Memory Based Paper

IBPS RRB Scale I Officer

2021 Mains

Reasoning Aptitude

Directions (Q.1-5): Study the following information carefully and answer the questions given below:

Eight persons J, K, L, M, N, O, P and Q attend the classes in eight different months January, March, April, June, May, July, September and November in the same year. Person name starts with consecutive letter does not attend the classes consecutively. For example, J does not attends the classes immediately before or after K.

Three persons attend the classes between J and the one who studies Hindi. M attends the classes immediately after the one who studies Hindi. J attends the classes before the one who studies Hindi. Two persons attend the classes between M and the one who studies Biology. O attends the classes immediately before the one who studies Chemistry. Two persons attend the classes between O and N. The one who studies History attends the classes immediately before N. N neither attends the classes in first nor attends the classes in last. N does not like biology. O attends the classes after J. Number of persons attending the classes before K is two more than number of persons attending the classes after P. Two persons attend the classes between P and the one who studies geography. The one who studies English attends the classes before Q. The one who studies Maths attends the classes after the one who studies Physics. L does not like Maths.

Solution:

   I.   *Three persons attend the classes between J and the one who studies Hindi.*
  II.   *M attends the classes immediately after the one who studies Hindi.*
 III.   *J attends the classes before the one who studies Hindi.*
 IV.   *Two persons attend the classes between M and the one who studies Biology.*

We will have three cases:

From these statements, J attend the classes either in the month of January or March or April and the one who studies Hindi attend the classes either in the month of June or July or September.

M attend the classes either in the month of July or September or November and the one who studies Biology attend the classes either in the month of April or May or June.

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Months	Person	Subject	Person	Subject	Person	Subject
	Case 1.		Case 2.		Case 3.	
January (31)	J					
March(31)			J			
April(30)		Biology			J	
May(31)				Biology		
June(30)		Hindi				Biology
July(31)	M			Hindi		
September(30)			M			Hindi
November(30)					M	

(v) O attends the classes after J. O attends the classes immediately before the one who studies chemistry.

(vi) Two persons attend the classes between O and N. The one who studies History attends the classes immediately before N.

(vii) N neither attends the classes in first nor attends the classes in last. N does not like biology.

As O attends the classes after J. O attends the classes immediately before the one who studies chemistry. So, O attends the classes either in the month of September or July or June and the one who studies Chemistry either attends the classes in the month of November or September or July.

N attend the classes either in the month of April or May or March and the one who studies History attends the classes either in the month of March or April or January.

Case 1 will get discarded as the one who studies History attends the classes immediately before N.

Months	Person	Subject	Person	Subject	Person	Subject	Person	Subject
	Case 1.		*Case 2.*		*Case 3.*		*Case 3.a*	
January (31)	J							History
March(31)			J	History			N	
April(30)		Biology	N		J	History	J	
May(31)	N			Biology	N			
June(30)		Hindi				Biology	O	Biology
July(31)	M		O	Hindi				Chemistry
September (30)	O		M	Chemistry	O	Hindi		Hindi
November (30)		Chemistry			M	Chemistry	M	

(viii) Number of persons attending the classes before K is two more than number of persons attending the classes after P.

(ix) Two persons attend the classes between P and the one who studies Geography. The one who studies English attends the classes before Q. The one who studies maths attends the classes after the one who studies Physics. L does not like Maths.

Case 1.

If Q attends the classes in the month of May, then the one who studies English attends the classes in the month of April. P attends the classes in the month of November, then the one who studies Geography attends the classes in the month of June. The one who studies Maths and Physics attends the classes in the month of November and January respectively. K and L attends the classes in the month of June and January respectively. But this case will get discarded as number of persons attending the classes before K is two more than number of persons attending the classes after P.

Case 2.

If Q attends the classes in the month of March, then the one who studies English attends the classes in the month of January. P attends the classes in the month of June, then the one who studies Geography attends the classes in the month of March. The one who studies Maths and Physics attends the classes in the month of July and May respectively. K and L attends the classes in the month of July and January respectively.

Case 3.

If Q attends the classes in the month of May, then the one who studies English attends the classes in the month of April. P attends the classes in the month of September, then the one who studies Geography attends the classes in the month of May. This case will get discarded as we cannot place K.

Months	Person	Subject	Person	Subject	Person	Subject
	Case 2.		*Case 3.*		*Case 3.a.*	
January (31)	L	Physics	L	English		History
March(31)	J	History	Q	Geography	N	Physics
April(30)	N	English	J	History	J	English
May(31)	Q	Biology	N	Physics	Q	Geography
June(30)	K	Geography	P	Biology	O	Biology
July(31)	O	Hindi	K	Maths		Chemistry
September(30	M	Chemistry	O	Hindi	P	Hindi
November(30	P	Maths	M	Chemistry	M	Maths

Final arrangement as shown below:

Months	Person	Subject
January (31)	L	English
March(31)	Q	Geography
April(30)	J	History
May(31)	N	Physics
June(30)	P	Biology
July(31)	K	Maths
September(30)	O	Hindi
November(30)	M	Chemistry

1. Which of the following statement is true?

   a) Two persons attend the classes between Q and the one who studies Geography

   b) O attends the classes before L

   c) More than three persons attend the classes between Q and the one who studies Hindi

   d) The one who studies Geography attends the classes after N

   e) None is true

ANs: 3

2. Who among the following studies English?

   a) Q

   b) P

   c) L

   d) J

   e) None of these

ANs: 3

3. Four of the following five are alike in a certain way based on the above arrangement. Find which one does not belongs to the group?

a) L – Geography

b) K – Hindi

c) N – Biology

d) J – English

e) P – Maths

ANs: 4

4. If N is related to Biology, O is related to Geography, in the same way K is related to which of the following?

a) Physics

b) History

c) Hindi

d) Biology

e) English

ANs: 2

5. How many persons attend the classes between J and the one who studies Hindi?

a) None

b) One

c) Two

d) Three

e) None of these

ANs: 4

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Directions (6 – 10): Read the questions on the basis of the information given below.

Nine persons - A, B, C, D, E, F, G, H, and I live on three different flats numbered Flat -1, Flat - 2 and Flat-3 in three different floors numbered floor - 1, floor - 2 and floor - 3(From Left to Right). Each floor contains three-flats and flat-1 of the floor - 2 exactly above the flat -1 of floor-1 and exactly below the flat-1 of floor - 3. Similarly flat - 2 and flat - 3 of each floor constructed. Each likes different fruit namely viz. - Mango, Grapes, Papaya, Banana, Watermelon, Pear, Orange, Kiwi, and Apricot.

C lives on the same floor with A. G lives immediately below C. B lives immediately below A. F lives on an even-numbered flat on the even-numbered floor. D and I live on even-numbered flats. I lives immediately below F. E lives on an odd-numbered floor. E lives on one of the same flat above G. The persons who like Grapes, Papaya, and Watermelon live in the odd-numbered floors on the odd-numbered flat. A lives on flat -1. The persons who like Pear, Mango, and Banana live in the even-numbered floor. The person who likes Mango lives immediately below the one who likes Orange. The one who likes Kiwi lives on an even-numbered flat. The person who likes Pear lives immediately above the one who likes Papaya. The flat number of the person who likes Papaya is not more than 2. The persons who like Watermelon and Apricot live on the same numbered flat. The one who likes Watermelon lives on the same floor with the one who likes Grapes.

Solution:

(i) F lives on an even-numbered flat on the even-numbered floor.

(ii) D and I live on even-numbered flats. I lives immediately below F.

F lives at flat no. 2 on floor no. 2. D and I lives at flat no. 2 on floor no. 3 and 1 respectively.

(iii) G lives immediately below C.

(iv) E lives on an odd-numbered floor. E lives on one of the same flat above G.

From these statements, there will be two cases:

If E lives at flat no. 1 of floor no. 3 then G lives at flat no. 1 of floor no. 1.

If E lives at flat no. 3 of floor no. 3 then G lives at flat no. 3 of floor no. 1.

C lives at either flat no. 1 or 3 of floor no. 2.

C lives on the same floor with J. So, A lives either at flat no. 1 or 3 of floor no. 2.

B lives immediately below J. So, B lives either at flat no. 1 or 3 of floor no. 1.

A lives on flat -1. So, case 1 will get discarded.

	Case 1.			Case 2.		
Floors	*Flat 1*	*Flat 2*	*Flat 3*	*Flat 1*	*Flat 2*	*Flat 3*
3	E	D			D	E
2	C	F	A	A	F	C
1	G	I	B	B	I	G

The persons who like Grapes, Papaya, and Watermelon live in the odd-numbered floors on the odd-numbered flat.

The person who likes Pear lives immediately above the one who likes Papaya.

The flat number of the person who likes Papaya is not more than 2.

We know that the person who like Papaya live in the odd-numbered floors on the odd-numbered flat. So, the person who like Papaya lives at flat 1 of floor no. 1.

The person who likes Pear lives at flat 1 of floor no. 2.

The one who likes Watermelon lives on the same floor with the one who likes Grapes. So, the one who likes Watermelon lives at flat 3 of floor no. 3 as the persons who like Watermelon and Apricot live on the same numbered flat.

The one who likes Grapes lives at flat 1 of floor no. 3

The person who likes Mango lives immediately below the one who likes Orange. So, the person who likes Mango lives at flat 2 of floor no. 2 as the persons who like Pear, Mango, and Banana live in the even-numbered floor.

The one who likes Orange lives at flat 2 of floor no. 3.

The one who likes Kiwi lives on an even-numbered flat. So, the person who likes Kiwi lives at flat 2 of floor no. 1.

The persons who like Watermelon and Apricot live on the same numbered flat. So, the person who likes Apricot lives at flat 3 of floor no. 1.

	Case 2.		
Floors	*Flat 1*	*Flat 2*	*Flat 3*
3	H (Grapes)	D (Orange)	E (Watermelon)
2	A(Pear)	F (Mango)	C (Banana)
1	B (Papaya)	I (Kiwi)	G (Apricot)

Final arrangement as shown below:

Floors	*Flat 1*	*Flat 2*	*Flat 3*
3	H (Grapes)	D (Orange)	E (Watermelon)
2	A(Pear)	F (Mango)	C (Banana)
1	B (Papaya)	I (Kiwi)	G (Apricot)

6. Who among the following lives in flat-1 of floor-3?

    a) G
    b) I
    c) H
    d) E
    e) None of these

ANs: 3

7. Who among the following lives to the west of F?

    a) D
    b) G
    c) A
    d) H
    e) None of these

ANs: 3

8. How many floor gap is there between H and the one who likes Papaya?

    a) One
    b) Two
    c) None
    d) Three
    e) None of these

ANs: 1

9. D likes which of the following fruit?

    a) Grapes
    b) Pear
    c) Orange
    d) Mango
    e) Kiwi

ANs: 3

10. Who among the following person likes Kiwi?

a) G
b) H
c) I
d) F
e) None of these

ANs: 3

Directions:- There are certain number of persons sitting in a row and all were facing south but not necessarily in the same order.

A is in the middle of the row. B is fifth to the right of C. Three persons sit between D and E who is five places away from F. D is not near to A. G is third from one of the extreme ends but is not sitting between B and C. C is at one of the extreme end. H sits to the immediate left of G. Three people sit between E and A, who is immediate right of F. Number of persons between E and A is same as number of persons between A and B.

Solution:-

C is at one of the extreme end. B is fifth to the right of C.

G is third from one of the extreme ends but is not sitting between B and C.

H sits to the immediate left of G.
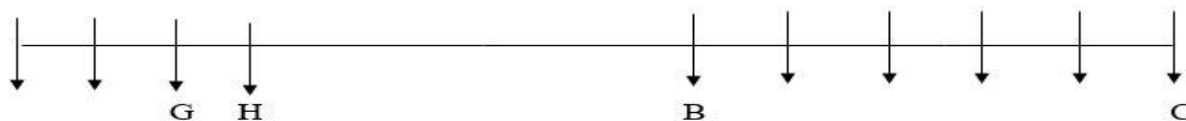
Three people sit between E and A, who is immediate right of F. Number of persons between E.

Two persons sit between D and E who is five places away from F. D is not near to A.

A is in the middle of the row. So, 9 persons should be sitting both sides of A. so, 1 person must sit between H and E.

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D G H E   A F   B   C
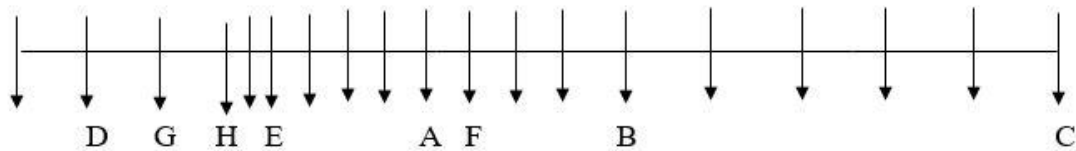
11. How many persons are sitting in the row?

    a) 21
    b) 28
    c) 19
    d) 34
    e) Can't be determined

Ans-3

12. How many persons are sitting between F and B?

    a) 3
    b) 2
    c) 5
    d) 1
    e) Can't be determined

Ans- 2

13. What s the position of G with respect to E?

    a) Third to the left
    b) Third to the right
    c) Immediate right
    d) Fourth to the right
    e) Can't be determined

Ans- 2

14. How many persons are sitting to the right of A?

a) 10
b) 9
c) 8
d) 7
e) 12

Ans- 9

15. What is the position of D with respect to H?

a) Second to the right
b) Second to the left
c) Immediate right
d) Immediate left
e) Fifth to the right

Ans- Second to the right

Direction:- In each question below are three statements followed by two conclusions I and II. You must take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

16. **Statements:**

1. Only a few bag are plastic

2. Only a few plastic are leather

3. All leather are brown.

Conclusions:

I. Some bag being brown is a possibility

II. Some plastic are not leather

a) Only conclusion I follows

b) Only conclusion II follows

c) Either conclusion I or II follows

d) Neither conclusion I nor II follows

e) Both conclusion I and II follow

Ans- 5
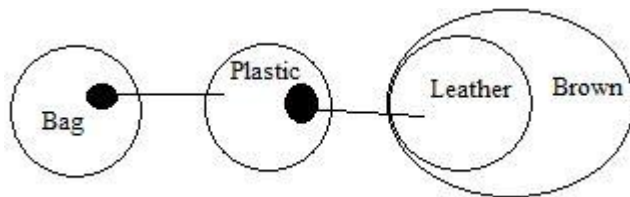
17. **Statements:**

1. No day is night

2. All night are dark

3. Only a few darks are black

Conclusions:

I. Some days are not black

II. All black being darks is a possibility

a) Only conclusion I follows

b) Only conclusion II follows

c) Either conclusion I or II follows

d) Neither conclusion I nor II follows

e) Both conclusion I and II follow

Ans- 2

18. **Statements:**

1. All rat are mouse

2. Only a few mouse are mice

3. No mice is mickey

Conclusions:

I. All mickey being rat is a possibility

II. Some rat are not mice

  a) Only conclusion I follows
  b) Only conclusion II follows
  c) Either conclusion I or II follows
  d) Neither conclusion I nor II follows
  e) Both conclusion I and II follow

Ans- 1
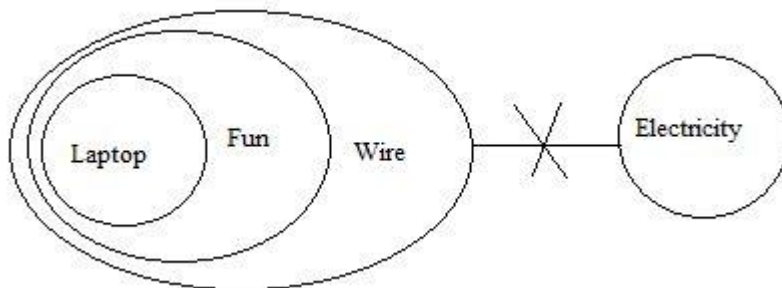
Direction:- Study the information carefully and answer the questions given below.

