 67 33 fold 78 cake hexagon 7 19

Step III: sorrow prompt drip 24 33 fold 78 cake hexagon 7 19 67

Step IV: sorrow prompt drip hexagon 33 fold 78 cake 7 19 67 24

Step V: sorrow prompt drip hexagon cake fold 78 7 19 67 24 33

Step VI: sorrow prompt drip hexagon cake fold 7 19 67 24 33 78

Question No. 36

What will be the position of 'fold' with respect to 'cake' in the step III of the input?

Options :

1. Immediate left
2. Fourth to the right
3. Fourth to the left
4. Second to the left
5. None of these

Answer : Second to the left

Question No. 37

What will be the position of 'hexagon' in the last but one step?

Options :

1. Seventh from the left
2. Seventh from the right
3. Fourth from the left
4. Fifth from the left
5. Both (2) and (3)

Answer : Fourth from the left

Question No. 38

Which of the following will be the penultimate step?

Options :

1. Step VI
2. Step V
3. Step IV
4. Step III
5. None of these

Answer : Step V

Question No. 39

After how many steps no further rearrangement of words is possible?

Options :

1. Five
2. Four
3. Six
4. Seven
5. Eight

Answer : Five

Question No. 40

What will be the position of '78' in step IV?

Options :

1. Sixth from right
2. Seventh from right
3. Seventh from left
4. Both (1) and (3)
5. None of these

Answer : Both (1) and (3)

Quantitative Aptitude

Direction:- In the following questions, two equations numbered I and II are given. You have to solve both the equations and give answer.

Question No. 41

I. $y^2 + y - 56 = 0$

II. $2x^2 + 11x - 40 = 0$

Options :

1. If $x > y$
2. If $x \geq y$
3. If $x < y$
4. If $x \leq y$
5. If $x = y$ or the relationship cannot be established

Answer : If $x = y$ or the relationship cannot be established

I. $y^2 + y - 56 = 0$

$y^2 + 8y - 7y - 56 = 0$

$y(y + 8) - 7(y + 8) = 0$

$y = 7, -8$

II. $2x^2 + 11x - 40 = 0$

$2x^2 - 5x + 16x - 40 = 0$

$x(2x - 5) + 8(2x - 5) = 0$

$(x + 8)(2x - 5) = 0$

$x = -8, 5/2$

Hence, relationship cannot be established between x and y

Alternate Method:

Remember whenever roots of x & y are + & - both, there is no need to find the exact value of roots. In this case, there will be always no relation between x & y.

Hence relationship between x & y cannot be established.

Question No. 42

I. $2y^2 - 35y + 132 = 0$

II. $2x^2 - 31x + 110 = 0$

Options :

1. if $x > y$
2. if $x \geq y$
3. if $x < y$
4. if $x \leq y$
5. if $x = y$ or the relationship cannot be established

Answer : if $x = y$ or the relationship cannot be established

I. $2y^2 - 35y + 132 = 0$

$2y^2 - 11y - 24y + 132 = 0$

$y(2y - 11) - 12(2y - 11) = 0$

$y = 12, 11/2$

II. $2x^2 - 31x + 110 = 0$

$2x^2 - 20x - 11x + 110 = 0$

$2x(x - 10) - 11(x - 10) = 0$

$x = 10, 11/2$

Hence, relationship cannot be established between x and y

Question No. 43

I. $x^2 - 6x = 7$

II. $2y^2 + 13y + 15 = 0$

Options :

1. $x < y$

2. $x > y$

3. $x = y$

4. $x \geq y$

5. $x \leq y$

Answer : $x > y$

I. $x^2 - 6x = 7$

$x^2 - 6x - 7 = 0$

$(x - 7)(x + 1) = 0,$

$x = 7, -1$

II. $2y^2 + 13y + 15 = 0$

$2y^2 + 3y + 10y + 15 = 0$

$y(2y + 3) + 5(2y + 3) = 0,$

$(2y + 3)(y + 5) = 0$

$y = -\frac{3}{2}, -5$

Hence, $x > y$

Question No. 44

I. $x = (1331)^{1/3}$

II. $2y^2 - 21y + 55 = 0$

Options :

1. $x \geq y$

2. $x \leq y$

3. $x > y$

4. $x < y$

5. $x = y$ or relationship between x and y cannot be established

Answer : $x > y$

I. $x = (1331)^{1/3}$

$\Rightarrow x = 11$

II. $2y^2 - 21y + 55 = 0$

$\Rightarrow (2y - 11)(y - 5) = 0$

$\Rightarrow y = 5, '11/2'$

Hence, $x > y$

Question No. 45

I. $3x^2 - 22x + 40 = 0$

II. $4y^2 + 22y + 24 = 0$

Options :

1. If $x \geq y$

2. If $x \leq y$

3. If $x > y$

4. If $x < y$

5. If $x=y$ or relationship between x and y cannot be established

Answer : If $x > y$

I. $3x^2 - 22x + 40 = 0$

$3x^2 - 12x - 10x + 40 = 0$

$3x(x - 4) - 10(x - 4)$

$(3x - 10)(x - 4)$

$x = 10/3, 4$

II. $4y^2 + 22y + 24 = 0$

$4y^2 + 16y + 6y + 24 = 0$

$4y(y + 4) + 6(y + 4)$

$(4y + 6)(y + 4)$

$x = -4, -3/2$

Hence, $x > y$

Direction:- In the following questions, two equations numbered I and II are given. You have to solve both the equations and give answer.

Question No. 46

I. $2y^2 - 19y + 35 = 0$

II. $4x^2 - 16x + 15 = 0$

Options :

1. If $x > y$
2. If $x \geq y$
3. If $x < y$
4. If $x \leq y$
5. If $x = y$ or the relationship cannot be established

Answer : If $x \leq y$

I. $2y^2 - 19y + 35 = 0$

$$2y^2 - 5y - 14y + 35 = 0$$

$$y(2y - 5) - 7(2y - 5) = 0$$

$$(2y - 5)(y - 7) = 0$$

$$y = 7, 5/2$$

II. $4x^2 - 16x + 15 = 0$

$$4x^2 - 6x - 10x + 15 = 0$$

$$2x(2x - 3) - 5(2x - 3) = 0$$

$$(2x - 3)(2x - 5) = 0$$

$$x = 5/2, 3/2$$

Hence, $x \leq y$

Alternate Method:

if signs of quadratic equation is - ve and +ve respectively then the roots of equation will be +ve and +ve.

So, roots of first equation = $y = 7, 5/2$

So, roots of second equation = $x = 5/2, 3/2$

After comparing we can conclude that $x \leq y$.

Direction:- What approximate value should come in the following question.

Question No. 47

$$3\sqrt{216.68} + 3\sqrt{343.8} + 3\sqrt{625.66} = ?$$

Options :

1. 38
2. 36
3. 37
4. 32
5. 35

Answer : 38

$$\Rightarrow \sqrt[3]{216.68} + \sqrt[3]{343.8} + \sqrt[3]{625.66} = ?$$

$$\Rightarrow \sqrt[3]{216} + \sqrt[3]{343} + \sqrt[3]{625} = ?$$

$$\Rightarrow 6 + 7 + 25 = 38$$

Question No. 48

$$\sqrt{100.19} \times \sqrt{25.21} + (3.13)^3$$

Options :

1. 77
2. 72
3. 70
4. 71
5. None of these

Answer : 77

$$\Rightarrow \sqrt{100.19} \times \sqrt{25.21} + (3.13)^3$$

$$\Rightarrow \sqrt{100} \times \sqrt{25} + (3)^3$$

$$\Rightarrow 10 \times 5 + 27 = 77$$

Direction:- What approximate value should come in place of question mark.

Question No. 49

$$(\sqrt{255.96} + \sqrt{360.99}) \times 7.12 = ? \div 2.22$$

Options :

1. 300
2. 490
3. 190
4. 405
5. 590

Answer : 490

$$(\sqrt{255.96} + \sqrt{360.99}) \times 7.12 = ? \div 2.22$$

$$(\sqrt{256} + \sqrt{361}) \times 7 = ? \div 2$$

$$(16 + 19) \times 7 = ? \div 2$$

$$490 = ?$$

Question No. 50

$$\{(16.96/3) + (9.99/5) + (8.12/15)\} \times 59.97 = ?$$

Options :

1. 492
2. 202
3. 366
4. 592
5. 402

Answer : 492

$$\{(16.96/3) + (9.99/5) + (8.12/15)\} \times 59.97 = ?$$

$$\{(17/3) + (10/5) + (8/15)\} \times 60 = ?$$

$$17/3 \times 60 + 10/5 \times 60 + 8/15 \times 60 = ?$$

$$? = 340 + 120 + 32 = 492$$

Question No. 51

$$(1/3.94) \times (6.08/18.13) \times 21.09 + 8.12 = ?$$

Options :

1. 10
2. 19
3. 15
4. 20
5. 11

Answer : 11

$$\Rightarrow (1/3.94) \times (6.08/18.13) \times 21.09 + 8.12 = ?$$

$$\Rightarrow (1/4) \times (6/18) \times 21 + 8 = ?$$

$$\Rightarrow 7/4 + 8 = 11$$

Question No. 52

A vessel contains milk and water in which 20% water. 60 litres of mixture was taken out and replaced by water and the ratio becomes 4:5. Find the initial quantity of milk in the vessel?

Options :

1. 40 litres
2. 52.5 litres
3. 80 litres
4. 49 litres
5. 108 litres

Answer : 108 litres

Milk and water ratio = 4:1

Given,

$$(4x - 48)/(x - 12 + 60) = 4/5$$

$$20x - 240 = 4x - 48 + 240$$

$$16x = 240 - 48 + 240$$

$$x = 27$$

Initial quantity of milk in the vessel = 108 litres

Question No. 53

A and B together can complete a piece of work in 40 days while B and C together can complete the same work in 36 days. All of three together **Note: You have to find approx. value**

Options :

1. 122 days
2. 128 days
3. 50 days
4. 142 days
5. 160 days

Answer : 128 days

Time taken by A, B and C together to complete the whole work = $26.4/0.80 = 33$ days

Let total amount of work = 3960 (LCM of 40, 36 and 33)

Efficiency of (A + B) = $3960/40 = 99$ units per day

Efficiency of (B + C) = $3960/36 = 110$ units per day

Efficiency of (A + B + C) = $3960/33 = 120$ units per day

Efficiency of A = $120 - 110 = 10$ units per day

Efficiency of C = $120 - 99 = 21$ units per day

Desired time = $3960/31 = 127.7$ days = 128 days

Question No. 54

Marked price of an article is Rs.900 more than the cost price. When the same article is sold at a discount of Rs.120, the profit percent earned is 15%. To earn a profit of 35%, at what price the article should be sold?

