



SBI PO 2002

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Reasoning

Instructions

For the following questions answer them individually

Question 1

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

- A Pungent
- B Hot
- C Humid
- D Warm
- E Cold

Answer: A

Explanation:

Except PUNGENT, all terms are related with weather.

=> Pungent is the odd one.

Question 2

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

- A 126
- B 217
- C 345
- D 513
- E 730

Answer: C

Explanation:

$$126 = 5^3 + 1$$

$$217 = 6^3 + 1$$

$$345 = 7^3 + 2$$

$$513 = 8^3 + 1$$

$$730 = 9^3 + 1$$

=> 345 is the odd one out.

Question 3

If it is possible to make a meaningful word from the seventh, tenth and fourth letters of the word ARISTOPATHOLOGY and the only vowel of the word TOP, then mark the third letter of that word as your answer. If more than one such words can be formed, then mark M as your answer.

- A O
- B P
- C S

D M

E N

Answer: D

Explanation:

Given word is ARISTOPATHOLOGY

7th 10th and 4th letters of the word are P H and S respectively. The vowel from TOP is O

So we have four letters, P H O and S

Some of the possible words with these letters are SHOP HOPS etc, so since multiple words are possible, the correct answer choice is option 4.

Question 4

In a row of girls, Raveena is fifteenth from the left and Mohini is eighteenth from the right. If they interchange their positions, then Mohini will be fifteenth from the left. How many girls are there in that row ?

A 33

B 48

C 47

D Data inadequate

E None of these

Answer: D

Explanation:

The formula for the total number of girls is total girls = girls to the left of girl on the left + girls to the right of the girl on the right + girls in between both the girls. The information provided is insufficient as it doesn't mention as to how many girls are there between Mohini and Raveena.

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Question 5

In a certain code language , SHORT is written as ITOUS and DWARF as XEAGS. Then in the same code language, how will MANGO be written ?

A NBNHP

B BNNPH

C BNNHP

D LBNPF

E None of these

Answer: B

Explanation:

The word SHORT is divided into three parts : SH , O , RT

I : SH - IT

The diagonally opposite element is substituted by its immediate **following** alphabet in the English alphabetical series.

=> S is substituted by T at its diagonally opposite position. Similarly, H is substituted by I at its diagonally opposite position.

II : O - O

The middle letter is used as it is.

III : RT - US

The diagonally opposite element is substituted by its immediate **following** alphabet in the English alphabetical series.

=> R is substituted by S at its diagonally opposite position. Similarly, T is substituted by U at its diagonally opposite position.

Similar pattern can be observed for DWARF - XEAGS

Thus, code for MANGO :

MA - BN

N - N

GO - PH

∴ MANGO = BNNPH

Question 6

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

A Now

B Later

C Then

D Before

E Again

Answer: E

Explanation:

Except AGAIN, all are related with time.

Hence, 'again' is the odd one.

Question 7

Out of four persons, B is taller than C, A is taller than D but not as tall as C: Who among them is the tallest ?

A A

B B

C C

D Data inadequate

E None of these

Answer: B

Explanation:

B is taller than C, means $B > C$

A is taller than D but not as tall as C, means $C > A > D$

The order of heights is $B > C > A > D$

Hence B is the tallest.

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Question 8

In the following series of elements alphabets, number and symbols, what should come in place of the question mark (?)

Y 9 B * * W 7 D * U 5 F ?

A S 3 H *

B T # H *

C T * # H

D S * H S

E S H * 1

Answer: A

Explanation:

So the pattern here is from Y we moved three places to B. From B we move back 5 places to W. Again we go 7 places to D. We move back 9 places to U. Then we move 11 places to F. Now next term will be obtained by moving 13 places to S after which we will move back 15 places to H. The number between the two is getting reduced by 2 in subsequent sequences so the number between S and H will be 3.

So required term will be S3H. Thus option 1 is the correct answer.

Question 9

In a certain code language, MEAL is written as '\$ £ * @' and SAFE as 'o * + £'. How will FAME be written in the same code language ?

A + * \$ £

B * + \$ @

C + * @ \$

D £ @ * +

E None of the above

Answer: A

Explanation:

Following the above pattern, the code for :

F - +

A - *

M - \$

E - £

=> FAME = + * \$ £

Question 10

'If' is related to 'Condition' in the same way as 'But' is related to

A Appendix

B Deny

C Opposition

D Strength

E Approval

Answer: B

Explanation:

If is used when we want to specify any condition after a situation, similarly but is used when we want to put some restrictions after the statement. The word similar to restriction from the above options is deny. So the correct option is option 2.