Pankaj starts his journey from point Y, walks 12 m towards North to reach at point E, then takes a right turn and walks 8 m to reach point Q. From point Q, He start walking in west direction and walk 6 m to reach at point Z, From point Z he takes a left turn and walks 10 m to reach at point M, then takes a left turn again and walks 6 m to reach point A.

Solution:-
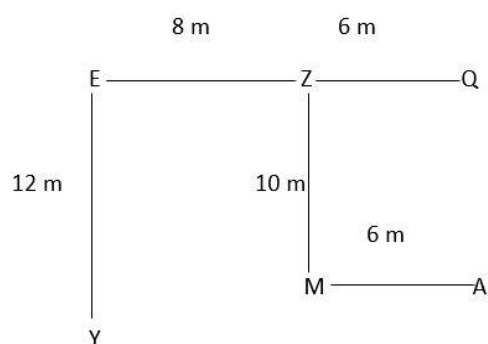
19. What is the shortest distance between point A and Q?

a) 6 m

b) 5 m

c) 8 m

d) 10 m

e) None of these

Ans- d

20. In which direction point Z with respect to A?

a) North

b) North east

c) South east

d) North west

e) Can't be determined

Ans- d

Direction:- Given below is the family arrangement provided in the form of symbols #, ~, $, @, ^, *, % and &. You have to make the family setup on the basis of the given data.

P # Q – P is the wife of Q.

P ~ Q – P is the husband of Q.

P $ Q – P and Q are siblings of same gender.

P @ Q – P and Q are siblings of different gender.
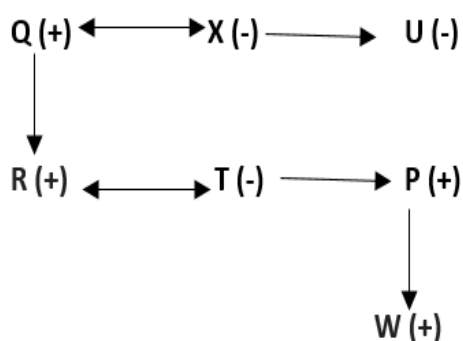
P ^ Q - P is son of Q.

P * Q – P is the daughter of Q.

For Male – '%'

For Female – '&'

Family arrangement on the basis-

W ^ P @ % & T # R ^ Q ~ X $ && U

Solution:-

21. Who is the uncle of W?

a) T

b) Q

c) R

d) X

e) None of these

Ans- c

22. How is P related to R?

a) Brother

b) Sister

c) Uncle

d) Father

e) Brother in law

Ans- e

23. Who is the grandmother of W?

a) Q

b) X

c) U

d) T

e) Cannot be determined

Ans- b

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24. If ' INSTITUTE' is coded as '315232726' , and 'FLUTE' is coded as '49726', what will the figures '274496' represent?

    a) TUFFLE
    b) SUFFLE
    c) TUTION
    d) STATION
    e) None of these

Ans- a

I – 3 , N - 1, S - 5, T - 2, U - 7, E - 6, F - 4, L – 9

Code for 274496 - TUFFL

25. How many pairs of letters are there in the word "APPLICATION" each of which have as many letters between them in the word as they have between them in the English alphabetical series?

    a) 1
    b) 2
    c) 3
    d) 4
    e) None

Ans- c

APPLICATION –

Pairs are – AI, ON, PI

Directions: (Q.26-30) Answer the questions based on the information given below.

Seven employees in a company P, Q, R, S, T, U and V holds seven different ranks/roles in the hierarchy given below not necessarily in the same order. The rankings of their designations in descending order are mentioned below such that Chairman is at the highest rank while Trainee is at the lowest. Chairman > Managing Director (MD)> HOD > Senior Manager (SM) > Assistant Manager (AM) >Clerk > Trainee. They like different fast foods items.

The one who is a Clerk likes Burger. R, whose designation is higher than that of S, likes Noodles. The one who likes Sandwich is three ranks higher than the one who likes Burger. V does not belong to the top three ranks. U is Chairman and likes Momos. V likes Rolls. T is two ranks lower than U. The one having third lowest designation likes Pastry. Neither P nor Q likes Pastry. The one who is a SM likes Patties.

Solution:

The one who is a Clerk likes Burger.

The one who likes Sandwich is three ranks higher than the one who likes Burger. So, the one who likes Sandwich is HOD.

U is a Chairman and likes Momos.

The one who is a SM likes Patties.

Rank	Person	Colour
Chairman	*U*	*Momos*
Managing Director		
HOD		*Sandwich*
Senior Manager		*Patties*
Assistant Manager		
Clerk		*Burger*
Trainee		

V does not belong to the top three ranks. V likes Rolls. There will be two cases:

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V can be either Assistant Manager or Trainee.

The one having third lowest designation likes Pastry. Case 1 will get discarded as we cannot place the one who likes Pastry.

In case 2, the one who likes Pastry is Assistant Manager.

Rank	Case 1.		Case 2.	
	Person	Items	Person	Items
Chairman	U	Momos	U	Momos
Managing Director				
HOD		Sandwich		Sandwich
Senior Manager		Patties		Patties
Assistant Manager	V	Rolls		Pastry
Clerk		Burger		Burger
Trainee			V	Rolls

R, whose designation is higher than that of S, likes Noodles. It is clear that R is Managing Director.

T is two ranks lower than U. So, T is a HOD.

Neither P nor Q likes Pastry. So, S is an Assistant Manager.

P and Q can be either Senior Manager or Clerk.

Rank	Case 2.	
	Person	Items
Chairman	U	Momos
Managing Director	R	Noodles
HOD	T	Sandwich
Senior Manager	P/Q	Patties
Assistant Manager	S	Pastry
Clerk	Q/P	Burger
Trainee	V	Rolls

Final arrangement as shown below:

Rank	Person	Items
Chairman	U	Momos
Managing Director	R	Noodles
HOD	T	Sandwich
Senior Manager	P/Q	Patties
Assistant Manager	S	Pastry
Clerk	Q/P	Burger
Trainee	V	Rolls

26. What is the rank of P from the top as per given designation order?

a) Fourth

b) Second

c) Third

d) Sixth

e) Either (1) or (4)

ANs: 5

27. The person whose designation is HOD likes which food items?

a) Patties

b) Sandwich

c) Noodles

d) Pastry

e) Either Pastry or Noodles

ANs: 2

28. If all the persons are arranged in alphabetical order from top to bottom with respect to designation placed in descending order then T's designation is_____?

  a) Managing Director
  b) HOD
  c) Senior Manager
  d) Assistant Manager
  e) Clerk

ANs: 4

29. How many people are there between the one who like Momos and the one who likes Burger?

  a) Four
  b) Five
  c) Three
  d) One
  e) Two

ANs: 1

30. If U is related to 'Sandwich, T is related to 'Pastry and R is related to 'Patties then S is related to which food items?

  a) Sandwich
  b) Noodles
  c) Rolls
  d) Patties
  e) Momos

ANs: 3

Designation	Person	Places
CEO	L	Panipat
COO	Y	Surat
CFO	P	Ambala
CTO	W	Chandigarh
CMO	T/J	Rajkot
CLO	J/T	Pune

Direction:- Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the question and both the statements and given answer.

31. How is 'Beautiful' written in a code language?

I. In a certain code language 'Kashmir is beautiful place' is written as 'iz ta pa na'

II. In a certain code language 'Beautiful Architecture of India' is written as 'na ka zu vx'

   a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

   b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

   c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.

   d) If the data in both statement I and II together are not sufficient to answer the question.

   e) If the data in both statement I and II together are necessary to answer the question.

Ans- e

From I and II,

Kashmir is beautiful place ↔ iz ta pa na   …(i)

Beautiful Architecture of India↔ na ka zu vx   …(ii)

From (i) and (ii), we get

Beautiful ↔ na

Thus, we can find the answer. Hence both I and II together are sufficient to answer.

32. How is B related to K?

I. L is wife of one of the sons of A and mother of the grandson of the father of C.

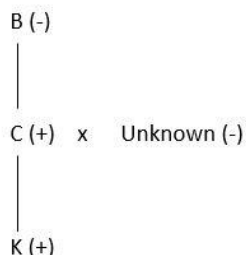II. B is mother of C. C is father of K but K is not the daughter of the wife of C.

   a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
   b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
   c) If the data either in statement I alone or in statement II alone is sufficient to answer the question.
   d) If the data in both statement I and II together are not sufficient to answer the question.
   e) If the data in both statement I and II together are necessary to answer the question.

Ans- b

From I Nothing has been said about B and K.

Thus, we can't find the answer.

From II.

```
                                    B (-)
                                     |
                                     |
                                     |
                    C (+)    x    Unknown (-)
                                     |
                                     |
                                     |
                                    K (+)
```

Thus, B is grandmother of K.

Hence II alone is sufficient to answer the question.

Direction:- Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read the question and both the statements and given answer.

33. Among O, R, A, N, G and E, who sits second to the left of R? All are sitting around a circular table facing the centre.

I. G is the immediate neighbor of A and R. E sits second to the left of O.

II. N sits opposite G and is the immediate neighbor of E and O. A sits third to the left of O.

   a) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
   b) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
   c) If the data either in statement I alone or in statement II alone are sufficient to answer the question.
   d) If the data in both statement I and II together are not sufficient to answer the question.
   e) If the data in both statement I and II together are necessary to answer the question.

Ans- e

From I and II,
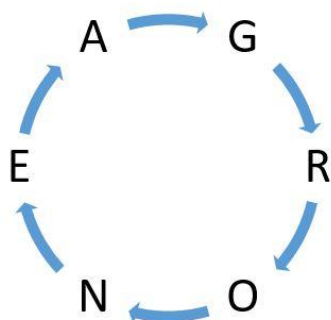
N sits second to the left of R. Hence both I and II together are necessary to answer.

34. In the following question, select the word which cannot be formed using the letters of the given word.

ADJUSTMENT

    a) MADE
    b) STUDENT
    c) DUST
    d) MANDATE
    e) DENT

Ans- d

'MANDATE' is the only not possible word.

35. Each consonant of the word 'AUSTERE' is changed to the previous letter in the English alphabetical series and each vowel is changed to the next letter in the English alphabetical series. If the new alphabet thus formed are arranged in alphabetical descending order (from left to right), which of the following will be in the middle?

    a) S
    b) R
    c) Q
    d) F
    e) None of these

Ans- c

The given word: A U S T E R E

New word: B V R S F Q F

Arrange alphabets in descending order from left to right.

V S R Q F F B

Hence, Q in the middle.

36. **Statement** : **'Move into the upper echelons without paying a steep price — Book a luxurious at with us'. An advertisement of a construction company for its prestigious project.**

Assumptions : I. It is possible to join the select bank of rich people by hard work.

II. Staying in luxury without paying steep price is the criterion of upper crust of the society.

III. Booking a luxurious at is very easy now.

    a) Only II is implicit
    b) Only II and III are implicit
    c) None is implicit
    d) Only III is implicit
    e) None of these

Ans- d

The statement advocates that a person can upgrade to a high life style by paying a low price to book a luxurious, upper-class at. So, III is implicit. However, nothing about the nature of the upper-class or the ways of becoming rich can be assumed from the given statement. So, neither I nor II is implicit.

Direction:- In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions can be assumed in the statement.

37. Statement :

World Bank doubles funding to $200 billion to tackle climate change, sending an important signal to the wider global community to do the same.

Which of the following can be assumed from the given statement?

Assumption :

I. Climate change is one of the greatest environmental threat humanity has ever faced and it is harming people and ecosystems around the globe.

II. The issue of climate change requires more attention than poverty, corruption and financial crisis, which in turn require more funds.

    a) Either I or II
    b) Only II
    c) Neither I nor II
    d) Only I
    e) Both I and II

Ans- d

Statement I can be assumed from the given statement as the reason behind increase in funding can be the alarming challenge of climate change which require more focus and fund to deal with it. Statement II can't be assumed from the given statement as we can't compare the problem of climate change with other global issues.

38. **Statement** : "If we use more advanced technology driven machines for our product then we can improve the quality of our product to increase the number of customers from our rival company A"- A statement by CEO of company B.

Which of the following can be assumed from the given statement?

a) Quality offered by company A of the product is far better than the quality offered by company B.

b) Only with advanced machines, the quality of the product offered by the company B will be improve.

c) If we depend more on machines then, there are high chances that persons who are working their will lose their job.

d) Company A is already using a far more advanced technology machines than company B.

e) Superior quality will probably increase the demand of the product in the market.

Ans- e

For (1) Cannot be assumed as nothing has been mentioned about the quality offered by the company A. For(2) we can't assume that only with advanced technology the quality will definitely improve. For(3) Nothing has been mentioned that persons will lose their job so can't be assumed. For(4)Can't say anything about the company A. For(5)Can be assumed from the statement as better quality is always a major factor of concern for customers and thus demand for a better product will probably increase.

Direction:- Below in each of the questions are given two statements I and II.

These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statements.

Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

39. Statement:

I)Yoga helps in building immunity in body.

II) Too much intake of Fast food causes obesity.

    a) If statement I is the cause and statement II is its effect.

    b) If statement II is the cause and statement I is its effect.

    c) If both the statements I and II are independent causes.

    d) If both the statements I and II are effects of independent causes.

Ans- c

Both are causes but are not related to one another

40. Statement :

I)Long queue was seen at the platform ticket counter at New Delhi Railway Station.

II)Railways has been rigorously checking the platform tickets at all the Railway Stations.

    a) If statement I is the cause and statement II is its effect.

    b) If statement II is the cause and statement I is its effect.

    c) If both the statements I and II are independent causes.

    d) If both the statements I and II are effects of independent causes.

    e) If both the statements I and II are effects of some common cause.

Ans- b

Since Railway is checking the platform tickets, people are seen standing in queues to buy the tickets.

Quantitative Aptitude

Directions :- Answer the questions based on the information given below.

Three game creators (A, B and C) were assigned to prepare 150 games each in a month. Each creator has to prepare game (Sports + Action) of three types (Level 1, Level 2 and Level 3) i.e., 50 game of each type.

For A: Number of level 1 Action game created by him is 20% of total game assigned by to him. Number of level 1 sports game created is 5 less than number of level 2 sports game created by him. Ratio of number of level 2 and level 3 Action game created is 5:7, respectively.

For B: B created 5 less level 2 Action game than A. Number of level 1 sports game created by him is half the number of level 2 sports game created by him. Sum of level 1 and level 3 Action game created by him is 45.

For C: Number of level 1 sports game created by him is equal to average number of level 2 and level 3 sports game created by B. Number of level 2 Action game created by him is 5 more than level 1 Action game created by him. Number level 3 sports game created by him are equal to number of level 2 sports game created by A

41. If A got Rs. 500 and Rs. 300 for each level 1 action game and each level 1 sports game, respectively while C got Rs. 1200 and Rs. 800 for each level 3 action game and each level 3 sports game, respectively then find the difference between amounts received by A for level 1 games and that by C for level 3 games.

Option:-

a) Rs. 25000
b) Rs. 21000
c) Rs. 25000
d) Rs. 39000
e) Rs. 29000

Answer: e-

For A: Number of level 1 Action games created = 0.2 × 150 = 30

Number of level 1 sports games created = 50 – 30 = 20

Number of level 2 sports games created = 20 + 5 = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of level 3 Action games created = 25 × (7/5) = 35

Number of level 3 sports games created = 50 – 35 = 15

For B:

Number of level 2 Action games created = 25 – 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 1 sports games created = 30/2 = 15

Number of level 1 Action games created = 50 – 15 = 35

Number of level 3 Action games created = 45 – 35 = 10

Number of level 3 sports games created = 50 – 10 = 40

For C:

Number of level 1 sports games created = {(30 + 40)/2} = 35

Number of level 1 Action games created = 50 – 35 = 15

Number of level 2 Action games created = 15 + 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 3 sports games created = 25

Number of level 2 Action games created = 50 – 25 = 25

Amount received by A for level 1 games = (30 × 500) + (20 × 300) = 15000 + 6000 = Rs. 21000

Amount received by C for level 3 games = (25 × 1200) + (25 × 800) = 30000 + 20000 = Rs. 50000

Required difference = 50000 – 21000 = Rs. 29000

42. Find the ratio of number of Action games of level 2 and level 3, together created by A to number of Sports games of level 2 and level 3, together created by B.