Options :

1. 7020
2. 8400
3. 7150
4. 6500
5. 7200

Answer : 7020

Let CP of an article be Rs.x

And MP = Rs.(900 + x)

According to question,

$$\Rightarrow (900 + x) - 120 = [x \times 115/100]$$

$$\Rightarrow 780 + x = 23x/20$$

$$\Rightarrow x = 5200$$

$$\text{SP of an article} = [(100 + 35)/100] \times 5200 = \text{Rs.7020}$$

Question No. 55

All the four lateral walls and the ceiling of a room of length 14 ft, breadth 11 ft and height 8 ft are to be painted. The total cost of painting is Rs. 8480. If the cost of painting is Rs. 16 per sq ft then what is the area occupied by the doors and windows?

Options :

1. 50 sq. ft
2. 23 sq. ft
3. 25 sq. ft
4. 24 sq. ft
5. 22 sq. ft

Answer : 24 sq. ft

The Lateral Surface Area (LSA) = $2(l + b) \times h = 2(14 + 11) \times 8 = 400$

Area of the ceiling = $(l \times b) = 14 \times 11 = 154$

Total cost = LSA + Area of ceiling – (Windows and door occupied area = x)

$8480 = (400 + 154) \times 16 - x \times 16$

Hence, $x = (8864 - 8480) / 16 = 24$ sq ft

$\therefore$ the area occupied by the doors and windows = 24 sq. ft

Question No. 56

A, B and C enter into a partnership, A invest $3X + 1000$, B invest $X + 3000$ and C invest $X + 1500$ for one year if B share is 20000 from total profit of 40000 then find the difference between investment of A and C.

Options :

1. 5750
2. 5000
3. 6500
4. Cannot be determined
5. None of these

Answer : 6500

According to question,

$$(3x + 1000)/(x + 3000 + 3x + 1000 + x + 1500) = 20000/40000$$

$$X = 3500$$

$$\text{Required difference} \rightarrow 3x + 1000 - x - 1500 = 6500$$

Direction:- In each of the following questions, one term in the number series is wrong. Find out the wrong term.

Question No. 57

166 165 160 158 152 150

Options :

1. 160
2. 158
3. 150
4. 152

Answer : 152

$$166 - 1 = 165$$

$$165 - 5 = 160$$

$$160 - 2 = 158$$

$$158 - 5 = 153$$

$$153 - 3 = 150$$

Question No. 58

69 78 89 101 117 134

Options :

1. 134
2. 117
3. 101
4. 78

Answer : 101

$$69 + 9 = 78$$

$$78 + 11 = 89$$

$$89 + 13 = 102$$

$$102 + 15 = 117$$

$$117 + 17 = 134$$

Question No. 59

11 15 20 29 39 51

Options :

1. 29
2. 51
3. 11
4. 20

Answer : 20

$$11 + 4 = 15$$

$$15 + 6 = 21$$

$$21 + 8 = 29$$

$$29 + 10 = 39$$

$$39 + 12 = 51$$

Question No. 60

61 72 85 97 111 126

Options :

1. 111

2. 126

3. 97

4. 85

Answer : 85

61 + 11 = 72

72 + 12 = 84

84 + 13 = 97

97 + 14 = 111

111 + 15 = 126

Question No. 61

22 44 176 1054 8448 84480

Options :

1. 176

2. 1054

3. 44

4. 8448

5. None of these

Answer : 1054

$$22 \times 2 = 44$$

$$44 \times 4 = 176$$

$$176 \times 6 = 1056$$

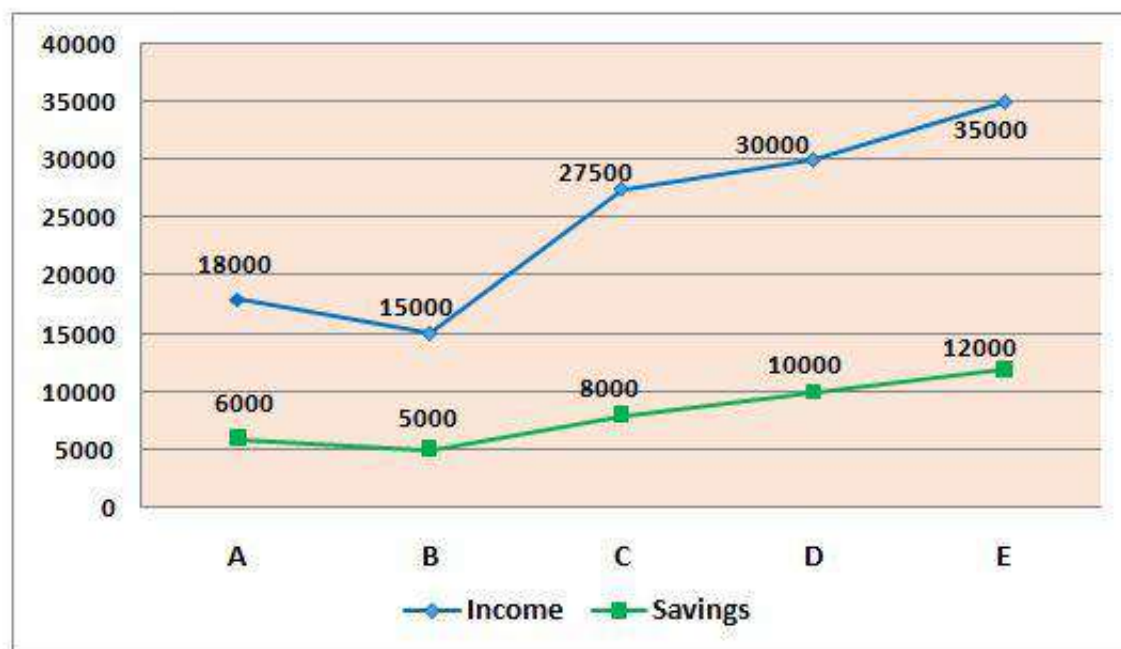
$$1056 \times 8 = 8448$$

$$8448 \times 10 = 84480$$

Direction:- Study the following graph carefully and answer the questions.

The following line graph shows the monthly income and savings of five persons in 2018.

Expenses = Income - Savings



Question No. 62

The expenses of F are 25% more than that of A. Ratio of Income and Savings of F is 4:1. Find the Savings of F in 2018.

Options :

1. Rs. 9000
2. Rs. 7000
3. Rs. 5000
4. Rs. 8000
5. None of these

Answer : Rs. 5000

Expenditure of A = 18000 – 6000 = Rs.12000

Expenditure of F = $(125/100) \times 12000 = \text{Rs.}15000$

Now, Savings of F = $[15000/(4-1)] \times 1 = \text{Rs. } 5000$

Question No. 63

Expenses of G are equal to difference between expenses of B and D. Savings of G is 16.66% of his monthly income. G spends 35% of his expenses on Food and 40% of remaining spend on Education and remaining on House rent. Find the difference between G's savings and his expenses on Rent.

Options :

1. Rs.2100
2. Rs.1900
3. Rs.1650
4. Rs.1780
5. None of these

Answer : Rs.1900

Difference between expenses of B and D = $(30000 - 10000) - (15000 - 5000) = \text{Rs.}10000$

Expenditure of G = Rs. 10000

G spends on Food = $10000 \times (35/100) = \text{Rs.}3500$

G spends on Education = $6500 \times (40/100) = \text{Rs.}2600$

G spends on House rent = $6500 - 2600 = \text{Rs.}3900$

Savings of G/ Income of G = $1/6$

Expenditure of G = $6 - 1 = 5$

Now, 5 ----- 10000

=> 1 ----- 2000

Difference between G's savings and his expenses on Rent = $3900 - 2000 = \text{Rs.} 1900$

Question No. 64

E spends 25% of his expenses on Travelling and he spend remaining expense amount on Household and Education. Expenses on Household are 550% more than that of spent on Education. Find E's annual expenses on Education.

Options :

1. Rs.27600
2. Rs.27800
3. Rs.27540
4. Rs.27200
5. Rs.27150

Answer : Rs.27600

Expenditure of E = 35000 – 12000 = Rs.23000

E spends on Travelling = 23000 × (25/100) = Rs.5750

E spends on Household and Education = 23000 × (75/100) = Rs.17250

Expenses on Household/ Expenses on Education = 13/2

Now, 15 (13 + 2) ----- 17250

=> 2 ----- (17250/15) × 2 = 2300

E's annual expense on Education = 2300 × 12 = Rs.27600

Question No. 65

Find the ratio between the expenditure of C and the expenditure of D.

Options :

1. 19:20
2. 51:35
3. 39:40
4. 23:30
5. None of these

Answer : 39:40

Required ratio = (27500 – 8000) : (30000 – 10000) = 39:40

Question No. 66

The savings of D is approximately how much percent of the Income of B?

Options :

1. 74%
2. 48%
3. 53%
4. 67%
5. 80%

Answer : 67%

Required % = $(10000/15000) \times 100 = 67\%$ approx.

Direction:- Study the following information carefully and answer the given questions:

The given data is regarding the three companies selling certain masks at certain price.

Company A: Number of mask sold by company A is 100. C.P of per mask is Rs.20. 40% mask sold at 20% profit and remaining at 10% profit.

Company B: Number of mask sold by company B is 150. C.P of per mask is Rs.48. Mask is marked up by 50% and sold at discount of 10%.

Company C: Total money received by selling all masks is Rs.10800. Selling price of each mask is Rs.100. Profit earned on selling per mask is 25%.

Question No. 67

Number of mask sold by company A and C is what percentage of company B?

Options :

1. $121\frac{1}{3}\%$
2. $125\frac{4}{5}\%$
3. $130\frac{3}{4}\%$
4. $138\frac{2}{3}\%$
5. None of these

Answer : $138\frac{2}{3}\%$

Required % = $[(100+108)/150] \times 100 = 138\frac{2}{3}\%$

Question No. 68

Difference between discount offered by Company B and cost of Company A.

Options :

1. Rs.910
2. Rs.920
3. Rs.930
4. Rs.950
5. None of these

Answer : Rs.920

MP by Company B = $48 \times (150/100) = \text{Rs.}72$

Discount offered by Company B = $72 \times (10/100) = \text{Rs.}7.2$

Discount on 150 masks = $150 \times 7.2 = \text{Rs.}1080$

Cost of Company A = $20 \times 100 = \text{Rs.}2000$

Required difference = $2000 - 1080 = \text{Rs.}920$

Question No. 69

Find the total Cost Price of masks for all the companies together.

Options :

1. Rs.17840
2. Rs.16440
3. Rs.17280
4. Rs.17740
5. None of these

Answer : Rs.17840

Cost Price of Company A = $20 \times 100 = \text{Rs.}2000$

Cost Price of Company B = $48 \times 150 = \text{Rs.}7200$

For company C,

=> 5 ----- 100 (SP)

=> 4 ----- 80 (CP)

Cost Price of Company C = $80 \times 108 = \text{Rs.}8640$

Required sum = $2000 + 7200 + 8640 = \text{Rs. } 17840$

Question No. 70

What is the total amount received by selling masks by all the companies?