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Instructions

The English alphabet is divided into five groups. Each group starts with the vowel and the consonants immediately following that vowel and the consonants immediately following that vowel are included in that group. Thus, the letters A, B, C, D will be in the first group, the letters E, F, G, H will be in the second group and so on. The value of the first group is fixed as 10, the second group as 20 and so on. The value of the last group is fixed as 50. In a group, the value of each letter will be the value of that group. To calculate the value of a word, you should give the same value of each of the letters as the value of the group to which a particular letter belongs and then add all the letters of the word: If all the letters in the word belong to one group only, then the value of that word will be equal to the product of the number of letters in the word and the value of the group to which the letters belong. However, if the letters of the words belong to different groups, then first write the value of all the letters. The value of the word would be equal to the sum of the value of the first letter and double the sum of the values of the remaining letters.

For Example : The value of word 'CAB' will be equal to $10 + 10 + 10 = 30$, because all the three letters (the first letter and the remaining two) belong to the first group and so the value of each letter is 10. The value of letter BUT = $10 + 2 \times 40 + 2 \times 50 = 190$ because the value of first letter B is 10, the value of T = 2×40 (T belongs to the fourth group) and the value of U = 2×50 (U belongs to the fifth group). Now calculate the value of each word given in questions 161 to 165 :

Question 11

AGE

- A 50
- B 90
- C 60
- D 70
- E None of these

Answer: B

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Here we have to find the total value of the word AGE

A = 10

G = 2×20

E = 2×20

So total value of AGE is $10 + 40 + 40 = 90$

So the correct answer is option B

Question 12

QUEUE

- A 140

- B 280
- C 320
- D 360
- E None of these

Answer: C

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Here we are required to find the total value of QUEUE

Q = 40

U = 2*50

E = 2*20

U = 2*50

E = 2*20

So total value of QUEUE is $40+100+40+100+40 = 320$

Thus option C is the correct choice.

Question 13

SPORT

- A 200
- B 360
- C 380
- D 250
- E None of these

Answer: A

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Here we are required to find the total value of SPORT

S = 40

P = 40

O = 40

R = 40

T = 40

Thus the total value of the word SPORT is $40*5 = 200$

So option 1 is correct.

Question 14

HIGH

- A 40
- B 60
- C 70
- D 80
- E None of these

Answer: E

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Here we are required to find the total value of HIGH

H = 20

I = 2*30

G = 20

H = 20

So the total value of HIGH is $20+60+20+20 = 120$

Thus option 5 is the correct.

Question 15

SHOP

- A 70
- B 120
- C 130
- D 140
- E None of these

Answer: E

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Here we have to find the total value for SHOP

S = 40

H = 2*20 {since it belongs to a different group}

O = 40

P = 40

So total value of SHOP is $40+40+40+40 = 160$

Thus option 5 is the correct choice.

Instructions

The English alphabet is divided into five groups. Each group starts with the vowel and the consonants immediately following that vowel and the consonants immediately following that vowel are included in that group. Thus, the letters A, B, C, D will be in the first group, the letters E, F, G, H will be in the second group and so on. The value of the first group is fixed as 10 and so on. The value of the last group is fixed as 50. In a group, the value of each letter will be the value of that group. To calculate the value of a word, you should give the same value of each of the letters as the value of the group to which a particular letter belongs and then add all the letters of the word: If all the letters in the word belong to one group only, then the value of that word will be equal to the product of the number of letters in the word and the value of the group to which the letters belong. However, if the letters of the words belong to different groups, then first write the value of that letter and the same value is given to all others letters in the word belonging to that group to which the first letter belongs. But for other letters, give double the value equivalent to the value of the group to which they belong.

For Example : The value of word 'CAB' will be equal to $10 + 10 + 10 = 30$, because all the three letters (the first letter and the remaining two) belong to the first group and so the value of each letter is 10. The value of letter BUT = $10 + 2 \times 40 + 2 \times 50 = 190$ because the value of first letter B is 10, the value of T = 2×40 (T belongs to the fourth group) and the value of U = 2×50 (U belongs to the fifth group).

Considering the information given Qs. 161 to 165, find out which one or two or three of the word denoted by A, B, C correspond to the given value ?

Question 16

80

a: HEAD

b: AHEAD

c: ODD

- A A and B only
- B A and C only
- C B and C only
- D All the three
- E None of these

Answer: B

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Value of HEAD is

H = 20

E = 20

A = 2×10

D = 2×10

So total value is $20 + 20 + 20 + 20 = 80$

Value of AHEAD =

A = 10

H = 2×20

E = 2×20

A = 10

D = 10

So the total value is $10 + 20 + 20 + 10 + 10 = 70$

Total Value of ODD is

O = 40

D = 2*10

D = 2*10

Thus the total value of ODD is 40+20+20 = 80

So both HEAD and ODD have a total value of 80, Thus option B is the correct Choice.