Options :

   a) 6:5
   b) 5:7
   c) 3:7
   d) 6:7
   e) 2:7

Answer : d

For A:

Number of level 1 Action games created = 0.2 × 150 = 30

Number of level 1 sports games created = 50 – 30 = 20

Number of level 2 sports games created = 20 + 5 = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of level 3 Action games created = 25 × (7/5) = 35

Number of level 3 sports games created = 50 – 35 = 15

For B:

Number of level 2 Action games created = 25 – 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 1 sports games created = 30/2 = 15

Number of level 1 Action games created = 50 – 15 = 35

Number of level 3 Action games created = 45 – 35 = 10

Number of level 3 sports games created = 50 – 10 = 40

For C:

Number of level 1 sports games created = {(30 + 40)/2} = 35

Number of level 1 Action games created = 50 – 35 = 15

Number of level 2 Action games created = 15 + 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 3 sports games created = 25

Number of level 2 Action games created = 50 – 25 = 25

Required ratio = (25 + 35):(30 + 40) = 60:70 = 6:7

43. B took 10 hours to create each level 1 Action game and 3 hours to create each level 1 Sports game. C took 2 hours less and 2 hours more than B to create each level 1 Action game and each level 1 Sports game, respectively. Find the average of time taken by B and C to create all level 1 game.

Options :

   a) 345 hours
   b) 325 hours
   c) 305 hours
   d) 340 hours
   e) 395 hours

Answer : a

For A:

Number of level 1 Action games created = 0.2 × 150 = 30

Number of level 1 sports games created = 50 – 30 = 20

Number of level 2 sports games created = 20 + 5 = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of level 3 Action games created = 25 × (7/5) = 35

Number of level 3 sports games created = 50 – 35 = 15

For B:

Number of level 2 Action games created = 25 – 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 1 sports games created = 30/2 = 15

Number of level 1 Action games created = 50 – 15 = 35

Number of level 3 Action games created = 45 – 35 = 10

Number of level 3 sports games created = 50 – 10 = 40

For C:

Number of level 1 sports games created = {(30 + 40)/2} = 35

Number of level 1 Action games created = 50 – 35 = 15

Number of level 2 Action games created = 15 + 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 3 sports games created = 25

Number of level 2 Action games created = 50 – 25 = 25

Total time taken by B to create level 1 games = (35 × 10) + (15 × 3) = 350 + 45 = 395 hours

Total time taken by C to create level 1 games = (15 × 8) + (35 × 5) = 295 hours

Required difference = {(395 + 295)/2} = 345 hours

44. Number of Action games created by A is how much percent more/less than number of Action games created by C?

Options :

   a) 60%
   b) 25%
   c) 50%
   d) 40%
   e) 45%

Answer : c

For A:

Number of level 1 Action games created = 0.2 × 150 = 30

Number of level 1 sports games created = 50 – 30 = 20

Number of level 2 sports games created = 20 + 5 = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of level 3 Action games created = 25 × (7/5) = 35

Number of level 3 sports games created = 50 – 35 = 15

For B:

Number of level 2 Action games created = 25 – 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 1 sports games created = 30/2 = 15

Number of level 1 Action games created = 50 – 15 = 35

Number of level 3 Action games created = 45 – 35 = 10

Number of level 3 sports games created = 50 – 10 = 40

For C:

Number of level 1 sports games created = {(30 + 40)/2} = 35

Number of level 1 Action games created = 50 – 35 = 15

Number of level 2 Action games created = 15 + 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 3 sports games created = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of Action games created by A = 30 + 25 + 35 = 90

Number of Action games created by C = 15 + 20 + 25 = 60

Required percentage = {(90 – 60)/60} × 100 = 50%

45. Number of Sports games created by A and C, together is how much percent of total games assigned to them together?

Options :

  a) 60%

  b) 15%

  c) 20%

  d) 100%

  e) 50%

Answer : e

For A:

Number of level 1 Action games created = 0.2 × 150 = 30

Number of level 1 sports games created = 50 – 30 = 20

Number of level 2 sports games created = 20 + 5 = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of level 3 Action games created = 25 × (7/5) = 35

Number of level 3 sports games created = 50 – 35 = 15

For B:

Number of level 2 Action games created = 25 – 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 1 sports games created = 30/2 = 15

Number of level 1 Action games created = 50 – 15 = 35

Number of level 3 Action games created = 45 – 35 = 10

Number of level 3 sports games created = 50 – 10 = 40

For C:

Number of level 1 sports games created = {(30 + 40)/2} = 35

Number of level 1 Action games created = 50 – 35 = 15

Number of level 2 Action games created = 15 + 5 = 20

Number of level 2 sports games created = 50 – 20 = 30

Number of level 3 sports games created = 25

Number of level 2 Action games created = 50 – 25 = 25

Number of Action games created by A = 30 + 25 + 35 = 90

Number of Action games created by C = 15 + 20 + 25 = 60

Required percentage = {(20 + 25 + 15 + 35 + 30 + 25)/(150 + 150)} × 100 = 50%

Directions:- Find the missing term in the following number series..

46. 9   19.5   41.5   86.5   177.5   ?

Options :

   a) 375
   b) 360.5
   c) 242.5
   d) 480
   e) 285

Answer : 14-

9 × 2 + 1.5 = 19.5

19.5 × 2 + 2.5 = 41.5

41.5 × 2 + 3.5 = 86.5

86.5 × 2 + 4.5 = 177.5

*177.5 × 2 + 5.5 = **360.5***

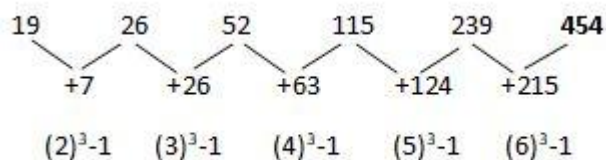*Direction:- **What should come in place of the question mark '?' in the following number series?**

47. 19, 26, 52, 115, 239, ?

Options :

   a) 441
   b) 454
   c) 530
   d) 524
   e) 622

Answer : 454

Pattern:

19		26		52		115		239		**454**

$+7 \quad +26 \quad +63 \quad +124 \quad +215$

$(2)^3-1 \quad (3)^3-1 \quad (4)^3-1 \quad (5)^3-1 \quad (6)^3-1$

48. ?   89   98   123   172   253

Options :

    a) 78

    b) 79

    c) 68

    d) 88

    e) 80

Answer : d

$+ 1^2 , +3^2, + 5^2, + 7^2, + 9^2$

Direction:- In each of the following questions a number is missing. Find this missing number from the following alternatives.

49. 47   47   46   42   32   ?

Options :

    a) 14

    b) 13

    c) 12

    d) 11

    e) None of these

Answer : 14

The series is :- $+1-1^2, +3-2^2, +5-3^2, +6-4^2, +7-5^2$

50.   20   40   120   480   ?   14400

Options :

    a)   4014

    b)   3960

    c)   2100

    d)   2400

    e)   None of these

Answer : d

The series is :-

x2, x3, x4, x5, x6…

51. A car costing Rs. 6,00,000 of a person depreciated at the rate of 16% in the first year, 14% in the second year and so on. House of that person, costing Rs. 8,00,000 appreciated at the rate of 11% in the first year, 13% in the second year and so on. What was the change in total value of car and house at the end of 3 years?

Options :

    a)   Rs. 1,24,156

    b)   Rs. 1,05,330

    c)   Rs. 1,45,283

    d)   Rs. 1,35,383

    e)   None of these

Answer : d

Original cost of a car and house = 600000 + 800000 = Rs. 14,00,000

New cost of car = 600000 × 0.84 × 0.86 × 0.88 = Rs. 381427.2

New cost of house = 800000 × 1.11 × 1.13 × 1.15 = Rs. 1153956

∴ Total new cost = Rs. 15,35,383.2

∴ Change = increase of Rs. 1,35,383.2 ≈ Rs. 1,35,383

52. The ratio of males and females in a zoo is 4:5 respectively and the percentage of children among males and the percentage of children among females are 15% and 20% respectively. If the number of adult females in the zoo is 5200 then what will be the total population in a zoo?

Options :

 a) 12144

 b) 18440

 c) 10400

 d) 11700

 e) None of these

Answer : d

Let the number of males and females be 4x and 5x respectively.

Percentage of children among females = 20%

So, 80% of females are adults,

=> 80/100 × 5x = 5200

=> 5x = 6500

=> x = 1300

Total population = 4x + 5x = 9x = 9 × 1300 = 11700

53. Two partners A and B started a business by investing Rs. 'X + 10' and Rs. 'X' respectively. After 'Y' months, C joined them with an investment of half of the investment of A. If Profit received by A, B and C after '2Y' months partnership are in the ratio 3P: 2X: 2Q respectively, then what is the value of P?

I.(8Q/3)

II. (3Y + 2)/2

III. 2(X + 10)/3

Options :

 a) only I

 b) only II

 c) I and III

 d) II and III

 e) I and II

Answer : c

Investment of A = X + 10

Investment of B = X

Investment of C = (X + 10)/2

Then, Profit ratio, A: B: C = ((X + 10) x 2Y): (X x 2Y): ((X + 10)/2) x Y

Profit ratio, A: B: C = 3P: 2X: 2Q

Then, ((X + 10) x 2Y): (X x 2Y) = 3P: 2X

P = 2(X + 10)/3

And, ((X + 10) x 2Y): ((X + 10)/2) x Y = 3P: 2Q

P = 8Q/3

54. Mahira bought 40 kg broccoli for Rs 60 per kg, b kg broccoli for Rs 70 per kg and (b + 8) kg broccoli for Rs 50 per kg. She mixed all type of broccolis together and the average cost price of 1 kg broccoli is Rs 59.2. Find the quantity of broccoli that is bought at Rs 50 per kg.
Options :
   a) 41kg
   b) 28kg
   c) 34kg
   d) 54kg
   e) None of these

Answer : c

According to the question,
40 x 60 + b x 70 + (b + 8) x 50 = 59.2 x (40 + b + b + 8)
2400 + 70b + 50b + 400 = 59.2 x (48 + 2b)
*2800 + 120b = 2841.6 + 118.4b*
1.6b = 41.6
m = 26
Quantity of broccoli that is bought at Rs 50 per kg = 26 + 8 = 34 kg

55. There are two buckets X and Y containing mixture of milk and water in which concentration of milk is (a-6)% and (a+12)%, respectively. They are mixed together in a fixed ratio to get 51 litres of mixture of (a+8)% milk concentration. Find the amount of mixture used from bucket X.

Options :

    a) 12 litres

    b) 18 litres

    c) 26 litres

    d) 30 litres

    e) None of these

Answer : d

```
Bucket X          Bucket Y

(a-6)%            (a+12)%


        (a+8)%


20%                14%
```
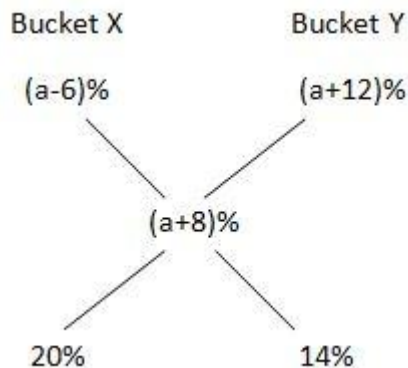
Ratio = 20 : 14 = 10 : 7

Therefore, required amount of mixture used from bucket X = 10/17 x 51 = 30 litres.

Direction:- **Study the following information and answer the following questions:**

Following table Show the number of males, female and children living in India's 5 Slums.

Ratio between Male Children and Female Children is also given.

Some of the data in the table is missing; which you have to calculate according to the questions given below.

Slums	Total population	Male	Female	Children	Male children: Female children
Bhalswa	30000	37%		2475	6:5
Nochikuppam		18000	40%	20%	3:2
Basanti				15%	8:7
Indiramma	37500		35%	9000	1:1
Mehbullahpur		35%	40%	11250	2:3

Note - Total Population of all the slums is 210000.

56. If ratio of male and female from Slums of Basanti is in the ratio of 14:11. Then find the difference between male and female from the slum of Basanti?

Options :

 a) 5355
 b) 5165
 c) 5035
 d) 5745
 e) None of these

Answer : a

For Bhalswa

Total population = 30000

Male = 30000 x 37% = 11100

Female population = Total Population – Male population - Children = 30000 – 11100 – 2475 = 16425

Similarly, **For Indiramma**

Total population = 37500

Female population = 35% of 37500 = 13125

Male population = Total Population – Female population - children = 37500 – 13125 – 9000 = 15375

For Nochikuppam

Female Population = 40% and Children = 20%

Thus, Male Population = 18000 = 40%, Female Population = 40% = 18000, Children = 20% = 9000

Total population becomes = 18000 + 18000 + 9000 = 45000

For Mehbullahpur

Since, Male Population = 35% and Female Population = 40%, Children = 25% = 11250

Total population = 45000

Thus, numbers of Male = 15750 and Female Population = 18000

For Basanti

Total population of all slums = 210000

Total Population of Basanti = 210000 – (30000 + 45000 + 45000 + 37500) = 52500

Total male & female from slums of Basanti = 85% of 52500 = 44625

Ratio of male and female from Slums of Basanti = 14:11

Male = 44625 x (14/25) = 24990

Female = 44625 – 24490 = 19635

Required difference = 24990 – 19635 = 5355

57. Find out total number Female children from all the Slums together?

Options :

a) 19250

b) 19950

c) 19650

d) 19350

e) None of these

Answer : c

For Bhalswa

Total children = 2475

Male children: Female children = 6:5

Thus, male children = 2475 x 6/11 = 1350, female children = 2475 – 1350 = 1125

For Nochikuppam

Total children = 9000

Male children: Female children = 3:2

Thus, male children = 9000 x 3/5 = 5400, female children = 9000 – 5400 = 3600

For Basanti

Total children = 15% of 52500 = 7875

Male children: Female children = 8:7

Thus, male children = 7875 x 8/15 = 4200, female children = 7875 – 4200 = 3675

For Indiramma

Total children = 9000

Male children: Female children = 1:1

Thus, male children = 9000 x 1/2 = 4500, female children = 9000 – 4500 = 4500

For Mehbullapur

Total children = 11250

Male children: Female children = 2:3

Thus, male children = 11250 x 2/5 = 4500, female children = 11250 – 4500 = 6750

Total number Female children from all the Slums together

= 1125 + 3600 + 3675 + 4500 + 6750 = 19650

58. Total male and female from Basanti and Indiramma together is what % more or less than the total number of Male Children from all Slums together?

Options :

   a) 266.54% more

   b) 242.28% more

   c) 258.46% less

   d) 234.62% less

   e) None of these

Answer : a

Total male and female from Basanti and Indiramma = 44625 + 28500 = 73125

Total number of Male Children from all Slums =

1350 + 5400 + 4200 + 4500 + 4500 = 19950

Required % = [(73125 – 19950)/19950] x 100 = 266.54% more

59. If in the next year, there is 15% increase in the population of slums of Nochikuppam , while % increase in Male and female is 10% and 12% respectively. Find by what % increase or decrease in Children population as compare to last year?

Options :

a) 43%

b) 23%

c) 17%

d) 31%

e) None of these43%

Answer : 60%

In the next year, there is 15% increase in the population of slums of Nochikuppam

= 115% of 45000 = 51750

While % increase in Male Population is 10% = 18000 x 110% = 19800

12% increase in female population = 18000 x 112% = 20160

Children = 51750 – 19800 – 20160 = 11790

Required % = [(11790 – 9000)/9000] x 100 = 31%

60. Total female (Adult) is what % of Total male (Adult) from all the Slums of Together?

Options :

a) 29560

b) 31240

c) 33520

d) Cannot be determined

e) None of these

*Answer : Cannot be determined*

As we don't know the number of Female and Males of Basanti.

Thus, Can't be determined.

Direction:- Answer the questions based on the information given below.