Options :

1. Rs.27040
2. Rs.22800
3. Rs.23200
4. Rs.21400
5. None of these

Answer : Rs.22800

For company A,

40% of mask sold at 20% profit = $40 \times 24 = \text{Rs. } 960$

60% of mask sold at 10% profit = $60 \times 22 = \text{Rs. } 1320$

Total SP = $960 + 1320 = \text{Rs. } 2280$

For company B,

MP by Company B = $48 \times (150/100) = \text{Rs. } 72$

Discount offered by Company B = $72 \times (10/100) = \text{Rs. } 7.2$

Now, $72 - 7.2 = \text{Rs. } 64.8$

SP of Company B = $64.8 \times 150 = 9720$

For company C,

SP Company C = Rs.10800

Required sum = $2280 + 9720 + 10800 = \text{Rs. } 22800$

Question No. 71

40% mask from company A purchased by men. 30% of mask from company B purchased by men.

Find the difference between the mask purchased by women from company A and B.

Options :

1. 30
2. 15
3. 45
4. 35
5. 21

Answer : 45

Number of mask purchased by women from company A = $100 \times (60/100) = 60$

Number of mask purchased by women from company B = $150 \times (70/100) = 105$

Required difference = $105 - 60 = 45$

Direction: - Study the following information carefully and answer the given questions:

The table shows the total number of vehicles travelled and difference between the number of Public vehicles and Private vehicles travelled in the given five years.

Total Vehicles = Public + Private

YEAR	TOTAL VEHICLES	PUBLIC - PRIVATE
2011	850	250
2012	1050	250
2013	1100	400
2014	800	200
2015	1200	400

Question No. 72

Number of Private vehicles travelled in 2013 is what percent of the Private vehicles travelled in 2014.

Options :

1. 128.66%
2. 104.66%
3. 116.66%
4. 166.66%
5. None of these

Answer : 116.66%

To find the larger value we use the formula i.e. (Sum + Difference)/2.

Public vehicles travelled in 2013 = $(1100+400)/2 = 750$

Private vehicles travelled in 2013 = $1100 - 750 = 350$

Public vehicles travelled in 2014 = $(800+200)/2 = 500$

Private vehicles travelled in 2014 = $800 - 500 = 300$

Required % = $(350/300) \times 100 = 116.66\%$

Question No. 73

If 30% of the male travelled in Public vehicles in 2015, then find the number of females travelled in Public vehicles in the same year.

Options :

1. 520
2. 560
3. 540
4. 580
5. None of these

Answer : 560

Public vehicles travelled in 2015 = $(1200+400)/2 = 800$

Number of females travelled in Public vehicles = $(70/100) \times 800 = 560$

Question No. 74

Find the ratio between the Private vehicles travelled in 2012 and the Public vehicles travelled in 2013.

Options :

1. 5:4
2. 3:11
3. 7:10
4. 8:15
5. 2:5

Answer : 8:15

Public vehicles travelled in 2012 = $(1050+250)/2 = 650$

Private vehicles travelled in 2012 = $1050 - 650 = 400$

Public vehicles travelled in 2013 = $(1100+400)/2 = 750$

Required ratio = $400:750 = 8:15$

Question No. 75

Find the average of Public vehicles travelled in 2012, 2014 and 2015.

Options :

1. 540
2. 760
3. 510
4. 650
5. 700

Answer : 650

Public vehicles travelled in 2012 = $(1050+250)/2 = 650$

Public vehicles travelled in 2014 = $(800+200)/2 = 500$

Public vehicles travelled in 2015 = $(1200+400)/2 = 800$

Required average = $(650 + 500 + 800)/3 = 650$

Question No. 76

Private vehicles travelled in 2011 are approximately what percent less than the Private vehicles travelled in 2013?

Options :

1. 21%
2. 13%
3. 9%
4. 7%
5. 14%

Answer : 14%

Public vehicles travelled in 2011 = $(850+250)/2 = 550$

Private vehicles travelled in 2011 = $850 - 550 = 300$

Public vehicles travelled in 2013 = $(1100+400)/2 = 750$

Private vehicles travelled in 2013 = $1100 - 750 = 350$

Required % = $[(350 - 300)/350] \times 100 = 14\%$ approx.

Question No. 77

Two trains 180 metres and 120 metres in length are running towards each other on parallel tracks, one at the rate 42 km/hr and another at 30 km/hr. In how many seconds will they be clear of each other from the moment they meet?

Options :

1. 12 seconds
2. 10 seconds
3. 15 seconds
4. 6 seconds
5. 11 seconds

Answer : 15 seconds

Required time = Sum of the lengths of trains / Relative speed

Relative speed = $42 + 30 = 72 \text{ kmph} = (72 \times 5)/18 = 20 \text{ m/sec}$

Required time = $(180 + 120)/20 = 300/20 = 15 \text{ seconds}$

Question No. 78

B invests 30% of his monthly salary on Travelling and 20% of remaining on Food. Again, he invested 15% of the remaining (after travelling and food expenses) on Rent. If he invested Rs. 2,800 on Rent and Food, then find his monthly salary.

Options :

1. 14800
2. 23000
3. 15000
4. 12500
5. None of these

Answer : 12500

Let monthly salary of B = $100x$

Amount invested on Travelling = $(30/100) \times 100x = 30x$

Remaining amount = $100x - 30x = 70x$

Amount invested on Food = $(20/100) \times 70x = 14x$

Remaining amount = $70x - 14x = 56x$

Amount invested on Rent = $(15/100) \times 56x = 8.4x$

ATQ,

$$\Rightarrow (14x + 8.4x) = 2800$$

$$\Rightarrow x = 125$$

Therefore monthly salary of B = $100 \times 125 = \text{Rs. } 12,500$

Question No. 79

In a group of 8 boys and 7 girls, 5 students have to be selected. In how many ways it can be done so that only 2 boys are included.

Options :

1. 970
2. 960
3. 900
4. 980
5. None of these

Answer : 980

$$\Rightarrow {}^8C_2 \times {}^7C_3 = [8!/(8-2)! 2!] \times [7!/(7-3)! 3!]$$

$$\Rightarrow [8!/6! 2!] \times [7!/4! 3!]$$

$$\Rightarrow 980 \text{ ways}$$

Question No. 80

A boat takes $\frac{1}{11}$ th time in moving a certain distance downstream than upstream. The ratio of the speed of the boat in still water and that of the current is

Options :

1. 5:4
2. 6:5
3. 11:9
4. 13:11
5. None of these

Answer : 6:5

Let the speed of boat in still water = x km/hr,

and Speed of current = y km/hr

Rate downstream = $(x + y)$ km/hr, and Rate upstream = $(x - y)$ km/hr

Distance = Speed $\times$ Time

$$\therefore (x - y) \times 11t = (x + y) \times t$$

$$\Rightarrow 11x - 11y = x + y$$

$$\Rightarrow 11x - x = 11y + y$$

$$\Rightarrow 10x = 12y$$

$$\Rightarrow x/y = 12/10 = 6 : 5$$

General Awareness

Question No. 81

What is the full form HAM?

Options :

1. Hybrid Annuity Mode
2. Hybrid Annual Mode
3. Hybrid Annuity Method
4. Hybrid Annuity Model
5. None of these

Answer : Hybrid Annuity Model

The Government has approved the hybrid annuity model (HAM) a mix of the EPC (engineering, procurement and construction) and BOT (build, operate, transfer) models for building National Highways (NH) to speed up the construction of roads in the country. 40% the Project Cost is to be provided by the Government and the balance 60% as annuity payments over the operations period.

Question No. 82

_____ country has become India's largest export destination in the financial year 2021?

Options :

1. United Arab Emirates
2. United States of India
3. China
4. Hongkong
5. Bangladesh

Answer : United States of India

USA has topped the position as per the Central Government Data, China replaced UAE on the second position and UAE at third, followed by Hongkong and Bangladesh.

Question No. 83

The minimum investment limit set by the RBI (Reserve bank of India) for the Sovereign Gold Bonds?

Options :

1. 1 gram gold
2. 2 gram gold
3. 3 gram gold
4. 4 gram gold
5. No limit

Answer : 1 gram gold

The minimum initial investment is 1 gram of gold, and the upper limit is 4 Kg of gold per investor . For entities such as trusts and universities, 20 Kg of gold is permissible.

Question No. 84

For setting up a New Umbrella Entity (NUE) how much minimum capital is required?

Options :

1. Rs 500 crore
2. Rs 700 crore
3. Rs 400 crore
4. Rs 600 crore
5. Rs 800 crore

Answer : Rs 500 crore

The umbrella entity shall have a minimum paid-up capital of Rs. 500 crore.

Question No. 85

For the SHG(Self Help Groups) how much maximum loan amount is provided under DAY -NRLM scheme ?

Options :

1. 10 Lakh
2. 20 Lakh
3. 25 Lakh
4. 30 Lakh
5. 40 Lakh

Answer : 20 Lakh

On 9 August, 2021 the loan amount has been increased from 10 lakh to 20 lakh.

Question No. 86

RBI has changed its accounting year from June - July to _____?

Options :

1. January - February
2. February - March
3. April - March
4. October - September
5. None of these

Answer : April – March

To make the accounting year equal/same to the financial year it changed the year from June - July to April - March.

Question No. 87

The UAE Emirates Mars Mission the "Hope Probe Mission" was launched from which country?

Options :

1. China
2. Dubai
3. Japan
4. Korea
5. Russia

Answer : Japan

The Hope Probe Mission to Mars was launched on 19 July 2020 and went into orbit around Mars on 9 February 2021. This day the United Arab Emirates became the first Arab country and the fifth country to reach Mars and the second country to successfully enter Mars' orbit on its first try. It is being carried out by a team of Emirati engineers in collaboration with foreign research institutions, and is a contribution towards a knowledge-based economy in the UAE.

Question No. 88

India's rank in Global Cybersecurity Index for the year 2020?

Options :

1. 10th
2. 20th
3. 23rd
4. 22nd
5. 15th

Answer : 10th

India ranked tenth 10th in Global Cybersecurity Index (GCI) 2020 by ITU (International Telecommunication Union) by moving up 37 places. This was declared on the sixth anniversary of Digital India on 1st July.

USA topped the first position, UK and UAE in the same position on second.

Question No. 89

What is the validity period for Kisan Credit Card?

Options :

1. Five years
2. Four years
3. Seven years
4. Three years
5. None of these

Answer : Five years

It is valid for five years.

Question No. 90

The Pradhna Mantri Garib Kalyan Ann Yojana (PMGKAY) was extended for how many months by the Central Government till November 2021 to distribute free wheat and rice to the public?

Options :

1. Seven
2. Twelve
3. Eight
4. Five
5. Six

Answer : Five

The scheme was extended for 5 months until November 2021 to cater around 80 crore citizens of India. Under this scheme the government is distributing 5kg of food grains per person per month covered under National Food Security Act(NFSA).