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Question 17

200

a: HOW

b: SKY

c: BEGAY

A A and B only

B B and C only

C A and C only

D A only

E All of the three

Answer: E

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 50

Value of HOW is

H = 20

O = 2*40

W = 2*50

So value of HOW is 20+80+100 = 200

Now for value of SKY

S = 40

K = 2*30

Y = 2*50

So total value of SKY is 40+60+100 = 200

Similarly checking for the value of BEGAY

B = 10

E = 2*20

G = 2*20

A = 20

Y = 2*50

So total value is 10+40+40+10+100 = 200

Thus all three words have a total value of 200, so the correct option choice is option 5.

Question 18

230

a: PAWN

b: WOLF

c: DOWN

- A A only
- B B only
- C C only
- D A and C only
- E B and C only

Answer: B

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40

Group 5 U V W X Y Z 5

Now let us calculate the values of given words

PAWN

P = 40 A belongs to different group so $A = 2 \times 10 = 20$ W also belongs to different group so Value of $W = 2 \times 50 = 100$

N also belongs to different group. so value of $N = 2 \times 30 = 60$

So required value of the word is $40 + 20 + 100 + 60 = 220$

Now similarly for WOLF

$W = 50$ $O = 2 \times 40$ $L = 2 \times 30$ $F = 2 \times 20$

Thus the total value of WOLF is $50 + 80 + 60 + 40 = 230$

Now similarly for DOWN

$D = 10$

$O = 2 \times 40$

$W = 2 \times 50$

$N = 2 \times 30$

So total value of DOWN is $10 + 80 + 100 + 60 = 250$

So only WOLF has a total value of 230, thus the correct option is option 2

Question 19

50

a: DAM

b: MAD

c: BAD

- A A only
- B A and B only
- C B and C only
- D B only
- E None of these

Answer: E

Explanation:

So the five groups of letters and the corresponding values of groups have been listed below.

Group 1 A B C D 10

Group 2 E F G H 20

Group 3 I J K L M N 30

Group 4 O P Q R S T 40
Group 5 U V W X Y Z 50

Now as per rules value of DAM is $10+10+2*30$ {Since D and A belong to the same group so both have value 10, M belongs to a group 3 so its value is $2*30$ }

So value of DAM is $20+60 = 80$

Now checking the value of MAD

$M = 30, A = 2*10 D = 2*10$

So the value of MAD is $30 + 20 + 20 = 70$

Now Checking for BAD

$B = 10 A = 10 D = 10$

So value of BAD = $10+10+10 = 30$

So we can see that for none of the three words the value is 50, So the correct answer is option 5

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Question 20

90

a: BEG

b: WAD

c: NOD

A A only

B B only

C C only

D A and B only

E All the three

Answer: D

Explanation:

The groups of vowels along with their group values have been tabulated below

Group 1 : A B C D 10

Group 2 : E F G H 20

Group 3 : I J K L M N 30

Group 4 : O P Q R S T 40

Group 5 : U V W X Y Z 50

Now Value of BEG is

$B = 10$

$E = 2*20$ {Since group is different from that of B}

$G = 2*20$

So total value of BEG is $40+40+10 = 90$

Similarly Value of WAD is

$W = 50$

$A = 2*10$

$D = 2*10$

So WAD = $50+20+20 = 90$

Similarly value of NOD

$N = 30$

$O = 2*40$

$D = 2*10$

So value of NOD is

$$30+80+20 = 130$$

So only A and B have their values equal to 90. Thus, the correct option is Option D

Instructions

Study the following arrangement carefully and answer the questions given below :

P%R15*MTE3B\$VN4KA8WI62G#UH7ÖJQ9LY

Question 21

How many such vowels are there in the above arrangement each of which is immediately preceded by a consonant and immediately followed by a number ?

- A None
- B One
- C Two
- D Three
- E Four

Answer: D

Explanation:

P%R15*MTE3B\$VN4KA8WI62G#UH7ÖJQ9LY

In the above sequence, the vowels which are immediately preceded by a consonant and followed by a number are

E A I

So there are 3 such vowels, hence option D is correct.

Question 22

How many such consonants are there in the above arrangement each of which is immediately preceded by a symbol and immediately followed by a consonant ?

- A None
- B One
- C Two
- D Three
- E Four

Answer: D

Explanation:

P%R15*MTE3B\$VN4KA8WI62G#UH7ÖJQ9LY

In the above sequence the consonants which are immediately preceded by a symbol and immediately followed by consonants are:

M V J

So there are three such consonants. Hence option D is correct.

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Question 23

What should come in place of question mark (?) in the following series based on the above arrangements ?