All India medical test held in five different phases and different number of candidates (male, female and transgender) attempted the paper. The pie chart given below shows the distribution of number of males who attempted exam, either in percentage or in degree measures. Total number of candidates who attempted exam in 3rd phase is 928 less than the total number of candidates who attempted exam in 2nd phases.

Distribution of number of male candidates

■ 1st phase ■ 2nd phase ■ 3rd phase ■ 4th phase ■ 5th phase
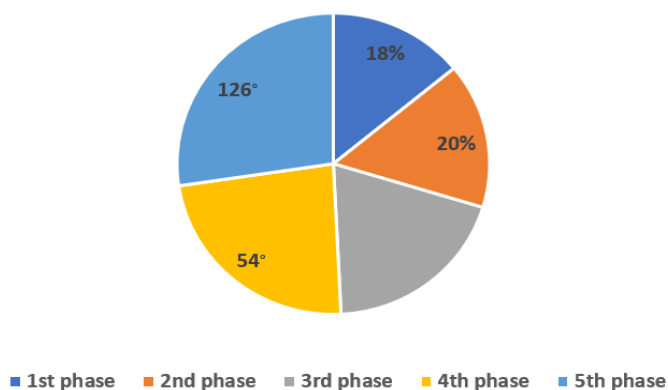
The line graph given below shows the average of the number of transgender and female candidates who attempted exam and percentage by which number of transgender candidates who attempted exam are less than number of male candidates who attempted exam

—— Average number of female and transgender candidates

—— Percentage by which transgender candidates are less than that of male
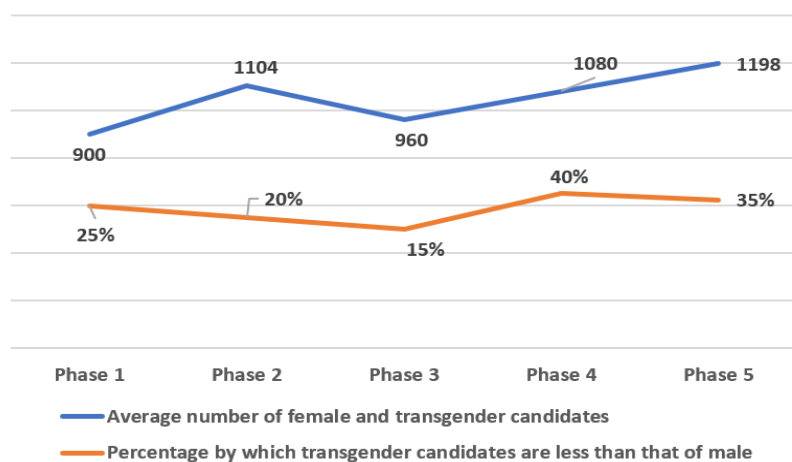
Solution:-

Percentage of male candidates who attempted exam in 4th phase = 54/3.6 = 15%

Percentage of male candidates who attempted exam in 5th phase = 126/3.6 = 35%

Percentage of male candidates who attempted exam in 3th phase = 100 - (15 + 35 + 18 + 20) = 12%

Let total number of male candidates be 'x'

Number of male candidates who attempted exam in 3th phase = 0.12 × x = 0.12x

Number of male candidates who attempted exam in 2th phase = 0.20 × x = 0.2x

Number of female and transgender candidates together who attempted exam in 3th phase = 960 × 2 = 1920

Number of female and transgender candidates together who attempted exam in 2th phase = 1104 × 2 = 2208

0.20x + 2208 – 0.12x – 1920 = 928

Or, 0.08x = 640

Or, x = 8000

Phase	Number of males candidates	Number of transgenders candidates	Number of females candidates	Total number of candidates
Phase 1st	0.18 × 8000 = 1440	0.75 × 1440 = 1080	2 × 900 – 1080 = 720	1440 + 1080 + 720 = 3240
Phase 2nd	0.20 × 8000 = 1600	0.80 × 1600 = 1280	2 × 1104 – 1280 = 928	1600 + 1280 + 928 = 3808
Phase 3rd	0.12 × 8000 = 960	0.85 × 960 = 816	2 × 960 – 816 = 1104	960 + 816 + 1104 = 2880
Phase 4th	0.15 × 8000 = 1200	0.60 × 1200 = 720	2 × 1080 – 720 = 1440	1200 + 720 + 1440 = 3360
Phase 5th	0.35 × 8000 = 2800	0.65 × 2800 = 1820	2 × 1198 – 1820 = 576	2800 + 1820 + 576 = 5196

61. What is the ratio of total number of candidates who attempted exam in 2nd phase and 4th phase respectively?

Options :

  a) 16:15

  b) 13:15

  c) 14:15

  d) 17:13

  e) 17:15

Answer : e

Desired ratio = 3808:3360 = 17:15

62. Number of transgender candidates who attempted their exam 3rd and 4th phase together is how much percent more/less than number female candidates who attempted their exam in 5th phase.

Options :

  a) 166.67%

  b) 156.67%

  c) 176.67%

  d) 160.67%

  e) 161.67%

Answer : 166.67%

Number of transgender candidates who attempted their exam in 3rd phase and 4th phase together = 816 + 720 = 1536

Desired Percentage = [(1536 – 576)/576] × 100 = 166.67%

63. What is the average of number of female candidates who attempted exam in 1st, 2nd, 3rd and 4th phase together?

Options :

a) 1048

b) 1008

c) 1058

d) 1748

e) 1057

Answer : 1048

Desired Average = (720 + 928 + 1104 + 1440)/4 = 1048

64. In the question, two quantities I and II are given. You have to solve both the quantities to establish the correct relation between Quantity I and Quantity-II and choose the correct option**.**

Quantity I: If 75% of the total candidates passed the exam. Find the total number of candidates who did not succeed.

Quantity II: Find the total number of transgenders who appeared in 1st, 3rd, 4th and 5th phases together

Options :

a) Quantity II ≥ Quantity I

b) Quantity I ≥ Quantity II

c) Quantity I = Quantity II

d) Quantity I < Quantity II

e) Quantity I > Quantity II

Answer : Quantity I > Quantity II

Quantity I:

Required number: 0.25 × 18484 = 4621

Quantity II:

Required number: 1080 + 816 + 720 + 1820 = 4436

Quantity I > Quantity II

Direction:- Answer the questions based on the information given below.

The speed of boat 'A' in still water is 1/5th more than the speed of stream. After travelling for 5 hours in downstream, the speed of boat 'A' in still water is increased by 4 km/hr and it travelled for 10 hours more. While returning the speed of boat 'A' in still water is further decreased by 6 km/hr and the boat travelled for 2 hours. The total distance travelled by boat 'A' is 521 km.

65. Find the total distance covered by boat 'A' if it travelled for 10 hours in downstream and for 24 hours in upstream with original speed.

Options :

a) 412 km

b) 400 km

c) 432 km

d) 402 km

e) 410 km

Answer : 402 km

Let the speed of the current be 5x km/hr

Therefore, speed of boat 'A' in still water = 6/5 × 5x = 6x km/hr

According to the question,

(5x + 6x) × 5 + (5x + 6x + 4) × 10 + (6x + 4 − 6 − 5x) × 2 = 521

Or, 55x + 110x + 40 + 2x − 20 = 521

Or, 167x = 501

Or, x = 3

Therefore, speed of boat 'A' in still water = 6x = 18 km/hr

Speed of the current = 5x = 15 km/hr

Required distance travelled = {(18 + 15) × 10} + {(18 − 15) × 24} = 330 + 72 = 402 km

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66. The ratio of the speed of boats 'A' and 'B' in still water is 3:7, respectively. After travelling for 5 hours in upstream, the boat 'B' returned back by the same route and travelled for 5 hours more by decreasing its speed in still water by 8 km/hr. Find the total distance covered by boat 'B'.

Options :

   a) 380 km
   b) 310 km
   c) 300 km
   d) 390 km
   e) 330 km

Answer : 380 km

Let the speed of the current be 5x km/hr

Therefore, speed of boat 'A' in still water = 6/5 × 5x = 6x km/hr

According to the question,

(5x + 6x) × 5 + (5x + 6x + 4) × 10 + (6x + 4 – 6 – 5x) × 2 = 521

Or, 55x + 110x + 40 + 2x – 20 = 521

Or, 167x = 501

Or, x = 3

Therefore, speed of boat 'A' in still water = 6x = 18 km/hr

Speed of the current = 5x = 15 km/hr

Speed of boat 'B' in still water = 18 × (7/3) = 42 km/hr

Required distance travelled = {(42 – 15) × 5} + {(42 – 8 + 15) × 5} = 135 + 245 = 380 km

Direction:- Answer the questions based on the information given below.

Ashish, Bhanu and Cherry can complete a piece of work in 'x' days, 36 days and 'x + 7' days respectively. All of them started doing the work together but Ashish left the work after 3 days and Bhanu left the work 8 days before completion of the work, such that the whole work is completed in 17 days.

67. Find the time taken by Cherry alone to complete the whole work?

Options :

  a) 27 days
  b) 18 days
  c) 20 days
  d) 26 days
  e) 28 days

Answer : 28 days

According to question;

Cherry worked for 17 days.

Ashish worked for 3 days.

And, Bhanu worked for 9 (17 – 8) days.

So, $3/x + 9/36 + 17/(x + 7) = 1$

Or, $3/x + 17/(x + 7) = 1 – ¼$

Or, $3/x + 17/(x + 7) = ¾$

Or, $(3x + 21 + 17x)/(x (x+7)) = ¾$

Or, $4(20x + 21) = 3(x^2 + 7)$

Or, $3x^2 – 59x – 84 = 0$

Or, $3x^2 – 63x + 4x – 84 = 0$

Or, $3x(x – 21) + 4(x – 21) = 0$

Or, $(3x + 4)(x – 21) = 0$

Or, $x = 21$ or $x = -4/3$ (not possible)

Total time taken by Cherry alone to complete the whole work = x + 7 = 21 + 7 = 28 days

68. If efficiency of Dolly is 25% more than combined efficiency of Ashish and Bhanu together then Dolly will complete (19/56)th part of the work in:

Options :

   a) 3 (1/4) days
   b) 3 (1/2) days
   c) 3 (1/3) days
   d) 3 (1/5) days
   e) 5 (1/4) days

Answer : 3 (1/4) days

According to question;

Cherry worked for 17 days.

Ashish worked for 3 days.

And, Bhanu worked for 9 (17 – 8) days.

So, 3/x + 9/36 + 17/(x + 7) = 1

Or, 3/x + 17/(x + 7) = 1 – 1/4

Or, 3/x + 17/(x + 7) = 3/4

Or, (3x + 21 + 17x)/(x (x+7)) = 3/4

Or, 4(20x + 21) = 3(x^2 + 7)

Or, 3x^2 – 59x – 84 = 0

Or, 3x^2 – 63x + 4x – 84 = 0

Or, 3x(x – 21) + 4(x – 21) = 0

Or, (3x + 4)(x – 21) = 0

Or, x = 21 or x = -4/3 (not possible)

Time taken by Ashish to complete the whole work = x = 21 days

Time taken Charu to complete the whole work = x + 7 = 28 days

Let total amount of work = 252 units (LCM of 21, 36 and 28)

Efficiency of Ashish = 252/21 = 12 units per day

*Efficiency of Bhanu = 252/36 = 7 units per day*

Efficiency of Dolly = 1.25 × (12 + 7) = 23.75 units per days

Desired time = {19/56 × 252}/23.75 = 3 (1/4) days

Direction:- Answer the questions based on the information given below.

The given bar graph shows the total number of death cases in by five different cities over 5 years due to XYZ virus.

Number of deaths in City A   Number of deaths in City B
Number of deaths in City C   Number of deaths in City D
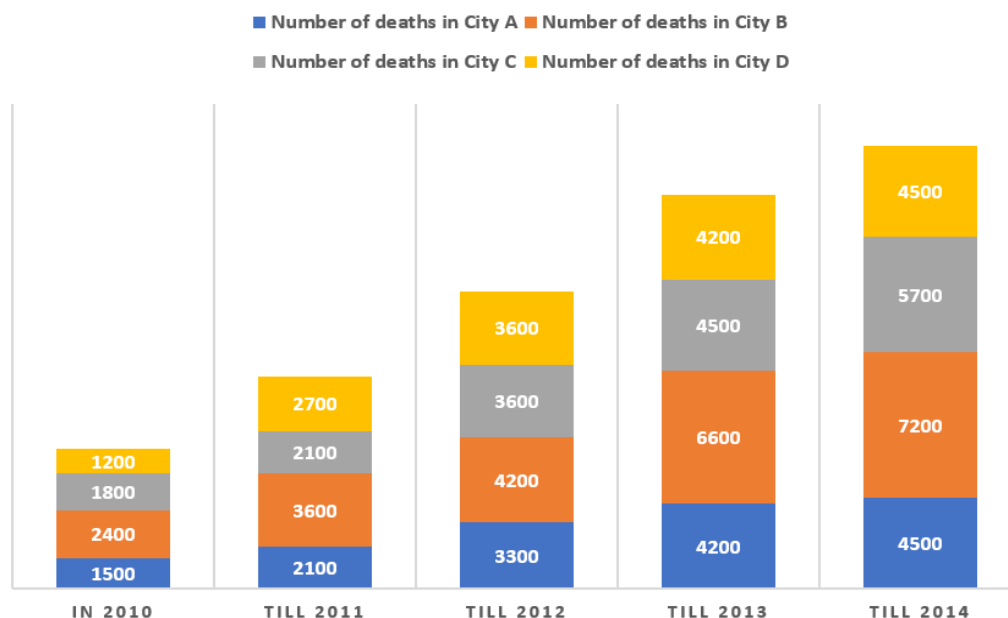
Solution:-

	Number of deaths cases in cities			
	A	B	C	D
In 2010	1500	2400	1800	1200
In 2011	2100 – 1500 = 600	3600 – 2400 = 1200	2100 – 1800 = 300	2700 – 1200 = 1500
In 2012	3300 – 2100 = 1200	4200 – 3600 = 600	3600 – 2100 = 1500	3600 – 2700 = 900
In 2013	4200 – 3300 = 900	6600 – 4200 = 2400	4500 – 3600 =900	4200 – 3600 = 600
In 2014	4500 – 4200 = 300	7200 – 6600 = 600	5700 – 4500 = 1200	4500 – 4200 = 300

69. The total number of death cases in city 'A' and 'B', together in 2011 is how much percent more/less than the total number of death cases in city 'C' in 2012 and 2013, together?

Options :

a) 25%

b) 22%

c) 23%

d) 24%

e) 21%

Answer : 25%

Number of death cases in city 'A' and 'B', together in 2011 = 600 + 1200 = 1800

Number of death cases in city 'C' in 2012 and 2013, together = 1500 + 900 = 2400

Required percentage = (2400 – 1800)/2400} × 100 = 25%

70. Find the average of number of death cases in city 'A', 'B' and 'D' in 2012 due to virus.

Options :

a) 950

b) 800

c) 850

d) 400

e) 900

Answer : 900

Required average = (1200 + 600 + 900)/3 = 900

71. Out of total number of death cases in city 'A' and 'B', together in 2013, 3/4th are immigrants while out of total deaths in city 'D' in 2014, 1/5th are non-immigrants. Find the ratio of number of death cases in city 'A' and 'B', together in 2013, which non-immigrant to the number of death cases in city 'D' in 2014, who all are non-immigrants.

a) 35:4

b) 51:4

c) 55:3

d) 65:4

e) 55:4

Answer : 55:4

Required ratio = 0.25(900 + 2400):(0.20 × 300) = 825:60 = 55:4 (we can write 3/4th as 75%)

72. Find the difference between total number of death cases in city 'B' and 'C', together in 2014 and number of death cases in city 'D' in 2013

a) 1200

b) 1250

c) 1220

d) 1230

e) 1300

Answer : 1200

Required difference = (1200 + 600) – 600 = 1200

73. Find the ratio of the number of death cases in city 'A' and 'B', together in 2010 to that by cities 'C' and 'D', together in 2011.

a) 13:6

b) 10:6

c) 23:6

d) 11:6

e) 13:5

Answer : 13:6

Required ratio = (1500 + 2400):(300 + 1500) = 3900:1800 = 13:6

Direction:- Each question contains a statement followed by Quantity I, quantity II and Quantity III. Which of the following should be placed in the blank spaces of the expression "Quantity I __ Quantity II ___ Quantity III" from left to right with respect to the given statements?