Question No. 91

Name the new district which bifurcated from the Sangrur district of Punjab and became the 23rd district of the state?

Options :

1. Moga
2. Rupnagar
3. Mansa
4. Malerkotla
5. None of these

Answer : Malerkotla

Malerkotla was formed by carving the only Muslim majority from Sangrur district.

Question No. 92

The Public sector banks offered how much unsecured loan for the treatment of covid 19 patients?

Options :

1. Rs 2 lakh
2. Rs 2.5 lakh
3. Rs 5 lakh
4. Rs 7 lakh
5. Rs 10 Lakh

Answer : Rs 5 lakh

Public Sector Banks have announced to provide unsecured loans of upto ₹5 lakh to COVID-19 treatment patients which will be repayable in 5 years and banks are free to decide their interest rate and also SBI would charge interest of 8.5% on annum.

Question No. 93

Recently which Indian- American has become the youngest ever chess grandmaster?

Options :

1. Abhimanyu Mishra
2. Vishwanathan Anand
3. Parimarjan Negi
4. Dommaraju Gukesh
5. None of these

Answer : Abhimanyu Mishra

Abhimanyu Mishra, who is 12 years old, attained this position by making the record after winning his June 30 game against 15-year-old Leon Luke Mendonca.

Question No. 94

The Indian Gujarati swimmer Maana Patel is famous for her _____ style swimming?

Options :

1. Freestyle
2. Backstroke
3. Butterfly
4. Sidestroke
5. Breaststroke

Answer : Backstroke

Maana Patel is an Indian backstroke swimmer from Ahmedabad, Gujarat. She represented India at the 2020 Tokyo Olympic Games.

Question No. 95

What is the current interest rate received on the NSC(National Savings Certificate) scheme?

Options :

1. 7.5%
2. 5.9%
3. 6.2%
4. 6.8%
5. 6.4%

Answer : 6.8%

The National Savings Certificate is a fixed income investment scheme that you can open easily with any post office. It provides guaranteed interest and complete capital protection and also sometimes public provident fund and post office FD's.

Question No. 96

The Institute of Chartered Accountants of India set up by an act of parliament to regulate the profession of Chartered Accountants in India in the year_____.

Options :

1. 1951
2. 1940
3. 1956
4. 1949
5. 1942

Answer : 1949

The act was enacted on 1 May, 1949.

Question No. 97

In the Budget 2021 the residency limit for an Indian citizen to set up OPC is reduced to 120 days from 182 days, what does OPC stand for?

Options :

1. On Personal Corporation
2. One Person Corporation
3. One Person Company
4. One Personal Corporation
5. On Point Company

Answer : One Person Company

OPC - One Person Company

Question No. 98

When is Hiroshima Day celebrated in India?

Options :

1. 7 August
2. 6 September
3. 6 August
4. 5 August
5. 10 August

Answer : 6 August

The day marks the anniversary of the atomic bombing naming "Little Boy" was dropped by United States in Hiroshima in Japan during World War II on August 6, 1945.

Question No. 99

How much minimum CAR(Capital AdequacyRatio) is required to be maintained by Small Finance Banks?

Options :

1. 20%
2. 15%
3. 10%
4. 25%
5. 30%

Answer : 15%

To avoid risk of a small finance bank, a minimum capital adequacy ratio of 15 % of its risk weighted assets (RWA) is to be maintained.

Question No. 100

In the list of 100 Most Powerful Women Forbes 2020 the finance minister Nirmala Sitharaman secured the position at?

Options :

1. 39th
2. 41st
3. 50th
4. 27th
5. 33rd

Answer : 41st

Finance Minister Nirmala Sitharaman has made it to the list of the world's 100 most powerful women by Forbes. She ranked 41st in 2020 and 34 positions in 2019.

Question No. 101

Recently the Government has extended the Phase II of the FAME INDIA scheme for how many years?

Options :

1. Two years
2. Five years
3. Three years
4. Four years
5. Ten years

Answer : Two years

The scheme was launched from 2019 to 31st March 2022. To prevent the use of petrol and diesel-type vehicles it was an integral part of the national electric mobility mission plan, and necessary charging infrastructure will also be set up for electric vehicles.

The government has extended the FAME II scheme for 2 years. Now, this scheme will be applicable till 31st March 2024.

Question No. 102

Ramsar Wetlands Convention marks _____ anniversary for the year 2021?

Options :

1. 50th
2. 51st
3. 49th
4. 58th
5. 60th

Answer : 50th

2021 marks the 50th anniversary of the Ramsar Convention, the intergovernmental treaty which commits countries to the 'wise use' of wetlands, to list and manage special sites, and to cooperate on transboundary wetlands and species.

Question No. 103

RBI has revised the ATM interchange fees in June 2021 from Rs 15 to?

Options :

1. Rs 16
2. Rs 14
3. Rs 17
4. Rs 19
5. No change

Answer : Rs 17

The fees has been increased from Rs 15 to Rs 17 for financial transactions and from Rs 5 to Rs 6 for non-financial transactions.

Question No. 104

How many Banking Ombudsman Office/s does RBI have in India?

Options :

1. 19
2. 20
3. 11
4. 18
5. None of these

Answer : 20

There are 20 Banking Ombudsman offices of RBI in India.

Question No. 105

_____ ministry has partnered with the Ministry of Food Processing Industries to provide working capital requirements for Pradhan Mantri Formalization of Micro Food Processing Enterprises Scheme.

Options :

1. Ministry of Rural Development
2. Ministry of Agriculture and Farmers' Welfare
3. Ministry of Chemicals and Fertilizers
4. Ministry of Health and Family Welfare
5. None of these

Answer : Ministry of Rural Development

Under this scheme major working capital is provided to Self Help Groups (SFG) member with Rs 40,000 per person.

Question No. 106

The hornbill festival is celebrated in _____

Options :

1. Tripura
2. Nagaland
3. Manipur
4. Telangana
5. None of these

Answer : Nagaland

It is celebrated every year 1 to 10 December. It is celebrated to revive, protect and sustain the Naga culture and traditions in the state. It is called hornbill due to a bird hornbill which is considered as a symbol of "respect" and has found its mention in the folklore of most of the state's tribes.

Question No. 107

Which one of the following is not a Kharif crop ?

Options :

1. Groundnut
2. Maize
3. Linseed
4. Paddy
5. None of these

Answer : Linseed

Question No. 108

On 2nd May, 2021 the Reserve Bank of India extended the tenure for restructuring loan benefits to Rs _____?

Options :

1. 100 crore
2. 50 crore
3. 75 crore
4. 60 crore
5. 70 crore

Answer : 50 crore

The RBI expanded the coverage of Resolution Framework 2.0 by doubling the maximum aggregate exposure threshold to Rs 50 crore for MSMEs, non-MSME small businesses and individuals for business purposes.

Question No. 109

Dvara E-Dairy partners with which company for AI powered ID tag for the Insurance on Cattle?

Options :

1. HDFC ERGO
2. EVER TRUST INSURANCE CONSULTANT
3. Agriculture Insurance Company Of India Limited
4. IFFCO Tokio General Insurance.
5. None of these

Answer : IFFCO Tokio General Insurance.

Dvara E-Dairy Solutions, a portfolio company of Dvara Holdings has launched an artificial intelligence (AI) led digital tag 'Surabhi e-Tag' to provide cattle based insurance products offered in partnership with IFFCO Tokio General Insurance.

Question No. 110

Who is the writer of the book 'The Alchemist'?

Options :

1. Hilary Mantel
2. Alice Walker
3. Margaret Atwood
4. Paulo Coelho
5. None of these

Answer : Paulo Coelho

The Alchemist is a novel by Brazilian author Paulo Coelho which was first published in 1988. Originally written in Portuguese, later on translated. The Alchemist follows a young Andalusian shepherd in his journey to the pyramids of Egypt, after having a recurring dream of finding a treasure there.

Question No. 111

In the Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) scheme, how much maturity/survival benefit is provided?

Options :

1. Rs 10 lakh
2. Rs 5 Lakh
3. Rs 15 Lakh
4. Rs 1 Lakh
5. No such benefit is provided

Answer : No such benefit is provided

No benefit/payout is offered at maturity of the policy.

Question No. 112

To resolve bad loans within a period of five years the Finance Minister of India Shri. Nirmala Sitharaman has set up a company naming?

Options :

1. IDRCL
2. NARCL
3. ICRA
4. CARE
5. None of these

Answer : NARCL

Question No. 113

Facebook launched publishing tools for independent writers to support the creators in USA.

Options :

1. Calameo
2. Zite
3. Atavist
4. Bulletin
5. None of these

Answer : Bulletin

Bulletin will support the content creation, monetisation and audience growth. It will also unify the existing tools with something that could more directly support great writing and audio content.

Question No. 114

As per the revised Companies Rules 2021, what is the maximum turnover limit for medium scale companies ?

Options :

1. ₹ 50 crore
2. ₹ 10 crore
3. ₹ 5 crore
4. ₹ 250 crore
5. ₹ 100 crore

Answer : ₹ 250 crore

In accordance with Atma Nirbhar Bharat Package declared on 13th May, 2020. The new norms come into effect from 1st July, 2020. The limit of small units was increased to Rs. 10 Crore of investment and Rs 50 Crore of turnover. Similarly, the limit of medium units was increased to Rs. 50 Crore of investment and Rs. 250 Crore of turnover.

Question No. 115

On 29th June every year which of the following days is being observed?

Options :

1. International Olympics Day
2. International Yoga Day
3. World Music Day
4. World Refugee Day
5. National Statistics Day

Answer : National Statistics Day

The Statistics Day is celebrated in India to commemorate the birth anniversary of Prasanta Chandra Mahalanobis. He is a world-renowned statistician and acclaimed for his contributions in the field of economic planning and statistical development.

Question No. 116

Which is the correct statement/s about the Top 5 cities of Global Liveability Index for the year 2021?

Options :

1. There were two cities from New Zealand.
2. There were two cities from Japan.
3. There was one city from Australia.
4. All are correct
5. None of them is correct

Answer : All are correct

*The city topped the list was from New Zealand Auckland, (96.0).
Then second one was Osaka, Japan (94.2)
Third one was Adelaide, Australia (94.0)
Fourth one Wellington, New Zealand (93.7)
And the fifth one was Tokyo, Japan (93.7)*

Question No. 117

How much percent(%) loan is provided to the agriculture sector under the RIDF by NABARD in the year 2020?

Options :

1. 75%
2. 60%
3. 45%
4. 55%
5. 80%

Answer : 80%

Question No. 118

What is the age limit to enter into Deen Dayal Upadhyaya Grameen Kaushalya Yojana?

Options :

1. 25 - 30 years
2. 15 - 35 years
3. 25 - 40 years
4. 20 - 35 years
5. None of these

Answer : 15 - 35 years

The aim is to create income diversity in poor families and help rural youth realize their career aspirations.

Question No. 119

In 1960, Olympics Milkha Singh participated and represented India, where did the Olympics held in that year?

Options :

1. Mexico
2. Rome
3. Barcelona
4. Tokyo
5. Los Angeles

Answer : Rome

Milkha Singh (Flying Sikh) nearly won a 400m medal at the 1960 Rome Olympics but ultimately missed out.

Question No. 120

Where in India the Nehru Memorial Museum and Library?

Options :

1. Maharashtra
2. New Delhi
3. Kolkata
4. Uttar Pradesh
5. None of these

Answer : New Delhi

Nehru Memorial Museum and Library was established in 1964 in the memory of Jawaharlal Nehru. The objective of preserving, recollecting and reconstructing the history of the anti-imperialist struggle in India.

English Language

Direction:- Read the passage and answer the following questions.

Seeing India's looming water crisis through the locus of 'urban' and 'rural' not only allows a better grasp of the causative factors but also enables a stronger grip on the strategies to be deployed to reverse the water crisis. Fundamental to this is a preliminary understanding of the sources from which the country draws water to meet its varying needs. In the rural areas, 80%-90% of the drinking water and 75% of the water used for agriculture is drawn from groundwater sources. In urban areas, 50%-60% of the water supply is drawn from groundwater sources, whereas the remaining is sourced from surface water resources such as rivers, often located afar, in addition to lakes, tanks and reservoirs.

According to the composite water management index released by the think tank NITI Aayog in 2019, 21 major cities (including Delhi, Bengaluru, Chennai, Hyderabad) were on the brink of **exhausting** groundwater resources, affecting about 100 million people. The study also points out that by 2030, the demand for water is projected to be twice the available supply.

A significant, and by no means less worrying, example of the water crisis that unfolded before our eyes was in Chennai in 2019, where life came to a standstill and parts of the city went without piped water for months. Many have cited the poor rainfall received in Chennai in the previous year as one of the main reasons for the water crisis. Though it is true, the chief factor is that the city has been built by incrementally encroaching floodplains and paving over lakes and wetlands that would have otherwise helped the process of recharging groundwater. The lack of space for water to percolate underground prevented rainwater from recharging the aquifers. This was further exacerbated by the loss of green cover (which would have otherwise helped water retention) to make way for infrastructure projects. Such a situation, on the one hand, leads to flooding during normal rainfall due to stagnation, and on the other hand leads to drought-like conditions due to the prevention of underground water storage.

If the Government is serious about addressing the water crisis in urban areas, the Ministry of Water Resources must reconfigure its relationship with other Ministries and Departments (Urban Development, Local Self-Government and Environment). This would be for enhanced integration

and coordination through effective land and water zoning regulations that protect urban water bodies, groundwater sources, wetlands and green cover while simultaneously working to enhance waste water recycling and water recharge activities targeting aquifers and wells through rainwater harvesting.

In rural areas, the situation is no different, as the acute water crisis in Punjab shows. The draft report of the Central Ground Water Board concluded that Punjab would be reduced to a desert in 25 years if the extraction of its groundwater resources continues **unabated**; 82% of Punjab's land area has seen a huge decline in groundwater levels, wherein 109 out of 138 administrative blocks have been placed in the 'over exploited' category.

Concomitantly, cultivation of water intensive crops such as paddy have further aggravated water depletion, even turning water saline. Immediate measures need to be taken to manage and replenish groundwater, especially through participatory groundwater management approaches with its combination of water budgeting, aquifer recharging and community involvement.

The Ministry of Jal Shakti, last year, had announced an ambitious plan to provide water connections to every household in India by 2024. In view of the ongoing erosion of water resources and an ever-increasing demand for water, the thrust should not be on promising water supply. Instead the aim should be towards protecting and conserving water resources on the one hand and minimising and enhancing efficiency of water usage on the other.

Question No. 121

In urban areas, what percentage of water supply is drawn from sources other than ground water?

Options :

1. 40%- 50%
2. 50%-60%
3. 80%-90%
4. Around 75%
5. 25%

Answer : 40%- 50%

It is said in the passage that "In urban areas, 50%-60% of the water supply is drawn from groundwater sources, whereas the remaining is sourced from surface water resources such as rivers, often located afar, in addition to lakes, tanks and reservoirs." So, 40%-50% is from sources other than ground water.

Question No. 122

Which of the following is correctly mentioned in the composite water management index released by NITI Aayog in 2019?

- (i) 21 major cities were facing water crisis because of exhausted groundwater and other water sources.
- (ii) The water crisis in major cities will affect around 100 million people.
- (iii) By 2030, the available supply of water would be twice the demand for water.

Options :

- 1. ii and iii
- 2. i and ii
- 3. Only ii
- 4. i, ii and iii
- 5. None of these

Answer : Only ii

i- the index only talks about groundwater resources.

ii- this is correct.

iii- it is the other way round. The demand for water would be twice the available supply.

Question No. 123

Which city in India is mentioned in the passage that has been a worrying example of the water crisis?

Options :

1. Delhi
2. Mumbai
3. Hyderabad
4. Bengaluru
5. Chennai

Answer : Chennai

In the passage, it is mentioned that "A significant, and by no means less worrying, example of the water crisis that unfolded before our eyes was in Chennai in 2019, where life came to a standstill and parts of the city went without piped water for months."

Question No. 124

What is the main reason for the water crisis in Chennai?

Options :

1. poor rainfall in the remote parts of Chennai.
2. the growth of green cover, which prevents water retention.
3. the loss of infrastructure projects.
4. lack of space for water to percolate underground.
5. All of these

Answer : lack of space for water to percolate underground.

In the passage, it is stated that “Though it is true, the chief factor is that the city has been built by incrementally encroaching floodplains and paving over lakes and wetlands that would have otherwise helped the process of recharging groundwater. The lack of space for water to percolate underground prevented rainwater from recharging the aquifers.”

A is correct, but is not the main reason.

B and C are incorrect.

Question No. 125

What is the main reason for the water crisis in Punjab?

Options :

1. loss of green cover.
2. unplanned infrastructure.
3. over exploitation of ground water resources.
4. construction of buildings in flood-prone areas.
5. All of these

Answer : over exploitation of ground water resources.

In the passage, it is stated that “In rural areas, the situation is no different, as the acute water crisis in Punjab shows. ... if the extraction of its groundwater resources continues unabated; 82% of Punjab’s land area has seen a huge decline in groundwater levels, ...”

Question No. 126

What should the government aim to reduce the ongoing erosion of water resources and an ever-increasing demand for water?

- (i) the government should promise water supply to every household in India.
- (ii) the government should protect and conserve water resources.
- (iii) minimise and enhance the efficiency of water usage.
- (iv) extract groundwater as much as possible instead of depending on other water sources.

Options :

- 1. Only i
- 2. ii and iii
- 3. iii and iv
- 4. i, ii and iv
- 5. i, ii, iii and iv

Answer : ii and iii

- i- this is not correct as is mentioned in the statement "In view of the ongoing erosion of water resources and an ever-increasing demand for water, the thrust should not be on promising water supply."*
- ii- and iii are correct.*
- iii- is wrong.*

Question No. 127

Which of the following statement is not true according to the passage?

Options :

- 1. In India, rural areas do not face water crisis, but urban areas face severe crisis.
- 2. In urban areas, 50%-60% of the water supply is drawn from groundwater sources.
- 3. Many people have cited the poor rainfall received in Chennai in the previous year as one of the main reasons for the water crisis.
- 4. The Ministry of Jal Shakti had announced a plan to provide water connections to every household in India by 2024.
- 5. The cultivation of water intensive crops such as paddy have further aggravated water depletion and has even turned water saline.

Answer : In India, rural areas do not face water crisis, but urban areas face severe crisis.

A is incorrect because water crisis is faced by the urban and rural population in India.

Question No. 128

Which of the following is a near antonym of the word 'exhaust' used in the passage?

Options :

1. recognise
2. restrain
3. receive
4. regret
5. replenish

Answer : replenish

The word 'exhaust' here means 'to use up'.

The word 'replenish' means 'to fill something up again'.

Question No. 129

Which of the following is a near synonym of the word 'unabated'?

Options :

1. inexorable
2. inappropriate
3. incapable
4. inexpensive
5. intake

Answer : inexorable

The word 'unabated' means 'without weakening in strength or force'.

The word 'inexorable' means 'continuing without any possibility of being stopped'.

Question No. 130

Which of the following is the fifth sentence of the passage?

- a) From a dedicated space for book lovers, the Visakhapatnam Public Library today endeavours to create an ecosystem that fosters an active exchange of ideas.
- b) In its renovated avatar, the library is a refreshing example of the changing space and role of libraries in India.
- c) This is done by hosting a guest lecture every month with imminent personalities and achievers and conducting various programmes for these aspirants such as monthly quizzes.
- d) A splodge of greens greets the eye as you enter the Visakhapatnam Public Library through the narrow lanes of Dwarkanagar.
- e) The library will also be adding 10,000 books to its present collection of 60,000 titles in a month's time.
- f) It also supports the career aspirations of young minds and create a community for senior citizens.

Options :

- 1. d
- 2. f
- 3. e
- 4. c
- 5. a

Answer : c

*The correct order of the sentences is **d, b, a, f, c** and **e**.*

*Here, **a** seems to be the first sentence of the passage, but when we look at **d**, it is most suitable to be the introductory statement. It is followed by **b** and **a** is the third sentence of the passage and follows **b**. It is followed by **f** and **f** is followed by **c** because in **c**, 'these aspirants' is mentioned. **e** will be the last sentence of the passage.*

Question No. 131

Which of the following is the first sentence of the passage?

- (a) From a dedicated space for book lovers, the Visakhapatnam Public Library today endeavours to create an ecosystem that fosters an active exchange of ideas.
- (b) In its renovated avatar, the library is a refreshing example of the changing space and role of libraries in India.
- (c) This is done by hosting a guest lecture every month with imminent personalities and achievers and conducting various programmes for these aspirants such as monthly quizzes.
- (d) A splodge of greens greets the eye as you enter the Visakhapatnam Public Library through the narrow lanes of Dwarkanagar.
- (e) The library will also be adding 10,000 books to its present collection of 60,000 titles in a month's time.
- (f) It also supports the career aspirations of young minds and create a community for senior citizens.

Options :

- 1. f
- 2. a
- 3. c
- 4. e
- 5. d

Answer : d

*The correct order of the sentences is **d, b, a, f, c** and **e**.*

*Here, **a** seems to be the first sentence of the passage, but when we look at **d**, it is most suitable to be the introductory statement. It is followed by **b** and **a** is the third sentence of the passage and follows **b**. It is followed by **f** and **f** is followed by **c** because in **c**, 'these aspirants' is mentioned. **e** will be the last sentence of the passage.*

Question No. 132

Which of the following is the sixth (last) sentence of the passage?