74. Quantity I: Three pipes A, B and C can fill a tank in 12 hours. After working together for 9 hours, C is closed and A and B fill it in 9 hours more. The time taken by C alone to fill the tank is?

Quantity II: A tank is filled by three pipes with uniform flow. The first two pipes operating simultaneously fill the tank in the same time during which the tank is filled by the third pipe alone. The second pipe fills the tank 45 hours faster than the first pipe and 4 hours slower than the third pipe. The time required by the first pipe is?

Quantity III: Pipe P can fill a tank in 54 hrs, pipe Q is 25% more efficient than P and pipe R can fill the same tank in 7.2 hr less than Q. P and Q opened together for X hr and closed after that and pipe R fill remaining tank in (X + 12) hr, if the ratio between tank filled by (P + Q) together to tank filled by pipe R is 1 : 2. Find the value of X?

Options :

    a) <, >

    b) >, >

    c) < ,<

    d) =, =

    e) None of these

Answer : <, >

Quantity I: Let total capacity of tank = 12L

So, 1 hr work of A+B+C = 12/12 = 1L;

Now they worked together for 9 hours, so their's 9 hours work = 1 × 9 = 9L

So remianing work = 12 - 9 = 3L

So this remaining work is done by A & B in 9 hours, so 1 hour work of A+B = 3/9 = 1/3

So C's 1 hour work = (A+B+C)'s 1 hr work - (A+B)'s 1 hr work = 1 - (1/3) = 2/3;

Hence C alone will finish the tank in = 12/(2/3) = 18 hours .

Quantity II: Let time taken by third pipe to fill the tank = x hrs

So time taken by 2nd pipe to fill the tank = x + 4 hrs & time taken by 1st pipe to fill the tank = x + 4 + 45 = x + 49 hrs;

Hence 1/(x+4) +1/(x+49) = 1/x

(x+4+x+49)/ {(x+4)(x+49)} = 1/x

(2x+53)/(x^2+53x+196) = 1/x

2x^2+53x = x^2 + 53x + 196

x^2 = 196

x = 14 hrs

So time taken by 1st pipe to fill the tank = x + 49 = 14 + 49 = 63 hrs

Quantity III: P = 54 hr

P : Q = 100 : 125 = 4 : 5

Total capacity of tank = 54 x 4 = 216 litre

R = 216/5 − 7.2 = 36 hrs

R's efficiency = 216/36 = 6 litres/hr

According to question

⇒ 9X/[6(X + 12)] = 1/2

⇒ 3X = X + 12 = 2X = 12

x = 6 hr

Hence, Quantity I < Quantity II > Quantity III

75. Quantity I: A boat can cover 36 km upstream in 54 minutes. If the speed of the current is 3/7 of the boat in still water, then how much distance (in km) can the boat cover downstream in 36 minutes?

Quantity II: A boat takes 30 hours for travelling downstream from point P to point Q and coming back to point R midway between P and Q. If the velocity of the stream is 6 km/hr and the speed of the boat in still water is 22 km/hr, then find the distance between P to Q?

Quantity III: A boat takes 21 hours for travelling downstream from point A to point B and coming back to point C midway between A and B. If the velocity of the stream is 6 km/hr and the speed of the boat in still water is 9 km/hr, what is the distance between A and B?

Options :

    a) <, >

    b) >, >

    c) < ,<

    d) =, =

    e) None of these

Answer : <, >

Quantity I: Speed of upstream = (36 x 60)/54 = 40 km/hr

Speed of current: Speed of still water = 3: 7

Speed of upstream = Speed of boat in still water – speed of Current

40 = 4x

= > x = 10

Speed of current = 30 km/hr

Speed of boat in still water = 70 km/hr

Speed of downstream= Speed of boat in still water + speed of Current = > 70 + 30 = 100 km/hr

Speed = 100 km/hr, Time = 36 minutes

Distance = 100 x (36/60) = 60 km

Quantity II: *Speed of downstream = 22 + 6 = 28 km/hr*

Speed of upstream = 22 – 6 = 16 km/hr

Total time = 30 hours

If distance between P to Q is x, then distance between Q to R = x/2,

Time = Distance/Speed

x/28 + (x/2)/16 = 30

x/28 + x/32 = 30

60x/(28 x 32) = 30

x = (28 x 32 x 30)/60 = 448 km

The distance between P to Q = 448 km

Quantity III: *Downstream speed = 9 + 6 = 15 km/hr*

Upstream speed = 9-6 = 3 km/hr

Now total time is 21 hours

If distance between A and B is d,

then distance between B and C = d/2

Now distance/speed = time,

so d/15 + (d/2)/3 = 21

Solve, d = 90 km

Hence, Quantity I < Quantity II > Quantity III

Direction:- In each of the following questions, read the given statements and compare the two given quantities on it basis.

Give answer:

76. A man sold an article at a loss of 25%.

Quantity I. The cost price of an article, if he sells the article for Rs.140 more he would have got a profit of 10%.

Quantity II. New selling price to gain 10%, if present selling price of an article is Rs. 750.

Options :

    a) Quantity I > Quantity II

    b) Quantity I < Quantity II

    c) Quantity I ≥ Quantity II

    d) Quantity I ≤ Quantity II

    e) Quantity I = Quantity II or relation cannot be established.

Answer : Quantity I < Quantity II

Quantity I: Let the CP be x.

Then 125x/100 - 90x/100 = 140

⇒ 35x = 14000

⇒ x = 14000/35 = Rs. 400.

Quantity II: SP = Rs.400 and loss = 25%

Let CP be 'x'.

⇒ 750 = 75x/100

x = 750 x (100/75) = 1000

Now CP = Rs.1000 and profit = 10%

SP = Rs. 110 x (1000/100) = Rs. 1100

Quantity I < Quantity II

77. Quantity I: Find the distance if A man covers the same distance in 32 hours. He covers first half at 25 kmph and second half at 15 kmph.

Quantity II: The distance of the point from A where the two trains meet. The distance between two stations A and B is 150 km. A train leaves A towards B at an average speed of 35 km/hr. After 90 mins, another train leaves B towards A at an average speed of 40 km/hr.

Options :

    a) Quantity I > Quantity II

    b) Quantity I < Quantity II

    c) Quantity I ≥ Quantity II

    d) Quantity I ≤ Quantity II

    e) Quantity I = Quantity II or relation cannot be established.

Answer : Quantity I > Quantity II

Quantity I. Average Speed = 2 x 25 x 15/(25 + 15) = 18.75 km/hrs

D = S x T = 18.75 x 32 = 600 km

Quantity II. Let the distance be x km.

x/35 – (150 - x)/40 = 1.5

⇒ (8x - 1050 + 7x) /280 = 1.5

⇒ 15x – 1050 = 420

⇒   x = 1470/15 = 98 km.

Quantity I > Quantity II

Direction:- Following questions have two quantities as Quantity I and Quantity II. You have to determine the relationship between them and give answer as,

1) Quantity I > Quantity II

2) Quantity I ≥ Quantity II

3) Quantity I = Quantity II

4) Quantity I < Quantity II

5) Quantity I ≤ Quantity II

78. Battery A contains 60 liters mixture of acid and water and Battery B contains x liters mixture of acid and water in the ratio of 3:2.

Quantity I: If the quantity of water in Battery A is equal to the quantity of the acid in Battery B and the difference between quantity of the acid and water in Battery B is 8 liters, then the quantity of water in Battery A is what percent of the quantity of acid in Battery A?

Quantity II: If quantity of the water in Battery B is 16 liters, then the total quantity of the mixture in Battery B is what percent of the total quantity of the mixture in Battery A?

Options :

   a) 2
   b) 1
   c) 3
   d) 5
   e) 4

Answer : 3
From quantity I,
3x – 2x = 8 liters
Quantity of the acid in Battery B = 3 × 8 = 24 liters
Quantity of the water in Battery A = 24 liters
Quantity of the acid in Battery A = 60 – 24 = 36 liters
Required percentage = 24/36 × 100 = 66.67%
From quantity II,
Water quantity in Battery B = 16 liters
Total quantity of Battery B = 5/2 × 16 = 40 liters
Required percentage = 40/60 × 100 = 66.67%
Quantity I = Quantity II

79. Neeraj starts a business and after 3 months Dheeraj also joins the business. The initial investment of Neeraj and Dheeraj is in the ratio of 3:2, respectively. Neeraj and Dheeraj receives Rs. _____ and Rs. _____ respectively as profit after completion of one year of the company.

Which of the following satisfies the two blanks given in the questions?

I. Rs.2814, Rs.1407

II. Rs.1758, Rs.879

III. Rs.2356, Rs.1146

Options :

    a) Only I

    b) Only II

    c) Only III

    d) Only I and II

    e) Only II and III

Answer : Only I and II

The ratio of profit share of Neeraj and Dheeraj is Neeraj: Dheeraj = 3 × 12: 2 × (12 – 3) = 2: 1

From I: The profit ratio of Neeraj and Dheeraj = 2814: 1407 = 2: 1

This satisfies the given condition.

From II: The profit ratio of Neeraj and Dheeraj = 1758: 879 = 2: 1

This satisfies the given condition.

From III: The profit ratio of Neeraj and Dheeraj = 2356: 1146

This does not satisfies the given condition.
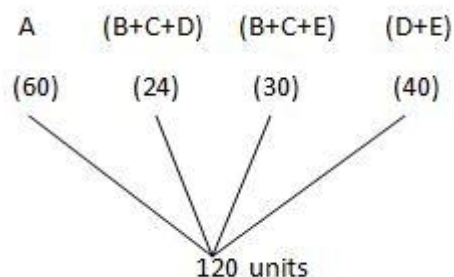
80. A tank is to be filled with water through five pipes. Pipe A can fill it in 60 days. Pipe B, C and D together can fill it in 24 days. Pipe B, C and E fill it in 30 days. Pipe D and E together can fill it in 40 days. In what time will the tank be filled if all the five pipes work simultaneously?

Options :

    a) 15

    b) 10

    c) 18

    d) 20

    e) None of these

Answer : 15

A   : (B+C+D) : (B+C+E) : (D+E)

2 :   5   :   4 :   3

(B+C+D) – (B+C+E) = 5 – 4

D – E = 1

D + E = 3

Solving above two equations we get,

D = 2 and E = 1

1 day work of A, B, C, D and E,

=> A + (B + C + D) + E

=> 2 + 5 + 1

=> 8 units

So all can do this job in = 120/8 = 15 days.

Alternate Solution:

Total volume = 140 unit

Capacity of pipe A = 2 unit/day

B + C + D = 5 unit/day

B + C + E = 4 unit/day

D + E = 3 unit/day

Adding above three equations,

B + C + D + E = 6 unit/ day

A + B + C + D + E = 8 unit/ day

Therefore time taken = 120/8 = 15 days.

General Awareness

81. Who is the current chairman of LIC (Life Insurance Corporation) of India?

Options :

   a) BC Patnaik

   b) M R Kumar

   c) Dinesh Kumar Khara

   d) Siddhartha Monty

   e) None of these

Answer : M R Kumar

Shri. Mangalam Ramasubramanian Kumar. Chairman, Life Insurance Corp of India.

82. Which of the following banks has launched "Salute Doctors" on the National Doctors Day which is held on 1st July every year?

Options :

   a) SBI Bank

   b) IDBI Bank

   c) ICICI Bank

   d) Yes Bank

   e) HDFC Bank

Answer : ICICI Bank

ICICI Bank, on 1st July 2021, National Doctors Day expressed their honor and gratitude towards the doctors who are the lifesavers for us and sacrifice.

83. How many Small Finance Banks are there in India as of 2021?

Options :

   a) 10

   b) 11

   c) 9

   d) 12

   e) 13

Answer : 11

1. *Au Small Finance Bank Limited*
2. *Capital Small Finance Bank Limited*
3. *Equitas Small Finance Bank Limited*
4. *Suryoday Small Finance Bank Limited*
5. *Ujjivan Small Finance Bank Limited*
6. *Utkarsh Small Finance Bank Limited*
7. *ESAF Small Finance Bank Limited*
8. *Fincare Small Finance Bank Limited*
9. *Jana Small Finance Bank Limited*
10. *North East Small Finance Bank Limited*
11. *Shivalik Small Finance Bank Limited*

84. A scheduled commercial bank is one -
Options :
   a) Included in the Banking Regulation Act, 194
   b) Included in the Second Schedule of the RBI Act 1934
   c) Given a banking licence by RBI
   d) All three above
   e) None of the above

Answer : Included in the Second Schedule of the RBI Act 1934

A scheduled bank refers to a bank which is listed in the 2nd Schedule of the Reserve Bank of India Act, 1934. Banks not under this Schedule are called non-scheduled banks. Scheduled banks are usually private, foreign and nationalised banks operating in India.

85. The Reserve Bank of India (RBI) has doubled the maximum limit of funds account holders of payments banks can keep in their bank account to_____?
Options :
   a) 6 Lakhs
   b) 4 Lakhs
   c) 2 Lakhs
   d) No change
   e) None of these

Answer : 2 Lakhs

Earlier the limit was of ₹1 lakh, now the regulator has increased it to ₹2 lakh.

86. Currently there are how many members of NATO(North Atlantic Treaty Organization)?

Options :

    a) 28

    b) 29

    c) 30

    d) 31

    e) 33

Answer : 30

87. Cash-out at any ATM of more than ten hours in a month will attract a flat ₹ _____ penalty?

Options :

    a) ₹20,000

    b) ₹10,000

    c) ₹30,000

    d) ₹25,000

    e) ₹15,000

Answer : ₹10,000

Cash-out at any ATM of more than ten hours in a month will attract a flat penalty of ₹ 10,000/- per ATM.

88. The thirty-first meeting of the Monetary Policy Committee (MPC), constituted under section 45ZB of the Reserve Bank of India Act, 1934, will be held from?

Options :

    a) November 6- 8, 2021

    b) October 6- 8, 2021

    c) October 10 - 12, 2021

    d) November 11- 13, 2021

    e) None of these

Answer : October 6- 8, 2021

It will be attended by Michael Debabrata Patra, Deputy Governor in charge of monetary policy and also by Shri Shaktikanta Das, Governor.

89. Who is to be taken over as the New Managing director of BPCL?

Options :

- a) Vetsa Ramakrishna Gupta
- b) L R Jain
- c) Arun Kumar Singh
- d) Siddhartha Monty
- e) None of these

Answer : Arun Kumar Singh

Arun Kumar Singh has taken over as the new Chairman and Managing Director of Bharat Petroleum Corporation Ltd (BPCL).

90. The thirty-first meeting of the Monetary Policy Committee (MPC), constituted under section 45ZB of the Reserve Bank of India Act, 1934, will be held from?

Options :

- a) November 6- 8, 2021
- b) November 11- 13, 2021
- c) October 6- 8, 2021
- d) October 10 - 12, 2021
- e) None of these

Answer : October 6- 8, 2021

It will be attended by Michael Debabrata Patra, Deputy Governor in charge of monetary policy and also by Shri Shaktikanta Das, Governor.

91. India has won how many medals in the World Archery Championship 2021 which was held in Yankton, USA?

Options :

    a) Three
    b) One
    c) Two
    d) Four
    e) Five

Answer : Three

The team India archers settled for three silver medals at the 2021 World Archery Championships, held in Yankton, South Dakota, United States. The three silver medals were won in Women's Compound Individual, Women's Compound Team and Compound Mixed Team competitions.

Vennam Jyothi Surekha of Vijayawada became the first Indian woman archer to win three silver medals.

92. Azzurri is a _____ club then they wear blue color shirts.

Options :

    a) Cricket
    b) Polo
    c) Golf
    d) Football
    e) Badminton

Answer : Football

The blue shirts worn by Italy can be considered the most famous in international football, along with the yellow of Brazil, which gives the side its nickname Canarinho (Little Canary). Italy, known as the Azzurri.