- (a) From a dedicated space for book lovers, the Visakhapatnam Public Library today endeavours to create an ecosystem that fosters an active exchange of ideas.
- (b) In its renovated avatar, the library is a refreshing example of the changing space and role of libraries in India.
- (c) This is done by hosting a guest lecture every month with imminent personalities and achievers and conducting various programmes for these aspirants such as monthly quizzes.
- (d) A splodge of greens greets the eye as you enter the Visakhapatnam Public Library through the narrow lanes of Dwarkanagar.
- (e) The library will also be adding 10,000 books to its present collection of 60,000 titles in a month's time.
- (f) It also supports the career aspirations of young minds and create a community for senior citizens.

Options :

- 1. c
- 2. e
- 3. a
- 4. d
- 5. f

Answer : e

The correct order of the sentences is d, b, a, f, c and e.

Here, a seems to be the first sentence of the passage, but when we look at d, it is most suitable to be the introductory statement. It is followed by b and a is the third sentence of the passage and follows b. It is followed by f and f is followed by c because in c, 'these aspirants' is mentioned. e will be the last sentence of the passage.

Question No. 133

Which of the following is the fourth sentence of the passage?

- (a) From a dedicated space for book lovers, the Visakhapatnam Public Library today endeavours to create an ecosystem that fosters an active exchange of ideas.
- (b) In its renovated avatar, the library is a refreshing example of the changing space and role of libraries in India.
- (c) This is done by hosting a guest lecture every month with imminent personalities and achievers and conducting various programmes for these aspirants such as monthly quizzes.
- (d) A splodge of greens greets the eye as you enter the Visakhapatnam Public Library through the narrow lanes of Dwarkanagar.
- (e) The library will also be adding 10,000 books to its present collection of 60,000 titles in a month's time.
- (f) It also supports the career aspirations of young minds and create a community for senior citizens.

Options :

1. d
2. f
3. e
4. c
5. a

Answer : f

*The correct order of the sentences is **d, b, a, f, c** and **e**.*

*Here, **a** seems to be the first sentence of the passage, but when we look at **d**, it is most suitable to be the introductory statement. It is followed by **b** and **a** is the third sentence of the passage and follows **b**. It is followed by **f** and **f** is followed by **c** because in **c**, 'these aspirants' is mentioned. **e** will be the last sentence of the passage.*

Question No. 134

Which of the following is the third sentence of the passage?

- (a) From a dedicated space for book lovers, the Visakhapatnam Public Library today endeavours to create an ecosystem that fosters an active exchange of ideas.
- (b) In its renovated avatar, the library is a refreshing example of the changing space and role of libraries in India.
- (c) This is done by hosting a guest lecture every month with imminent personalities and achievers and conducting various programmes for these aspirants such as monthly quizzes.
- (d) A splodge of greens greets the eye as you enter the Visakhapatnam Public Library through the narrow lanes of Dwarkanagar.
- (e) The library will also be adding 10,000 books to its present collection of 60,000 titles in a month's time.
- (f) It also supports the career aspirations of young minds and create a community for senior citizens.

Options :

1. f
2. d
3. a
4. c
5. e

Answer : a

*The correct order of the sentences is **d, b, a, f, c** and **e**.*

*Here, **a** seems to be the first sentence of the passage, but when we look at **d**, it is most suitable to be the introductory statement. It is followed by **b** and **a** is the third sentence of the passage and follows **b**. It is followed by **f** and **f** is followed by **c** because in **c**, 'these aspirants' is mentioned. **e** will be the last sentence of the passage.*

Direction:- Read each sentence to find out whether there is any grammatical/contextual error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer (Ignore the errors of punctuation, if any).

Question No. 135

As cults lose legitimacy, historical events (A)/are now being explained using 'real' reasons (B)/such as economics and politics, while 'false' reasons (C)/such as religion and ideology is downplayed (D).

Options :

1. As cults lose legitimacy, historical events
2. are now being explained using 'real' reasons
3. such as economics and politics, while 'false' reasons
4. such as religion and ideology is downplayed
5. No error

Answer : such as religion and ideology is downplayed

Here, 'religion' and 'ideology' are 2 different things. So, 'is' is incorrect.

*As cults lose legitimacy, historical events are now being explained using 'real' reasons such as economics and politics, while 'false' reasons such as religion and ideology **are** downplayed.*

Question No. 136

Materialistic philosophies that value (A)/the measurable emerged around the 19th century, (B)/at the same time that (C)/scientific thinking, industrialisation, and Darwin's Theory of Evolution (D).

Options :

1. Materialistic philosophies that value
2. the measurable emerged around the 19th century
3. at the same time that
4. scientific thinking, industrialisation, and Darwin's Theory of Evolution
5. No error

Answer : at the same time that

Here, 'that' is incorrect. Instead, 'as' should be used. 'the same time as' is correct.

Materialistic philosophies that value the measurable emerged around the 19th century, at the same time as scientific thinking, industrialisation, and Darwin's Theory of Evolution.

Question No. 137

Many archaeologists believe that the ring of megaliths was probably both (A)/a temple and a settlement at the same time, a simultaneous cultural and cultic space, where imaginary gods, (B)/carved on stone, lived among the people, with both hunger and faith (C)/nudging them towards economic and political innovations to make life easier (D).

Options :

1. Many archaeologists believe that the ring of megaliths was probably both
2. a temple and a settlement at the same time, a simultaneous cultural and cultic space, where imaginary gods
3. carved on stone, lived among the people, with both hunger and faith
4. nudging them towards economic and political innovations to make life easier
5. No error

Answer : No error

The given sentence is correct.

Question No. 138

He reasoned that reform would be futile, as nobody would (A)/surrender power peacefully, and he grew (B)/ever more despondent in the 1930s when European politics was dissenting (C)/into its fascist abyss and India was approaching its moment of reckoning (D).

Options :

1. He reasoned that reform would be futile, as nobody would
2. surrender power peacefully, and he grew
3. ever more despondent in the 1930s when European politics was dissenting
4. into its fascist abyss and India was approaching its moment of reckoning
5. No error

Answer : ever more despondent in the 1930s when European politics was dissenting

The word 'dissenting' means 'showing a strongly different opinion on a particular question, especially an official suggestion or plan, a legal decision, or a popular belief'. 'Dissenting into something' is incorrect.

The correct word to be used here is 'descending'.

*He reasoned that reform would be futile, as nobody would surrender power peacefully, and he grew ever more despondent in the 1930s when European politics was **descending** into its fascist abyss and India was approaching its moment of reckoning.*

Question No. 139

Whether his revolution had been half-baked or total, (A)/Nehru was saddled for the universal post-revolutionary problem (B)/of revolutionary enthusiasm being no substitute for the bureaucracy of state, (C)/military or civil, however hateful or despicable they may have been (D).

Options :

1. Whether his revolution had been half-baked or total
2. Nehru was saddled for the universal post-revolutionary problem
3. of revolutionary enthusiasm being no substitute for the bureaucracy of state
4. military or civil, however hateful or despicable they may have been
5. No error

Answer : Nehru was saddled for the universal post-revolutionary problem

Here, 'saddle with something' is correct, not 'for'.

Saddle somebody/something with something- to put someone in a situation in which they have to deal with something difficult or unpleasant.

*Whether his revolution had been half-baked or total, Nehru was saddled **with** the universal post-revolutionary problem of revolutionary enthusiasm being no substitute for the bureaucracy of state, military or civil, however hateful or despicable they may have been.*

Question No. 140

There were many who did not like that finding, and the most important counter-argument (A)/they made was that the paper was not peer-reviewed and was mere released in (B)/a pre-print server and, therefore, one had to withhold judgement (C)/until the paper was published in a scientific journal with peer review (D).

Options :

1. There were many who did not like that finding, and the most important counter-argument
2. they made was that the paper was not peer-reviewed and was mere released in
3. a pre-print server and, therefore, one had to withhold judgement
4. until the paper was published in a scientific journal with peer review
5. No error

Answer : they made was that the paper was not peer-reviewed and was mere released in

Here, 'mere' is incorrect. The adverb 'merely' is correct here.

There were many who did not like that finding, and the most important counter-argument they made was that the paper was not peer-reviewed and was **merely** released in a pre-print server and, therefore, one had to withhold judgement until the paper was published in a scientific journal with peer review.

Direction:- In each question below, a sentence is given with a part of it printed in bold type. That part may contain a grammatical error. Each sentence is followed by phrases (A), (B), (C) and (D). Find out which phrase should replace the phrase given in bold to correct the error, if there is any, and to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and 'No replacement required', mark (E) as the answer.

Question No. 141

He made the conceptual and strategic distinction **between revolution and reform, spell out the difference at length** in 1928 in the style of any radical student.

Options :

1. among revolution and reform, spell out the difference at length
2. between revolution and reform, spell out the difference in length
3. between revolution and reform, spelling out the difference at length
4. between revolution and reform, spelling the difference at length
5. No replacement required

Answer : between revolution and reform, spelling out the difference at length

Here, 'spell out' is incorrect. Instead, 'spelling out' is correct.

*He made the conceptual and strategic distinction between revolution and reform, **spelling out** the difference at length in 1928 in the style of any radical student.*

Question No. 142

Around the same time, the Harappans also mixed with Steppe **pastoralists which had by then migrated to north India through Central Asia**, to form the Ancestral North Indian population.

Options :

1. pastoralists which had by then mitigated to north India through Central Asia
2. pastoralists that had for then migrated to north India through Central Asia
3. pastoralists who had by then migrated to north India to Central Asia
4. pastoralists who had by then migrated to north India through Central Asia
5. No replacement required

Answer : pastoralists who had by then migrated to north India through Central Asia

Here, 'which' is incorrect because 'pastoralists' are people. 'who' should be used.

*Around the same time, the Harappans also mixed with Steppe pastoralists **who** had by then migrated to north India through Central Asia, to form the Ancestral North Indian population.*

Question No. 143

A medical graduate-cum-public rights activist in the city has brought out a handbook **to raise aware of patients' rights, in the hope that** people and healthcare providers can resolve issues amicably.

Options :

1. to raise awareness of patients' rights, in the hope that
2. to raise aware of patients' rights, in the hope which
3. to raise awareness of patients' rights, in the hoping that
4. to rise aware of patients' rights, in the hope that
5. No replacement required

Answer : to raise awareness of patients' rights, in the hope that

Here, 'awareness' is correct. 'rise' is also incorrect.

*A medical graduate-cum-public rights activist in the city has brought out a handbook to raise **awareness** of patients' rights, in the hope that people and healthcare providers can resolve issues amicably.*

Question No. 144

Germany's pro-business Free Democrats approved a deal to form a new government with two centre-left parties, moving the Chancellor-designate **a step closer to taken office** as the country's new leader.

Options :

1. a step closer to take office as
2. a step closer to taking office as
3. a step closer in taken office as
4. a step closer to took office as
5. No replacement required

Answer : a step closer to taking office as

Here, the gerund 'taking' is correct.

*Germany's pro-business Free Democrats approved a deal to form a new government with two centre-left parties, moving the Chancellor-designate a step closer to **taking** office as the country's new leader.*

Question No. 145

United States health officials said that while the Omicron variant of the coronavirus is rapidly spreading throughout the country, **early indication suggest it may be less dangerous than Delta**, which continues to drive a surge of hospitalisations.

Options :

1. early indications suggests it may be less dangerous than Delta
2. early indication suggest they may be less dangerous than Delta
3. early indication suggest it might be less dangerous than Delta
4. early indications suggest it may be less dangerous than Delta
5. No replacement required

Answer : early indications suggest it may be less dangerous than Delta

Here, either 'indications suggest' or 'indication suggests' is to be used.

*United States health officials said that while the Omicron variant of the coronavirus is rapidly spreading throughout the country, early **indications suggest** it may be less dangerous than Delta, which continues to drive a surge of hospitalisations.*

Question No. 146

Alibaba Group Holding Ltd said that **it was reorganising its businesses and will appoint** a new chief financial officer.

Options :

1. it was reorganising their businesses and will appoint
2. they were organising its businesses and will appoint
3. it was reorganising its businesses and would appoint
4. it was reorganised its businesses and will appoint
5. No replacement required

Answer : it was reorganising its businesses and would appoint

Since the sentence is in the reported speech, 'will' should be changed to 'would'.

*Alibaba Group Holding Ltd said that it was reorganising its businesses and **would** appoint a new chief financial officer.*

Question No. 147

U.S.-listed shares of Chinese firms **tumbled (A)** on concerns about **striker (B)** regulatory scrutiny at home in the **wake (C)** of plans by Didi Global Inc to **delist (D)** from the New York Stock Exchange.

Options :

1. tumbled
2. striker
3. wake
4. delist
5. All correct

Answer : striker

The correct spelling is 'stricter'.

*U.S.-listed shares of Chinese firms tumbled on concerns about **stricter** regulatory scrutiny at home in the wake of plans by Didi Global Inc to delist from the New York Stock Exchange.*

Question No. 148

It was among the sectors that took one of the **hard (A)** beatings with the **onset (B)** of the pandemic, and also one that **bounced (C)** back with equal **rigour (D)**, thanks to what was termed 'revenge tourism'.

Options :

1. hard
2. onset
3. bounced
4. rigour
5. All correct

Answer : hard

Here, 'hard' is incorrect because the superlative degree should be used.

*It was among the sectors that took one of the **hardest** beatings with the onset of the pandemic, and also one that bounced back with equal rigour, thanks to what was termed 'revenge tourism'.*

Question No. 149

The Government **reiterated (A)** that there would be strict **implementation (B)** of five-pronged strategy of test-tracktreat- vaccinate and **adherence (C)** to COVID appropriate **behaviour (D)**.

Options :

1. reiterated
2. implementation
3. adherence
4. behaviour
5. All correct

Answer : All correct

All the given words are correct here.

Question No. 150

This is since they **beleive (A)** that prices are sticky **downward (B)** and that the central bank can trick people into **accepting (C)** lower real wages by **devaluing (D)** the currency.

Options :

1. beleive
2. downward
3. accepting
4. devaluing
5. All correct

Answer : believe

The correct spelling is 'believe'.

*This is since they **believe** that prices are sticky downward and that the central bank can trick people into accepting lower real wages by devaluing the currency.*

Question No. 151

Expressing **solidity (A)** with the **bereaved (B)** families, the Church Council has called upon all its **constituent (C)** member churches in the State to **conduct (D)** special prayers on Tuesday morning.

Options :

1. solidity
2. bereaved
3. constituent
4. conduct
5. All correct

Answer : solidity

Here, solidity is not correct. the correct word is 'solidarity', which means 'agreement between and support for the members of a group, especially a political group'.

*Expressing **solidarity** with the bereaved families, the Nagaland Council has called upon all its constituent member churches in the State to conduct special prayers on Tuesday morning.*

Question No. 152

For the past three months, ambulance crews have **been snowed for** with calls.

Options :

1. been snowed for
2. been snowed inside
3. been snowed under
4. been snowed away
5. No improvement required

Answer : been snowed under

The correct idiom is 'be snowed under'. It means 'to have so much work that you have problems dealing with it all'.

*For the past three months, ambulance crews have **been snowed under** with calls.*

Direction:- Fill in the blank with appropriate words from the options.

Being closed since the April 2020-lockdown, anganwadis are slowly reopening. Those in Karnataka, Bihar and Tamil Nadu are opening or _____ (1) opening shortly. As part of the Integrated Child Development Services (ICDS), anganwadis play a _____ (2) role in supporting households, particularly from low-income families, by _____ (3) childcare, health and nutrition, education, supplementary nutrition, immunisation, health check-up and referral services. The largest in the world, ICDS _____ (4) about 88 million children aged 0-6 years in India. Their closure significantly _____ (5) service delivery and weakened an important social safety net.

Question No. 153

Fill in blank 1 with the appropriate word from the options.

Options :

1. convenient
2. considerate
3. consisted
4. considering
5. concession

Answer : considering

The word 'considering' means 'thinking about' is correct here.

Other words are incorrect or inappropriate.

Question No. 154

Fill in blank 2 with the appropriate word from the options.

Options :

1. crux
2. crucial
3. critically
4. criteria
5. chronology

Answer : crucial

The word 'crucial' is correct here.

Other words are grammatically incorrect.

Question No. 155

Fill in blank 3 with the appropriate word from the options.

Options :

1. provision
2. promotion
3. proving
4. providing
5. procuring

Answer : providing

The word 'providing' is correct here.

A and B are grammatically incorrect.

C and D are inappropriate in this context.

Question No. 156

Fill in blank 4 with the appropriate word from the options.

Options :

1. comments
2. covets
3. covers
4. control
5. combine

Answer : covers

The word 'covers' is correct here.

Other words are incorrect or inappropriate.

Covet- to want to have something very much, especially something that belongs to someone else.

Question No. 157

Fill in blank 5 with the appropriate word from the options.

Options :

1. implanted
2. imparts
3. imply
4. implores
5. impacted

Answer : impacted

The word 'impacted' is correct here.

Since the action has taken place in the past, the past form of the verb should be used.

Also, 'implanted' is incorrect here.

*Being closed since the April 2020-lockdown, anganwadis are slowly reopening. Those in Karnataka, Bihar and Tamil Nadu are opening or **considering** opening shortly. As part of the Integrated Child Development Services (ICDS), anganwadis play a **crucial** role in supporting households, particularly from low-income families, by **providing** childcare, health and nutrition, education, supplementary nutrition, immunisation, health check-up and referral services. The largest in the world, ICDS **covers** about 88 million children aged 0-6 years in India. Their closure significantly **impacted** service delivery and weakened an important social safety net.*

Direction:- In each of the following questions, a word has been used in sentences in THREE different ways. Choose the option corresponding to the sentences in which the usage of the word is **CORRECT** or **APPROPRIATE**.

Question No. 158

Boisterous

- (i) Fortunately, the giggles from the Thai ladies and boisterous laughs from the lads who were nearby painted a different picture.
- (ii) It had become boisterous and quite noisy so the Tavern owner had devised a way to get all the customers off each other's' throats.
- (iii) The committee wish all our supporters a very boisterous Christmas and a joyous New Year.

Options :

- 1. Only i
- 2. i and ii
- 3. ii and iii
- 4. i, ii and iii
- 5. None of these is correct

Answer : i and ii

The word 'boisterous' means 'noisy, energetic, and rough'. In (i) and (ii), it is appropriate, but not in (iii).

Question No. 159

Ostensible

- (A) While the ostensible motivation will be to improve the security of the Internet, the real objective will be to increase corporate profitability.
- (ii) In conclusion, funding is always available and ostensible if you have the complete package necessary to develop a business.
- (iii) After midnight towards daybreak I expect the rain to become most steady with the warm front ostensible over southern New England.

Options :

1. Only i
2. Only iii
3. ii and iii
4. i and iii
5. i, ii and iii

Answer : Only i

The word 'ostensible' means 'appearing or claiming to be one thing when it is really something else'.

In (i), it is correct, but not in (ii) and (iii).

Question No. 160

Tweak

- (i) I seem to always tweak individual high-quality programming material even when custom presets are close to the mark anyway!
- (ii) Then he worked on her cycling shoes, placing shims under the cleats to tweak the angle of shoe to pedal.
- (iii) With the wisdom of those past years we need to tweak it a bit because people like their comforts.

Options :

1. Only i
2. i and ii
3. ii and iii
4. i, ii and iii
5. None of these is correct

Answer : i, ii and iii

The word 'tweak' means 'to pull and twist something with a small sudden movement' or 'to change something slightly, especially in order to make it more correct, effective, or suitable'.

In all the three sentences, the word is used correctly.

Computer Knowledge

Question No. 161

A _____ is a text file that a Web browser stores on a user's machine.

Options :

1. Script
2. ASPs
3. Cookie
4. Plug-in
5. None of these

Answer : Cookie

A cookie is a text file that a Web browser stores on a user's machine. Cookies are a way for Web applications to maintain application state. They are used by websites for authentication, storing website information/preferences, other browsing information and anything else that can help the Web browser while accessing Web servers.

Question No. 162

What is the acronym for ISDN?

Options :

1. Integrated Security Digital Network
2. Integrated Security Data Network
3. Integrated Services Digital Network
4. Integrated Services Data Network
5. None of these

Answer : Integrated Services Digital Network

ISDN stands for Integrated Services Digital Network. Integrated Services Digital Network (ISDN) is a set of communication standards for simultaneous digital transmission of voice, video, data, and other network services over the traditional circuits of the public switched telephone network. It was first defined in 1988 in the CCITT red book.

Question No. 163

Which of the following is also known as inkless printer?

Options :

1. Inkjet printer
2. Dot Matrix printer
3. Thermal printer
4. OCR
5. None of these

Answer : Thermal printer

Thermal printers are inkless. Thermal printing (or direct thermal printing) is a digital printing process which produces a printed image by selectively heating coated thermochromic paper, or thermal paper as it is commonly known, when the paper passes over the thermal print head.

Question No. 164

Which function key is used to refresh the current window?

Options :

1. F5
2. F6
3. F7
4. F8
5. F12

Answer : F5

F5 is the function key that can be used to reload or refresh windows.

Question No. 165

A telecommunications network which allows computers to exchange data is known as

Options :

1. Computer network
2. JVM
3. Control Panel
4. OCR
5. None of the above

Answer : Computer network

A computer network is a set of computers connected together for the purpose of sharing resources. The most common resource shared today is through the Internet.

Question No. 166

_____ is copying a process from memory to disk to allow space for other processes.

Options :

1. Deadlock
2. Swapping
3. Page Fault
4. Demand Paging
5. None of these

Answer : Swapping

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

Question No. 167

PDAs are also called _____ computers.