93. Transparency International has released the Corruption Perceptions Index (CPI) 2021 in which India has been ranked at 85th spot and which country has topped the index?

Options :

   a) Finland
   b) New Zealand
   c) Denmark
   d) Norway
   e) Sweden

Answer : Denmark

The ranking has been topped jointly by three countries- Denmark, Finland and New Zealand (Score of 88). This ranking measures how corrupt each country's public sector is perceived to be.

94. According to the RTI Act, 2005 a RTI should be responded within _____ number of days?

Options :

   a) 60
   b) 30
   c) 40
   d) 90
   e) 45

Answer : 30

RTI Act prescribes a time limit under which the reply needs to be given by the Public Information Officer for the application within 30 days. If 30 days have passed and you have still not received your information, it is considered that the PIO/APIO has refused to give you information. You can appeal against this decision within 30 days to the officer senior to PIO. First Appeal has to be completed within 30 days. Second Appeal can be filed within 90 days against the decision of the second appellate authority with the Chief Information Commission. The decision of CIC is final and binding.

95. What is the validity of the NRA CET scorecard?

Options :

    a) 1 year

    b) 3 years

    c) 2 years

    d) 6 months

    e) 1.5 year

Answer : 3 years

National Recruitment Agency(NRA) Common Eligibility Test scorecard will be valid for 3 years.

96. Who heads the National Development Council (NDC)?

Options :

    a) Secretary of Finance Ministry

    b) Vice Chairman of Planning Commission

    c) Secretary of Planning Commission

    d) Secretary of Planning & Implementation Ministry

    e) Prime Minister

Answer : Prime Minister

The National Development Council is presided over by the Prime Minister of India and includes all Union Ministers, Chief Ministers of all the States and Administrators of Union Territories and Members of the Planning Commission.

97. In July 2021, Google Cloud launched its second cloud region in _____ in India after Mumbai, to serve its customers in India and Asia-Pacific.

Options :

    a) Bengaluru

    b) Delhi-NCR

    c) Hyderabad

    d) Ahemdabad

    e) Lucknow

Answer : Delhi-NCR

Google Cloud launched its new cloud region in Delhi-NCR (National Capital Region) to serve its customers in India and Asia-Pacific.

This new Google Cloud region is the second such in India after Mumbai and the 10th in Asia-Pacific.

The Delhi-NCR cloud region is aimed at helping companies in regulated industries that have high requirements for disaster recovery solutions.

98. Which Indian state has ranked first in the second edition of the India Justice Report?

Options :

a) Andhra Pradesh

b) Maharashtra

c) Madhya Pradesh

d) Tamil Nadu

e) Telangana

Answer : Maharashtra

Maharashtra ranks first in the second edition of the India Justice Report that judges states on delivery of justice to people. It is followed by Tamil Nadu and then Telangana.

99. What was India's rank in the global startup ecosystem index 2021 ?

Options :

a) 29th

b) 36th

c) 20th

d) 18th

e) 42nd

Answer : 20th

India has jumped three spots up in the global start-up ranking for 2021. India stands at the 20th spot among the top 100 countries that have been ranked in the Global Startup Ecosystem Index 2021 by Startup Blink. The top ones are USA, UK, Israel, Canada and Germany .

100. NAHB related to?

Options :

- a) Banking
- b) Housing
- c) Rent
- d) Leasing
- e) None of these

Answer : Housing

The National Association of Home Builders (NAHB) is related to housing.

101. National Doctors Day is celebrated every year on?

Options :

- a) 1st July
- b) 3rd July
- c) 4th July
- d) 5th July
- e) 9th July

Answer : 1st July

National Doctor's Day 2021: India celebrates National Doctor's Day on the birth anniversary of Dr Bidhan Chandra Roy. The Theme for 2021 is"Building the Future with Family Doctors".

102. In 2021, which of the following airports of India has seen a growth of 17.68% in air cargo?

Options :

- a) Cochin International Airport
- b) Rajiv Gandhi International Airport
- c) Goa International Airport
- d) Indira Gandhi International Airport
- e) Pune International Airport

Answer : Cochin International Airport

The Cochin International Airport (CIAL) displayed robust growth in traffic in 2021 as compared to 2020 and also registered a 17.68 percent increase in cargo throughout.

103. WHO(World Health Organization) named various variants of the coronavirus using which language to simplify public discussions and also help remove stigma from the names?

Options :

a) French

b) Greek

c) Spanish

d) Mandarin

e) Persian

Answer : Greek

104. The fiber and mineral rich 'Jalgaon banana' has got the Geographical Indications (GI) exported to which city of UAE?

Options :

a) Al Sharjah

b) Abu Dhabi

c) Dubai

d) Ajman

e) None of these

Answer : Dubai

India has exported banana worth of 1.91 lakh tonne valued at Rs 619 crore to Dubai.

105. In MUDRA Bank, what does MUDRA stands for -

Options :

a) Market Unit Development Risk Association

b) Multi-Sector Urban Development Refinance Authority

c) Maximum Unit Department of Refinance and Allocation

d) Money Under Development and Risk Authority

e) Micro Units Development and Refinance Agency

Answer : Micro Units Development and Refinance Agency
Micro Units Development and Refinance Agency Bank (or MUDRA Bank) is a public sector financial institution in India. It provides loans at low rates to micro-finance institutions and non-banking financial institutions which then provide credit to MSMEs. It was launched by Prime Minister Narendra Modi on 8 April 2015.

106. Who is the President of the United Nations Human Rights Council (UNHRC)?

Options :

a) Syed Osman Azhar Maqsusi

b) Isabelle Durant

c) Thomas Richardson

d) Antonia Gutteres

e) Nazhat Shameem

Answer : Nazhat Shameem

Nazhat Shameem is a Fijian diplomat and former judge serving as the Permanent Representative of Fiji to the United Nations since 2014. She was also the President of the United Nations Human Rights Council in 2021.

107. According to the 'World's 50 Greatest Leaders' list for 2021, released by Fortune Magazine, which one of the following has topped the list?

Options :

a) Jacinda Ardern

b) Adar Poonawalla

c) Jessica Tan

d) Dan Schulman

e) None of these

Answer : Jacinda Ardern

New Zealand Prime Minister, Jacinda Ardern has topped it and it is the first time a woman has ever held the top slot solo.

108. How many districts of India is recognised as Aspirational District?

Options :

a) 110

b) 111

c) 112

d) 115

e) None of these

Answer : 112

There are 112 Aspirational districts identified through out the nation covering minimum of one from each state in India

109. Reserve Bank of India will conduct the 6th and the last Monetary Policy Committee (MPC) meeting for 2021-22?

Options :

a) February 8- 10, 2022

b) March 7- 9, 2022

c) February 4- 6, 2022

d) April 2- 4, 2022

e) None of these

Answer : February 8- 10, 2022

110. What does the second R denote in the "RAFTAAR" scheme of the government of India?
Options :

a) Rejuvenate

b) Replenish

c) Revive

d) Repriate

e) Remunerate

Answer : Rejuvenate

Remunerative Approaches for Agriculture and Allied sector Rejuvenation (Raftaar),Ministry of Agriculture and Farmers' Welfare (MoA&FW). It is aimed at strengthening infrastructure in Agriculture and Allied sectors to promote Entrepreneurship and Agribusiness by facilitating financial aid and nurturing a system of business incubation.

111. Recently Sivan passed away. Who was he?

Options :

    a) Director

    b) Entrepreneur

    c) Singer

    d) Politician

    e) Author

Answer : Director

Mollywood's veteran cinematographer and director, Sivan passed away. He has won a National Award three times in his career. His popular films include Abhayam, Yagam, Keshu, Kochu Kochu Mohangal, Oru Yathra, etc.

112. For the health sector in India, the country has spent what % of the GDP in 2021?

Options :

    a) 1.35%

    b) 2%

    c) 1.98%

    d) 1.5%

    e) 1.7%

Answer : 1.5%

113. In June, 2021 which Indian athlete has won the gold medal hat trick in the World Archery?

Options :

    a) Deepika Kumari

    b) Atanu Das

    c) Muskan Kirar

    d) Abhishek Verma

    e) None of the above

Answer : Deepika Kumari

India's Deepika Kumari Completes Gold Medal Hat-trick, Makes History At Archery World Cup.

114. In July 2021, who took oath as the eleventh chief minister of Uttarakhand?

Options :

    a) Bhagat Singh Koshyari

    b) Pushkar Singh Dhami

    c) Harish Rawat

    d) Tirath Singh Rawat

    e) Trivendra Singh Rawat

Answer : Pushkar Singh Dhami

Bharatiya Janata Party (BJP) leader Pushkar Singh Dhami took oath as the eleventh chief minister of Uttarakhand.

At 45, Dhami, the lawmaker from the Khatima assembly constituency, is the youngest chief minister of Uttarakhand. Dhami, succeeds Garhwal MP Tirath Singh Rawat.

About Uttrakhand

Capital: Gairsain (Summer), Dehradun (Winter)   CM: Pushkar Singh Dhami

Governor: Baby Rani Maurya

115. The Confederation of Indian Industry Global Knowledge Summit 2021 was held in which state of the country and what was the theme of it?

Options :

    a) Kerala, Transforming Management

    b) Karnataka, Transforming Knowledge Management for Hybrid Learning and Hybrid Workplaces

    c) Maharashtra, Transforming Knowledge Management for Hybrid Learning and Hybrid Workplaces

    d) Kerala, Transforming Knowledge Management for Hybrid Learning and Hybrid Workplaces

    e) Tamil Nadu, Transforming Management

Answer : Karnataka, Transforming Knowledge Management for Hybrid Learning and Hybrid Workplaces

15th CII Global Knowledge Summit 2021, 8 – 9 April 2021, Karnataka.

Theme: Transforming Knowledge Management for Hybrid Learning and Hybrid Workplaces.

116. In the Tokyo Olympics 2020, India's athlete won the gold medal, who was he/she?

Options :

a) Neeraj Chopra

b) Ravi Kumar Dahiya

c) Bajrang Punia

d) PV Sindhu

e) Lovlina Borgohain

Answer : Neeraj Chopra

Neeraj Chopra won India's first-ever athletics gold medal in the javelin throw final with his second throw of 87.58m.

117. SHWAS and AROG schemes have been launched by which bank to help the sufferer with the required financial support in the fight against the COVID-19 pandemic.

Options :

a) Yes Bank

b) SIDBI

c) IDBI

d) Bank of Baroda

e) SBI Bank

Answer : SIDBI

The main motive of the SHWAS and AROG loan schemes is to provide financial support to the Healthcare sector which is involved in the manufacturing of oxygen supplies and other products to fight against the Covid-19 and to encourage MSMEs who are helping others fight the pandemic.

SHWAS (SIDBI assistance to Healthcare sector in War Against Second wave of COVID19).

AROG (SIDBI Assistance to MSMEs for Recovery & Organic Growth during COVID-19 pandemic).

SIDBI- Small Industries Development Bank of India.

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118. _____is the lead agency for implementing eNAM under the aegis of the Ministry of Agriculture and Farmers' Welfare, Government of India.

Options :

  a) SIDBI

  b) Small Farmers Agribusiness Consortium (SFAC)

  c) Farmer Producer Company

  d) NABARD

  e) None of these

Answer : Small Farmers Agribusiness Consortium (SFAC)

National Agriculture Market (eNAM) is a pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.

119. What is the Tokyo Olympics 2020 mascot?

Options :

  a) Miraitowa

  b) Soohorang

  c) Bing Dwen Dwen

  d) Smoky

  e) None of these

Answer : Miraitowa

Miraitowa, Mirai means future and towa means eternity. It is the mascot of the year.

120. The government has kick-started the process of sale of its stake in IDBI Bank, where government shareholding is at _____ %?

Options :

  a) 45.48

  b) 54

  c) 46. 78

  d) 42. 37

  e) 39.01

Answer : 45.48

English Language

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

India's growth on the global stage has been one of the most promising amongst developing countries. Despite a myriad of challenges, the urban population in the country has been growing at an accelerated pace, and the middle class has been expanding. The **onset** of global warming, the covid-19 pandemic, and economic restrictions have given rise to a 'woke' urban populous determined to transform the way we consume energy and replace it with green energy sources. India is now amongst the world's top three countries advocating for an accelerated transition to renewable energy. This shift is not only being propagated by the government, but is also increasingly being adopted in industrial and residential sectors.

India's demand for energy has grown over the years, owing to the growing GDP and population. Despite this growth, there is a huge disparity between the power supply across grids depending on the region they belong to. The shift to renewable energy sources has proven to be a step in the right direction to tackle this issue. From an ecological point of view, as demand for industrial goods and a better quality of life increases in urban India, the country's carbon footprint continually deepens. In the battle against climate change, India's optimistic movement towards and supporting green energy offers a respite for future generations for a healthier and sustainable ecosystem.

In recent times, the outbreak of the Covid-19 pandemic has encouraged people to look beyond their current electricity providers and shift to sustainable sources such as solar power.

As more and more people spend time at home, electricity bills have doubled. As awareness about the usability and access to clean energy sources such as Solar power have increased over the past year, many residential complexes and individuals across domestic borders have pledged to embrace the change. While the upfront cost spent on installing a plant is significantly high, various analyses have presented that the return on investment is in under four years over the 25 years lifespan of the plant. This showcases that not only is this transition beneficial to the environment, it is also economically a more sustainable and favourable choice.

The installation of solar plants is now slowly and gradually becoming a part of the owner's plan, which was earlier deemed a luxury only. It took time, but consumers now understand the need to plan for savings on their electricity expenses, which are forever recurring. With the government's **consistent** push to solarise India through subsidies and other benefits, the time is not far when having a solar plant will be mandatory. A few state governments like Haryana have already made it compulsory for C&I consumers and new residents to source a part of electricity through solar. (451 words)

121. What are the reasons mentioned in the passage that have contributed to India's energy growth over the years?

(i) growing GDP

(ii) declining industrialisation

(iii) increasing concern for the environment

(iv) growing population

Options :

a) Only ii

b) i and iv

c) iii and iv

d) i, ii and iii

e) i, ii, iii and iv

Answer : i and iv

In the passage, it is stated that "India's demand for energy has grown over the years, owing to the growing GDP and population"'. So, i and iv are correct.

122. When considering the ecological point of view, what happens in urban areas, when demand for industrial goods and a better quality of life increase?

Options :

a) the country's ecological balance is sustained

b) the country will become the most carbon negative country in the world.

c) the country will be better adapted to the changing environmental patterns.

d) the country's carbon footprint deepens.

e) All of these

Answer : the country's carbon footprint deepens.

In the passage, it is stated that "From an ecological point of view, as demand for industrial goods and a better quality of life increases in urban India, the country's carbon footprint continually deepens."

123. What is the lifespan of a solar power plant?

Options :

    a) 5 years

    b) 4 years

    c) 12 years

    d) 25 years

    e) 55 years

Answer : 25 years

In the passage, it is mentioned that ldquo;hellip; various analyses have presented that the return on investment is in under four years over the 25 years lifespan of the plant.rdquo;

124. What was made compulsory for C&I consumers and new residents by Haryana government?

Options :

    a) electrification of houses

    b) installing biomass plants

    c) recycling the plastic waste

    d) using local goods for construction purpose

    e) sourcing a part of electricity through solar

Answer : sourcing a part of electricity through solar

In the passage, it is given that "A few state governments like Haryana have already made it compulsory for C&I consumers and new residents to source a part of electricity through solar."

125. Which of the following statements is true according to the passage?

Options :

    a) The urban population of India is declining at a rapid pace because of a lot of challenges.

    b) The shift to green energy sources has only been propagated by the government and not by industrial and residential sectors.

    c) The outbreak of the Covid-19 pandemic has encouraged people to shift to sustainable sources of electricity such as solar power.

    d) The transition to solar power is beneficial to the environment, but it isn't economically a more sustainable and favourable choice.

    e) For C&I consumers and new residents all over India, it is mandatory to set up a solar plant.