Options :

1. Desktop computer
2. Palmtop computer
3. Super computer
4. Mainframe computer
5. None of these

Answer : Palmtop computer

Short for personal digital assistant, a handheld device that combines computing, telephone/fax, and networking features. A typical PDA can function as a cellular phone, fax sender, and personal organizer. PDAs are also called palmtops, hand-held computers and pocket computers.

Question No. 168

_____ is a repair for a known software bug, usually available at no charge on the internet.

Options :

1. Patch
2. Tutorial
3. Version
4. FAQ
5. None of these

Answer : Patch

A patch is a piece of software designed to update a computer program or its supporting data, to fix or improve it. This includes fixing security vulnerabilities and other bugs, with such patches usually called bug fixes, and improving the usability or performance.

Question No. 169

Which of the following button on the Quick Access Toolbar allows you to cancel your recent commands or activities?

Options :

1. Cut
2. Undo
3. Redo
4. Shift
5. Search

Answer : Undo

To undo an action Click Undo Button on the Quick Access Toolbar. Keyboard shortcut Press CTRL+Z or F2. For the F2 function key to undo your last action, you might need to press the F-Lock key.

Question No. 170

_____ operation relates to a set of computers connected to a LAN.

Options :

1. Sole purpose of sending/receiving E-mail
2. They can process faster
3. They can only manage ROM
4. They can share information and/or share peripheral equipment
5. None of these

Answer : They can share information and/or share peripheral equipment

LAN connection allows computers to share information and/or share peripheral equipment.

Question No. 171

To represent the unit of data, which of the following devices use 'set of beads'?

Options :

1. Abacus
2. MARK-I
3. ENIAC
4. EDVAC
5. None of these

Answer : Abacus

The abacus (plural abaci or abacuses), also called a counting frame, is a calculating tool with a set of beads for counting.

Question No. 172

An object embedded in a web page or email, which unobtrusively (usually invisibly) allows checking that a user has accessed the content is called

Options :

1. spam
2. firewall
3. email
4. virus
5. web beacon

Answer : web beacon

Common uses of web beacon are email tracking and page tagging for web analytics. Its alternative names are web bug, tracking bug, tag, or page tag.

Question No. 173

_____ can be used to store a large number of files in a small amount of storage space.

Options :

1. File compatibility
2. File compression
3. File copying
4. File adjustment
5. None of these

Answer : File compression

File compression is the technique used to store the large file in a small storage space. It compresses to content of the file in such a way that there is no harm done on the file content and quality.

Question No. 174

Which of the following key is an example of Toggle key?

Options :

1. Caps Lock
2. Control
3. Alt
4. Shift
5. Escape

Answer : Caps Lock

A toggle key is a key that is used to turn a function on or off, or to switch between two functions. Examples of toggle keys are the caps lock key, number lock key and scroll lock key. A toggle key can also be used as an accessibility option to alternate the input mode of keys.

Question No. 175

Which of the following ports connects special types of music instruments to sound cards?

Options :

1. BUS
2. USB
3. MIDI
4. CPU
5. None of these

Answer : MIDI

MIDI stands for Musical Instrument Digital Interface, is a technical standard that describes a protocol, digital interface and connectors and allows a wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another.

Question No. 176

In computer storage media, WORM is a data storage technology that allows information to be written to a disc a single time and prevents the drive from erasing the data. In the term WORM, M stands for?

Options :

1. Memory
2. Micro
3. Mail
4. Many
5. None of these

Answer : Many

In computer storage media, WORM (Write Once, Read Many) is a data storage technology that allows information to be written to a disc a single time and prevents the drive from erasing the data. The discs are intentionally not rewritable, because they are especially intended to store data that the user does not want to erase accidentally.

Question No. 177

_____ is a text styling utility available in Microsoft Office applications such as Microsoft Word, Excel, PowerPoint and Publisher.

Options :

1. WordArt
2. ClipArt
3. SmartArt
4. Charts
5. None of these

Answer : WordArt

WordArt is a text styling utility available in Microsoft Office applications such as Microsoft Word, Excel, PowerPoint and Publisher. It helps in providing special effects like outlines, gradient glow, shadow, bevel, textures and 3-D effects to the text, effects which are unavailable in the standard font formatting tools.

Question No. 178

By default a new workbook contains _____ worksheets in Excel.

Options :

1. One
2. Three
3. Five
4. Six
5. None of these

Answer : Three

A new workbook contains only three worksheets, namely, Sheet 1, Sheet 2 and Sheet 3, by default. You can rename your worksheets at any point according to your requirements.

Question No. 179

The largest unit of storage is

Options :

1. Terabyte
2. Kilobyte
3. Gigabyte
4. Petabyte
5. None of these

Answer : Petabyte

Petabyte among the given options is the largest unit of storage.

1 Petabyte = 1024 Terabyte

Question No. 180

FORTTRAN programming language is more suitable for

Options :

1. statically calculative applications
2. scientific applications
3. business applications
4. marketing applications
5. None of these

Answer : scientific applications

FORTTRAN is the best and only major programming language for scientific applications. It is designed for performing large and complex scientific numerical computing.

Question No. 181

To select the entire document which of the following shortcut keys is used?

Options :

1. Shift + A
2. Ctrl + A
3. Ctrl + L
4. Alt + A
5. Ctrl + K

Answer : Ctrl + A

We can select the entire document by using the Ctrl + A keys together.

Question No. 182

On a multiple choice answer sheet which type of technology is used to read pencil or pen marks?

Options :

1. OCR
2. CPU
3. OMR
4. MICR
5. ALU

Answer : OMR

Optical Mark Recognition technology is used to read pencil or pen marks on a multiple choice answer sheet.

Question No. 183

_____ is a programming language for creating special programs like applets.

Options :

1. COBOL
2. Net
3. domain name
4. cable
5. Java

Answer : Java

Java can be used to create applets. Applet is a very small application, especially a utility program performing one or a few simple functions.

Question No. 184

_____ contains permanent data and gets updated during the processing of transactions.

Options :

1. Transaction file
2. Master file
3. Operating System File
4. Software File
5. None of these

Answer : Operating System File

Operating System File is a type of file that contains permanent data and gets updated later after creation or even during the processing of transactions.

Question No. 185

To an ad hidden inside software that you downloaded from an internet site is known as

Options :

1. Adware
2. Cookie
3. Spam
4. Phish
5. None of these

Answer : Adware

Adware is software that automatically displays or downloads advertising material such as banners or pop-ups when a user is online.

Question No. 186

The most suitable type of network that phone lines would us is

Options :

1. SAN
2. WWAN
3. WAN
4. Bluetooth
5. None of these

Answer : WAN

Wide Area Network (WAN) usually uses telephone lines for connectivity, as WAN is spread over a large area and offers Internet-related services such as browsing, email, chatting, etc.

Question No. 187

Which of the following is a volatile storage device?

Options :

1. Magnetic tape
2. ROM
3. Hard disc
4. RAM
5. None of these

Answer : RAM

A volatile device is a device that stores data temporarily. An example of a volatile device is RAM.

Question No. 188

The property of the entire relation, rather than of the individual tuples in which each tuple is unique, is known as

Options :

1. Attribute
2. Key
3. Fields
4. Rows
5. None of these

Answer : Key

Key is a property of the entire relation (relation is a table).

Question No. 189

A set of programs that enables your computer's hardware devices and application software to work together is called

Options :

1. Memory
2. Word processing software
3. Programming software
4. ROM
5. Utility software

Answer : Utility software

Utility software is system software designed to help analyze, configure, optimize or maintain a computer.

Question No. 190

Which of the following is used to direct and dispatch data packets between different networks?

Options :

1. Gateway
2. Hub
3. Connection
4. Router
5. Bridge

Answer : Router

A router is used to route data packets between different networks. It reads the information in each packet to tell where it is going. If it is destined for an immediate network it has access to, it will strip the outer packet (IP packet for example), readdress the packet to the proper Ethernet address, and transmit it on that network.

Question No. 191

In all HTML document which of the following elements is the starting element ?

Options :

1. Metadata
2. Heading
3. Root
4. Section
5. Phrasing

Answer : Root

The Root element is the starting element in an HTML document, and it is present in all HTML documents.

Question No. 192

Which type of device is used for identifying people by their unique characteristics?

Options :

1. joystick
2. biometric device
3. Web camera
4. scanner
5. None of these

Answer : biometric device

A biometric device is a type of device that records the unique characteristics such as finger prints because it is impossible to have two different persons with the same fingers prints.

Question No. 193

For indentation of text in MS Word which among the following option is not available?

Options :

1. Right
2. Left
3. Justify
4. Hanging
5. Center

Answer : Hanging

Hanging is no option under indentation of text.

Question No. 194

_____ is a coded entries which are used to gain access to a computer system.

Options :

1. Security commands
2. Entry codes
3. Passwords
4. Encryption
5. Code words

Answer : Passwords

A password is a word or string of characters used for user authentication to prove identity or access approval to gain access to a resource.

Question No. 195

A set of keywords, symbols and a system of rules for constructing statements by which human can communicate the instructions to be executed by a computer, is known as

Options :

1. A programming language
2. A computer program
3. Computer I/O Device
4. An assemble
5. None of these

Answer : A programming language

A programming language is a formal computer language or constructed language designed to communicate instructions to a machine, particularly a computer. Programming languages can be used to create programs to control the behaviour of a machine or to express algorithms.

Question No. 196

One should click _____ in order to move from one worksheet to another in MS-Excel workbook.

Options :

1. tab button
2. active cell
3. sheet tab
4. scroll bar
5. None of these

Answer : sheet tab

Sheet Tab is used to switch between worksheets.

Question No. 197

_____ is a function inside another function.

Options :

1. Grouped
2. Nested
3. Sum
4. Round
5. Text

Answer : Nested

A function inside another function is called a nested function.

Question No. 198

_____ appropriately relates with starting up an operating system.

Options :

1. Formatting
2. Booting
3. Entering
4. Starting
5. None of these

Answer : Booting

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

Question No. 199

Vacuum Tubes were used in which generation of Computers?

Options :

1. 1st Generation
2. 2nd Generation
3. 3rd Generation
4. 4th Generation
5. 5th Generation

Answer : 1st Generation

First Generation computers are characterized by the use of vacuum tubes. These vacuum tubes were used for calculation as well as storage and control. Later, magnetic tapes and magnetic drums were implemented as storage media. The first vacuum tube computer, ENIAC, was developed by US army ordinance to calculate ballistic firing tables in WWII. It had about 17000 vacuum tubes.

Question No. 200

In which of the following network topology, all devices on a network are connected to a single continuous cable?

Options :

1. Bus
2. Tree
3. Star
4. Ring
5. Mesh

Answer : Bus

The bus topology is also known as linear topology. This type of topology was used in traditional data communication networks. In this topology, a host located at one end of the bus (or the central node) communicates with all the other nodes attached along its length.