Answer : The outbreak of the Covid-19 pandemic has encouraged people to shift to sustainable sources of electricity such as solar power.

A- in the passage, it is said that the urban population is increasing even though there are a lot of challenges.

B- this is incorrect because the government and the industrial and residential sectors are propagating the shift to green energy sources.

C- this is correct.

D- solar power is economical as well.

E- it is mandatory in Haryana and some other states, but hasn't been made mandatory all over India.

126. How are solar plants, which were earlier considered a luxury, being considered now?

Options :

    a) its considered as a part of the owner's plan

    b) its still considered a luxury

    c) its being treated as a burden

    d) its considered important by the government, but as uneconomical by the owners

    e) it is not even considered important by people

Answer : its considered as a part of the owner's plan

In the passage, it is stated that "The installation of solar plants is now slowly and gradually becoming a part of the owner's plan, which was earlier deemed a luxury only."

127. Which of the following is a near synonym of the word 'onset'?

Options :

    a) inspection

    b) inception

    c) incision

    d) inspiration

    e) introspection

Answer : inception

The word 'onset' means 'the beginning of something'.

The word 'inception' means 'the beginning of an organization or official activity'.

128. Which of the following is a near antonym of the word 'consistent'?

Options :

   a) erratic

   b) eccentric

   c) erroneous

   d) errand

   e) ecclesiastic

Answer : erratic

The word 'consistent' means 'always behaving or happening in a similar, especially positive, way'.

The word 'erratic' means 'moving or behaving in a way that is not regular, certain, or expected'.

Direction:- In the following questions, each sentence has two blanks. Choose the appropriate set of words for the blanks that best fits in the context of the sentence.

129. At various points in his testimony, Mr. Burns said it was _____ for the U.S. to work with both Indo-Pacific partners as well as European allies with regard to the _____ from Beijing.

Options :

   a) contemporary, changes

   b) insist, choices

   c) important, challenges

   d) concurrent, check

   e) close, charges

Answer : important, challenges

In A, 'contemporary' is inappropriate. It means 'existing or happening now'.

In B, 'insist' is inappropriate.

Both words in C are correct.

In D, 'concurrent' is inappropriate. it means 'happening or existing at the same time'.

In E, 'close' is inappropriate.

*At various points in his testimony, Mr. Burns said it was **important** for the U.S. to work with both Indo-Pacific partners as well as European allies with regard to the **challenges** from Beijing.*

130. The disaster management activities _____ before, during and after an event shall set itself into motion action than _____ for the green signal from a centralised authority.

Options :

a) invited, procrastinating

b) imitated, stay

c) intimidate, halting

d) inoculated, stop

e) initiated, waiting

Answer : initiated, waiting

In A, 'invited' is contextually incorrect.

In B, 'stay' is grammatically incorrect.

In C, 'intimidate' is grammatically incorrect.

In D, 'stop' is incorrect.

Both words in E are correct.

*The disaster management activities **initiated** before, during and after an event shall set itself into*

*motion action than **waiting** for the green signal from a centralised authority.*

131. The app is expected to _____ across the U.S. in the first quarter of next year, with a beta version being _____ next month.

Options :

    a) go out, arrived

    b) rollout, launched

    c) wipe out, lauded

    d) lookout, given

    e) bring out, taken

Answer : rollout, launched

In A, 'arrived' is grammatically incorrect.

In B, both the words are correct.

The phrase 'rollout' means 'to make a new product, service, or system available for the first time'.

In C, both the words do not make sense.

In D, 'lookout' is contextually incorrect. It means 'a person who watches for danger'.

In E, both words are inappropriate.

*The app is expected to **rollout** across the U.S. in the first quarter of next year, with a beta version being **launched** next month.*

132. She made history as the first female Chief Economist of the Fund and they benefited _____ from her sharp intellect and deep knowledge of international finance and macroeconomics as they _____ through the worst economic crisis since the Great Depression.

Options :

    a) immersive, went

    b) immediate, made

    c) immaculately, reach

    d) immensely, navigated

    e) immeasurably, travel

Answer : immensely, navigated

In A, 'immersive' is grammatically incorrect.

In B, 'immediate' is grammatically incorrect.

In C, 'reach' is grammatically incorrect.

In D, both words are correct.

In E, 'travel' is grammatically incorrect.

*She made history as the first female Chief Economist of the Fund and they benefited **immensely** from her sharp intellect and deep knowledge of international finance and macroeconomics as they **navigated** through the worst economic crisis since the Great Depression.*

133. The FATF had asked Pakistan to work on the remaining recommendation by _____ that terror financing investigations and prosecutions _____ senior leaders and commanders of the U.N.-designated terrorist groups.

Options :
   a) demonstrating, targeted
   b) disorganising, showed
   c) dictating, intend
   d) designated, aimed
   e) detaining, fear

Answer : demonstrating, targeted

Both words in A fit the blanks.

In B, 'disorganising' is contextually incorrect.

In C, both words are incorrect.

In D, 'designated' is incorrect.

In E, both words are incorrect.

The FATF had asked Pakistan to work on the remaining recommendation by demonstrating that terror financing investigations and prosecutions targeted senior leaders and commanders of the U.N.-designated terrorist groups.

Direction:- Choose the combination that completes the sentences.

134.

Column (1)	Column (2)
(A) Unlike the older GM technology, the new proposal	(D) using gene editing tools such as CRISPR, whose developers won the Nobel Prize for Chemistry in 2020.
(B) Scientists at the Indian Agricultural Research Institute	(E) involve the use of gene editing tools to directly tweak the plant's own genes.
(C) They aim to bring precision and efficiency into the breeding process	(F) is in the process of developing resilient and high-yield rice varieties using gene editing techniques.

Options :

 a) Only A-E
 b) Only C-D
 c) A-F and B-E
 d) B-F and C-E
 e) None of these

Answer : Only C-D

E does not follow A because the verb 'involve' would be grammatically incorrect if combined.

C and D together will form a meaningful sentence.

A and F do not provide a meaning to the sentence. So, that option cannot be considered.

B and F do not form a grammatically correct sentence. So, that is also incorrect.

135.

Column (1)	Column (2)
(A) Mehndi paste known for its cooling effect is applied on soles	(D) does not have this unique colour.
(B) All the stakeholders of the industry, which is still finding its footing,	(E) are elated that this distinction has finally got their product a premium value.
(C) Mehndi is grown in Pakistan and West Asian countries and in other states	(F) and on the head as part of traditional medicine.

Options :

a) A-E and B-D

b) B-F and C-D

c) Only B-F

d) Only A-D

e) A-F and B-E

Answer : A-F and B-E

E does not follow A. So, that combination is incorrect.

F does not follow B. So, that combination is incorrect.

D does not follow A contextually.

A-F and B-E form correct pairs.

136.

Column (1)	Column (2)
(A) The countrywide vaccination drive was rolled out on January 16 with	(D) health care workers getting inoculated in the first phase.
(B) The next phase of COVID-19 vaccination commenced from March 1 and	(E) allow all above 18 to be vaccinated from May 1.
(C) The country launched vaccination for	(F) of people over 60 years of age and those aged 45 and above with specified co-morbid conditions.

Options :

    a) Only A-D

    b) Only B-F

    c) A-E and C-D

    d) B-F and C-E

    e) None of these

Answer : Only A-D

D follows A perfectly.

F does not follow B because the preposition 'of' will not go after the connector 'and'.

E does not follow A.

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 correction is required', mark (E) as the answer.

137. The MEA made no immediate comment, but Government sources confirmed that the meeting had taken place and India **was considering donating of a large consignment** of wheat and other aid to Afghanistan.

Options :

   a) was considerate donating of a large consignment

   b) was considering donation of a large consignment

   c) was considered donation of a large consignment

   d) was consolidated donating of a large consignment

   e) No improvement required

Answer : was considering donation of a large consignment

The word 'donating' is incorrectly used here. It should be 'donation'.

*The MEA made no immediate comment, but Government sources confirmed that the meeting had taken place and India was considering **donation** of a large consignment of wheat and other aid to Afghanistan.*

138. Accordingly, SEBI has proposed to farther restrict the number of ISINs maturing per financial year for corporate bonds issued on a private placement basis.

Options :

   a) According to SEBI has proposed to farther restrict

   b) Accordance, SEBI has proposed to further restrict

   c) Acknowledging, SEBI has proposed to farther restrict

   d) Accordingly, SEBI has proposed to further restrict

   e) No improvement required

Answer : Accordingly, SEBI has proposed to further restrict

Hear the word 'farther' is wrong. It should be replaced with the word 'further'.

*Accordingly, SEBI has proposed to **further** restrict the number of ISINs maturing per financial year for corporate bonds issued on a private placement basis.*

139. Google is making its hardware ambitions clear with custom-built chip, **personalised software and affectionate priced** Pixel 6 and 6 Pro smartphones.

Options :

    a) personalised software and affinity priced

    b) personalised software and affordably priced

    c) personalised software and affected priced

    d) personalise software and affectionate priced

    e) No improvement required

Answer : personalised software and affordably priced

The word 'affectionate' is inappropriate here. The correct sentence here is with the word 'affordably'.

*Google is making its hardware ambitions clear with custom-built chip, personalised software and **affordably** priced Pixel 6 and 6 Pro smartphones.*

140. Their self-awareness is so low it never occurs to them that even a single calorie consumed in excess of bodily need is food snatched away **by the table of the authentic hungry people of India**.

Options :

    a) in the table of the authentical hungry people of India

    b) by the table of the authenticate hungry people of India

    c) from the table of the authentically hungry people of India

    d) with the table of the authentication hungry people of India

    e) No improvement required

Answer : from the table of the authentically hungry people of India

The correct preposition in the place of 'in' is 'from'. Also, 'authentically hungry people' is correct.

*Their self-awareness is so low it never occurs to them that even a single calorie consumed in excess of bodily need is food snatched away **from** the table of the **authentically** hungry people of India.*

Direction:- Seven statements are given below, which are jumbled in any random order. Only the last statement (g), which has been emboldened, is in its correct place. These statements will form a coherent and meaningful paragraph, when arranged in the correct sequence. Arrange the sentences in the right order and answer the questions that follow.

(a) For the tiger had eaten parts of the victim's body for the first time.

(b) On October 1, a tiger mauled a grazer to death at Masinagudi.

(c) This sparked tension among the locals.

(d) It was the tiger's second confirmed kill.

(e) With the Opposition party stepping in, the situation reached a flashpoint.

(f) They urged the locals to block the roads, and demand that the tiger be shot dead.

(g) Soon, most of the media began branding the animal as a man-eater.

141. Which of the following is the third sentence of the paragraph?
Options :

    a) c
    b) f
    c) b
    d) e
    e) a

Answer : c

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

__b__ is the first sentence because the tiger is first mentioned in that. In __b__, 'a tiger' is mentioned, which makes us understand that only this could be the first sentence. It is followed by __d__. This is because __d__ gives additional information on __b__. the third sentence would be __c__. It shows the effect of the tiger's kill. We can understand that __f__ comes after __e__.   This is because, __e__ mentions about the opposition party and __f__ mentions 'they'. Also, __a__ comes just before __g__. This is because, the media branded the tiger as the man-eater because the tiger ate parts of the victim's body for the first time. Since __g__ is the last sentence, __e, f, a, g__ is the correct sequence.

142. Which of the following is the second sentence of the paragraph?

Options :

    a) b

    b) c

    c) e

    d) a

    e) d

Answer : d

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

***b** is the first sentence because the tiger is first mentioned in that. In **b**, 'a tiger' is mentioned, which makes us understand that only this could be the first sentence. It is followed by **d**. This is because **d** gives additional information on **b**. the third sentence would be **c**. It shows the effect of the tiger's kill. We can understand that **f** comes after **e**.   This is because, **e** mentions about the opposition party and **f** mentions 'they'. Also, **a** comes just before **g**. This is because, the media branded the tiger as the man-eater because the tiger ate parts of the victim's body for the first time. Since **g** is the last sentence, **e, f, a, g** is the correct sequence.*

143. Which of the following is the fifth sentence of the paragraph?

Options :

    a) d

    b) a

    c) f

    d) b

    e) c

Answer : f

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

***b** is the first sentence because the tiger is first mentioned in that. In **b**, 'a tiger' is mentioned, which makes us understand that only this could be the first sentence. It is followed by **d**. This is because **d** gives additional information on **b**. the third sentence would be **c**. It shows the effect of the tiger's kill. We can understand that **f** comes after **e**.   This is because, **e** mentions about the opposition party and **f** mentions 'they'. Also, **a** comes just before **g**. This is because, the media branded the tiger as the man-eater because the tiger ate parts of the victim's body for the first time. Since **g** is the last sentence, **e, f, a, g** is the correct sequence.*

144. Which of the following is the first sentence of the paragraph?

Options :

    a) f

    b) b

    c) d

    d) e

    e) c

Answer : b

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

*__b__ is the first sentence because the tiger is first mentioned in that. In **b**, 'a tiger' is mentioned, which makes us understand that only this could be the first sentence. It is followed by **d**. This is because **d** gives additional information on **b**. the third sentence would be **c**. It shows the effect of the tiger's kill. We can understand that **f** comes after **e**.   This is because, **e** mentions about the opposition party and **f** mentions 'they'. Also, **a** comes just before **g**. This is because, the media branded the tiger as the man-eater because the tiger ate parts of the victim's body for the first time. Since **g** is the last sentence, **e, f, a, g** is the correct sequence.*

145. Which of the following is the sixth sentence of the paragraph?

Options :

    a) c

    b) f

    c) b

    d) e

    e) a

Answer : a

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

*__b__ is the first sentence because the tiger is first mentioned in that. In **b**, 'a tiger' is mentioned, which makes us understand that only this could be the first sentence. It is followed by **d**. This is because **d** gives additional information on **b**. the third sentence would be **c**. It shows the effect of the tiger's kill. We can understand that **f** comes after **e**.   This is because, **e** mentions about the opposition party and **f** mentions 'they'. Also, **a** comes just before **g**. This is because, the media branded the tiger as the man-eater because the tiger ate parts of the victim's body for the first time. Since **g** is the last sentence, **e, f, a, g** is the correct sequence.*

Direction:- Read each sentence to find out whether there is any grammatical 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).

146. The Union Home Minister reviewed the security situation (A)/and steps taken to compact terrorism in the Kashmir Valley (B)/in the wake of a spate of attacks on civilians, (C)/particularly non-local labourers and minorities (D).

Options :

   a) The Union Home Minister reviewed the security situation

   b) and steps taken to compact terrorism in the Kashmir Valley

   c) in the wake of a spate of attacks on civilians

   d) particularly non-local labourers and minorities

   e) No error

Answer : and steps taken to compact terrorism in the Kashmir Valley

The correct word here is 'combat', not 'compact'.

Combat- a fight, especially during a war.

Compact- consisting of parts that are positioned together closely or in a tidy way, using very little space.

*The Union Home Minister reviewed the security situation and steps taken to **combat** terrorism in the Kashmir Valley in the wake of a spate of attacks on civilians, particularly non-local labourers and minorities.*

147. Guwahati, the largest city in the northeast, (A)/was brought under the electrified rail network, (B)/with the first train reaching Kamakhya station (C)/from New Cooch Behar in West Bengal on October 21 (D).

Options :

   a) Guwahati, the largest city in the northeast

   b) was brought under the electrified rail network

   c) with the first train reaching Kamakhya station

   d) from New Cooch Behar in West Bengal on October 21

   e) No error

Answer : No error- The given sentence is correct.

148. The steep slopes of rivers (A)/leaves very little response time to issue (B)/a conventional statistical correlation-based forecast for any station (C)/with respect to any base station upstream (D).

Options :

a) The steep slopes of rivers

b) leaves very little response time to issue

c) a conventional statistical correlation-based forecast for any station

d) with respect to any base station upstream

e) No error

Answer : leaves very little response time to issue

Since 'the steep slopes' is the subject, 'leaves' is incorrect. It should be 'leave'.

*The steep slopes of rivers **leave** very little response time to issue a conventional statistical correlation-based forecast for any station with respect to any base station upstream.*

149. The President has suggested that (A)/they should have had those discussions to see (B)/how they could amicably find a solution (C)/and where they can make amendments to the Constitution (D).

Options :

a) The President has suggested that

b) they should have had those discussions to see

c) how they could amicably find a solution

d) and where they can make amendments to the Constitution

e) No error

Answer : and where they can make amendments to the Constitution

The sentence is a reported speech. So, 'can' is incorrect. It should be changed to 'could'.

*The President has suggested that they should have had those discussions to see how they could amicably find a solution and where they **could** make amendments to the Constitution.*

150. Though many countries have been successfully in (A)/eliminating the disease, which is caused by a parasite (B)/and transmitted through the bite of an infected mosquito, (C)/it still continues to affect some countries in Africa and Asia (D).

Options :

   a) Though many countries have been successfully in

   b) eliminating the disease, which is caused by a parasite

   c) and transmitted through the bite of an infected mosquito

   d) it still continues to affect some countries in Africa and Asia

   e) No error

Answer : Though many countries have been successfully in

Here, successfully is incorrect. The correct word is 'successful'.

*Though many countries have been **successful** in eliminating the disease, which is caused by a parasite and transmitted through the bite of an infected mosquito, it still continues to affect some countries in Africa and Asia.*

Direction:- Fill in the blanks with the most appropriate word from the options.

The 'strength' of the Indian passport has _____ (1) in the last decade, according to the Henley Passport Index for 2021. The index ranks normal passports of countries according to the number of destinations its holders can visit without a visa or can _____ (2) themselves of a visa, a visitor's permit, or an electronic travel authority on _____ (3). The _____ (4) such destinations for a country's passport, the stronger the passport. India is ranked 90 out of 199 countries. In 2011, its rank was 78. Between 2011 and 2021, only five destinations were added to India's visa-free access list. India's latest rank is its lowest since 2011. Between 2011 and 2021, India's best ranking was in 2013 when it _____ (5) 74th among 199 countries.

151. Fill in blank 1 with the most appropriate option**.**

Options :

    a) deteriorate

    b) stronger

    c) develop

    d) weakened

    e) supported

Answer : weakened

Only the word 'weakened' is grammatically and contextually appropriate here.

Other words, 'deteriorate', 'stronger' and 'develop' are grammatically incorrect and 'supported' is contextually incorrect.

152. Fill in blank 2 with the most appropriate option.

Options :

    a) reveal

    b) believe

    c) prevailed

    d) veiled

    e) avail

Answer : avail

Here, 'avail' is the correct word to be used. It means 'to help or be useful to someone or something'.

153. Fill in blank 3 with the most appropriate option.

Options :

    a) reach

    b) arrival

    c) approaching

    d) entered

    e) depart

Answer : arrival

'on arrival' is the correct expression to be used.

154. Fill in blank 4 with the most appropriate option.

Options :

    a) more

    b) best

    c) great

    d) much

    e) most

Answer : more

Here, the comparative form of the verb must be used. This is a comparison. So, 'more' is correct.

155. Fill in blank 4 with the most appropriate option.

Options :

    a) range

    b) had

    c) stood

    d) achieve

    e) realized

Answer : stood

The past form of the verb should be used here. 'stood' is the only word which is grammatically and contextually correct here.

Direction:- In each of the questions given below, four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of words that replace each other. If the sentence is correct as it is, select 'E' as your option.

156. Relatively (A) / China having **despite (B)**/ fewer COVID-19 cases and **slowed (C)** movement restrictions, its economy has **fewer (D)** down in 2021.

Options :

a) Only A-D

b) A-B and C-D

c) Only B-C

d) A-C and B-D

e) No exchange required

Answer : A-B and C-D

B is incorrect at its place. It is suitable at A. So, A-B can be exchanged. Also, D is correct at C. So, it should be exchanged as well.

Despite China having relatively fewer COVID-19 cases and fewer movement restrictions, its economy has slowed down in 2021.

157. Hurricane Rick **heading (A)** a bit on October 24 night while **strengthened (B)** for Mexico's southern Pacific coast, where it was **make (C)** to **expected (D)** landfall on October 25.

Options :

a) Only B-C

b) Only C-D

c) A-B and C-D

d) A-D and B-C

e) No exchange required

Answer : A-B and C-D

Here, A-B should be exchanged. At B, 'heading' is correct. Also, at C, the past form of the verb is correct. so, C-D should also be exchanged.

Hurricane Rick strengthened a bit on October 24 night while heading for Mexico's southern Pacific coast, where it was expected to make landfall on October 25.

158. The Prime Minister **refrain (A)** the public to exercise **restraint (B)** under any provocation and to **urged (C)** from spreading or acting on **unfounded (D)** rumours.

Options :

    a) Only A-C

    b) A-D and B-C

    c) Only B-D

    d) A-B and C-D

    e) No exchange required

Answer : Only A-C

C is incorrect at its place. The base form of a word should be used there. So, A is correct there. A-C can be interchanged.   B and D are in their correct places.

*The Prime Minister **urged** the public to exercise **restraint** under any provocation and to **refrain** from spreading or acting on **unfounded** rumours.*

159. While eight medical colleges have been **establishment (A)** under a Centrally sponsored scheme for **sanctioned (B)** of new medical colleges **functional (C)** with district or referral hospitals, the one at Jaunpur has been made **attached (D)** by the State government through its own resources.

Options :

    a) Only A-D

    b) Only B-D

    c) A-C and B-D

    d) A-B and C-D

    e) No exchange required

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Answer : A-B and C-D

At A, the third form of the verb should be used. Out of B and D, exchanging A-B is correct. C and D are incorrect at their places. So, they also should be interchanged.

*While eight medical colleges have been **sanctioned** under a Centrally sponsored scheme for **establishment** of new medical colleges **attached** with district or referral hospitals, the one at Jaunpur has been made **functional** by the State government through its own resources.*

160. The **widespread (A)** use of electronic devices that **increased (B)** Internet access has **enable (C)** the **exposure (D)** of individuals and organisations to cybercrimes.

Options :

    a) Only A-B

    b) Only B-C

    c) Only A-D

    d) A-D and BC

    e) No exchange required

Answer : Only B-C

*Here, C is incorrect at its place. Only B is correct there. So, B-C should be exchanged. A and D are correct at their respective places. The **widespread** use of electronic devices that **enable** Internet access has **increased** the **exposure** of individuals and organisations to cybercrimes.*

Computer

161. Computer is an _____ device.

Options :

  a) Mechanical

  b) Electrical

  c) Electronic

  d) Input

  e) Output

Answer : Electronic

162. What is the name of the computer file that is displayed on the web browser?

Options :

  a) Web page

  b) Paging

  c) Web access

  d) Web history

  e) web pluggins

Answer : Web page

163. Speedometer is which type of computer

Options :

  a) Mini computer

  b) Hybrid

  c) Digital

  d) Analog

  e) None of these

Answer : Hybrid

It has both analog and digital data.

164. ISP stands for ?

Options :

a) International service provider

b) Internal service provider

c) Internet service provider

d) Internet signal provider

e) None of these

Answer : Internet service provider

An Internet service provider is an organization that provides services for accessing, using, or participating in the Internet. Internet service providers may be organized in various forms, such as commercial, community-owned, non-profit, or otherwise privately owned.

165. For setting up desktop screen with effects we use which setting?

Options :

a) Personalize

b) Image

c) Graphics

d) Windows

e) Browser

Answer : Personalize

Clicking right hand side of the mouse a personalize option appear to make screens desktop according to the user.

166. Boolean has only two values 0 or 1.

Options :

a) True

b) False

Answer : True

Basic Definition.

167. Which of the following is not a common feature of software applications?

Options :

a) Menu

b) Windows

c) Search

d) Help

e) None of these

Answer : Windows

168. What is the storage area for email messages called?

Options :

a) Folder

b) Directory

c) Mailbox

d) Harddisk

e) memory

Answer : Mailbox

169. In any window, the maximize button, the minimize button and the close buttons appear on the

…………..

Options :

a) Title bar

b) Menu bar

c) Status bar

d) Ruler bar

e) Tool bar

Answer : Title bar

Basic definition

170. Conversion result of binary to decimal here will be (101)2 = (__)10.

Options :

  a)   5

  b)   7

  c)   6

  d)   9

  e)   14

Answer : 5

The base 2 represents that the number is binary ,whereas, the base 10 represents that it is to be converted to the decimal format. Conversion: $2^2 * 1 + 2^1 * 0 + 2^0 * 1 = 5$

171. Checking that a pin code number is valid before it is entered into the system is an example of ……………

Options :

  a)   error correction

  b)   backup and recovery

  c)   data preparation

  d)   data validation

  e)   None of these

Answer : data validation

Validating the information during form filling is done to ensure these kinds of checks.

172. How will words appear on the page? We call it as ……….

Options :

  a)   Text formatting

  b)   Character formatting

  c)   Point size

  d)   Type face

  e)   None of these

Answer : Text formatting- Text formatting data may be qualitative (e.g., font family), or quantitative (e.g., font size, or color). It may also indicate a style of emphasis (e.g., boldface, or italics), or a style of notation (e.g., strikethrough, or superscript).

173. The main directory of a disk is called the directory…………

Options :

    a) root

    b) sub

    c) folder

    d) network

    e) None of these

Answer : root

The main directory of a disk is called the root directory. The document root is the folder where the website files for a domain name are stored.

174. programs is a set of systems.

Options :

1. True

2. False

Answer : False

it is a set of instructions.

175. Which is from Apple ?

Options :

    a) Windows 8

    b) Mac

    c) windows 10

    d) Windows XP

    e) Windows 7

Answer : Mac

Mac is from Apple.

176. QVGA stands for – Quarter _____Graphics Array.

Options :

    a) Video

    b) Virtual

    c) Visual

    d) Hard disk

    e) None of these

Answer : Video

QVGA – Quarter Video Graphics Array.

177. What for PPI stands?

Options :

    a) Pixel per inch

    b) Picture per inch

    c) Protocol per inch

    d) Pixel perfect inch

    e) None of these

Answer : Pixel per inch

PPI (Pixels per inch) refers display resolution, or, how many individual pixels are displayed in one inch of a digital image

178. Which term is not related to Operating system

Options :

    a) Thread

    b) process

    c) Trigger

    d) scheduling

    e) system call

Answer : Trigger

Trigger is a concept that belong to SQL.

179. If you are stuck on a page of website on Internet explorer and you want to get the update frequently, what will you do?

Options :

    a) Refresh button

    b) Rewind button

    c) Back button

    d) Forward button

    e) None of these

Answer : Refresh button

If you are stuck on a page of website on Internet explorer and you want to get the update frequently, then we will use refresh button as it reloads the data.

180. CD stands for–

Options :

    a) Compact Disk

    b) Combo Disk

    c) Comparative Disk

    d) Computing Disk

    e) None of these

Answer : Compact Disk

A compact disc *is a portable storage medium that can be used to record, store and play back audio, video and other data in digital form.*

181. Which of the following is part of the CPU?

Options :

    a) ALU

    b) CU

    c) Scanner

    d) Monitor

    e) Both 1 and 2

Answer : Both 1 and 2

In the CPU, the primary components are the ALU (Arithmetic Logic Unit) that performs mathematical, logical, and decision operations and the CU (Control Unit) that directs all of the processors operations.

182. Which is not an integral part of the computer?

Options :

    a) CPU

    b) Mouse

    c) Monitor

    d) UPS

    e) None of the above

Answer : UPS

UPS is external power supply in case of power loss to the computer.

183. TCP is the connection-oriented protocol.

Options :

    a) True

    b) False

Answer : True

184. What is true about data?

Options :

    a) Data is a form of information

    b) Data is organized always

    c) Data is always atomic

    d) Information is extracted from data

    e) None of these

Answer : Information is extracted from data

Data is the raw material and we extract the information from this data.

185. A communication between user and television transmission.

Options :

    a) simplex

    b) half duplex

    c) full duplex

    d) semi-duplex

    e) None of these

Answer : simplex

Simplex as it is only related to one time communication and that is from television to the user.

186. Internet Explorer is a _____ ?

Options :

    a) Transmission control program

    b) Web Server

    c) Web Browser

    d) DBMS

    e) Client

Answer : Web Browser

Internet Explorer (IE) is a World Wide Web browser that comes bundled with the Microsoft Windows operating system.

187. Encryption is performed with ?

Options :

    a) Public key

    b) Private key

    c) Data

    d) Information

    e) Both 1and 2

Answer : Both 1and 2

These can be chosen with type of encryption we want.

188. What is the 2's complement of 110 ?

Options :

    a) 01

    b) 101

    c) 10

    d) 111

    e) 09

Answer : 111

2's complement will complement the values. 1 will be changed to 0 and 0 will be changed to 1. And then adding 1 to the value .

189. Domain for .in website is ___.

Options :

    a) .com

    b) .edu

    c) .in

    d) .gov

    e) .net

Answer : .edu

.com is for commercial purpose websites.

.edu for educational

.in is the Internet country code top-level domain (ccTLD) for India

.gov for government sites

*The domain name **net** is a generic top-level domain (gTLD) used in the Domain Name System of the Internet . The name is derived from the word network, indicating it was originally intended for organizations involved in networking technologies, such as Internet service providers and other infrastructure companies*

190. Which concept is not in JAVA.

Options :

    a) Class

    b) Methods

    c) Abstraction

    d) Pointer

    e) Encapsulation

Answer : Pointer

Pointer concept is not in JAVA.

191. A _____in structural language is called as method in object-oriented programming.

Options :

    a) module

    b) Function

    c) object

    d) token

    e) Methods

Answer : Function

192. First generation computer uses?

Options :

    a) Transistor

    b) Microprocessor

    c) Vaccum Tubes

    d) Flip flops

    e) None of these

Answer : Vaccum Tubes

The computers of first generation used vacuum tubes as the basic components for memory and circuitry for CPU. These tubes, like electric bulbs, produced a lot of heat and the installations used to fuse frequently.

193. HTML pages to design?

Options :

   a) Web pages

   b) Web browser

   c) Web pluggin

   d) Web server

   e) None of the above

Answer : Web pages

It helps to create a responsive website.

194. pre processor is used for including which files in C language ?

Options :

   a) Header file

   b) Macro

   c) Method

   d) Function

   e) Class

Answer : Header file

Header files are included by # that is pre processor.

195. Which program is run by BIOS to check hardware components are working properly while the computer is turned ON?

Options :

   a) CMOS

   b) DMOS

   c) POST

   d) RIP

   e) C++

Answer : POST

Power on Self Test

196. CMOS does not have MOSFET fabrication process ?

Options :

    a) True

    b) False

Answer : False

Complementary metal–oxide–semiconductor, also known as complementary-symmetry metal–oxide–

semiconductor, is a type of MOSFET fabrication process that uses complementary and symmetrical

pairs of p-type and n-type MOSFETs for logic functions.

197. VLSI got replaced by _____ in _____Generation.

Options :

    a) ULSI , fifth

    b) VLSI, second

    c) Microprocessor , fourth

    d) ULSI , second

    e) None of the above

Answer : ULSI , fifth

VLSI got the replacement by ULSI fifth generation.

198. mp4 is file extension for which data type?

Options :

    a) Audio

    b) Video

    c) Image

    d) Only 1 and 2

    e) All 1, 2 and 3

Answer : Only 1 and 2

MP4 file format is basically a container that holds audio and video files that are digitally encoded.

199. Sunway TaihuLight is ?

Options :

a) Supercomputer

b) minicomputer

c) microcomputer

d) laptop

e) notebook

Answer : Supercomputer

The Sunway TaihuLight is a Chinese supercomputer which, as of November 2018, is ranked third in the TOP500 list, with a LINPACK benchmark rating of 93 petaflops. The name is translated as divine power, the light of Taihu Lake.

200. How will words appear on the page? We call it as ……….

Options :

a) Text formatting

b) Character formatting

c) Type face

d) Display Format

e) None of these

Answer : Text formatting