1 * T 3 \$ N K 8 1 ? Ö Q L

- A 2 # H

- B G H J
- C 6 G H
- D H J 9
- E None of these

Answer: A

Explanation:

Original sequence: P % R 1 5 * " id="MathJax-Element-1-Frame" role="presentation" tabindex="0">* M T E 3 B \$ V N 4 K A 8 W I 6 2 G # U H 7 Ö J Q 9 L Y

Question Sequence: 1 * T 3 \$ N K 8 I ? Ö Q L

The pattern here is simple, alternate terms have been written down in the question sequence.

So after I we should have 2 followed by #, followed by H

This is there in the first option, so the correct answer is option A

Question 24

Four of the following five are alike in a certain way with regard to their position in the above arrangement. Which is one does not belong to that group ?

- A G U I
- B W 6 4
- C 7 J #
- D 5 M %
- E B V T

Answer: B

Explanation:

P % R 1 5 * M T E 3 B \$ V N 4 K A 8 W I 6 2 G # U H 7 Ö J Q 9 L Y

Among all the given options, the second element is obtained by moving two places to the right of the first element, similarly 3rd element is obtained by moving 3 places to the left of first element. All the options follow this trend except option B. So Option B is the odd one out.

Question 25

Which of the following is the seventh to the right of the twentieth from the right in the above arrangements ?

- A 2
- B 1
- C G
- D 6
- E None of these

Answer: D

Explanation:

P % R 1 5 * M T E 3 B \$ V N 4 K A 8 W I 6 2 G # U H 7 Ö J Q 9 L Y

Twentieth element from the right is N

Seventh to the right of N is 6, Thus option D is the correct choice.

Instructions

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 statement are sufficient to answer the question. Read both the statements and give answer.

Question 26

How many daughters does M have ?

a: P and Q are the only daughters of N.

b: D is brother of P and son of M. D and Q are siblings.

- A** If the data in statement I alone are sufficient to answer the question, while the 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 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 given in both the statements I and II together are not sufficient to answer the question
- E** If the data in both the statements I and II together are necessary to answer the question.

Answer: E

Explanation:

Using statement a, we know that P and Q are only daughters of N. But we cannot establish any relationship between N and M. Hence, statement a alone is insufficient.

Using statement b, we know that D, Q and P are the children of M. But we do not know whether Q is a male or female member. Hence, statement b alone is insufficient.

Using both statements A and B, we can conclude that D, P and Q are siblings and they are children of M and N. Also, it is clear that P and Q are the only daughters of M and N (from statement a). Hence, both the statements together are necessary to solve the question.

Option E is the right answer.

Question 27

How is 'then' written in a code language ?

a: 'now and then' is written as 'ka da ta' in that code language

b: 'then you come' is written as 'da ma pa' in that code language

- A** If the data in statement I alone are sufficient to answer the question, while the 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 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 given in both the statements I and II together are not sufficient to answer the question
- E** If the data in both the statements I and II together are necessary to answer the question.

Answer: E

Explanation:

Since "then" is the only word present in both the sentences, its code can be uniquely determined. Hence, both the statements are necessary to solve the question.

then - Da

Option E is the right answer.

Question 28

Who amongst P, Q, R, S and T is the heaviest ?

a: Q is heavier than R and T but lighter than only S.

b: R is third from the top when they are arranged in descending order of their weight and is heavier than T and P.

- A If the data in statement I alone are sufficient to answer the question, while the 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 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 given in both the statements I and II together are not sufficient to answer the question
- E If the data in both the statements I and II together are necessary to answer the question.

Answer: A

Explanation:

I : Q is lighter than only S. This means Q is the heaviest.

Thus, I alone is sufficient.

II : R is third heaviest and is also heavier than T & P.

=> S, Q > R > T, P

We cannot conclude who is heavier between S and Q.

Thus II alone is not sufficient.

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Question 29

Towards which direction is Q from R ?

a: Q is exactly to the east of M

b: M is exactly to the south of R.

- A If the data in statement I alone are sufficient to answer the question, while the 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 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 given in both the statements I and II together are not sufficient to answer the question
- E If the data in both the statements I and II together are necessary to answer the question.

Answer: E

Explanation:

Clearly, I alone & II alone are insufficient as there is no info about R and Q in statements I and II respectively.

I & II : Q is to the east of M and M is to the south of R.

=> Q is to the south-east of R.

Thus, I & II together are sufficient.

Question 30

On which day of the week did Sohan visit Chennai ?

a: Sohan returned to Hyderabad from Chennai on Thursday

b: Sohan left Hyderabad on Monday for Chennai.

- A If the data in statement I alone are sufficient to answer the question, while the 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 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 given in both the statements I and II together are not sufficient to answer the question
- E If the data in both the statements I and II together are necessary to answer the question.

Answer: D

Explanation:

Since, we do not have any data about the time required to travel to Chennai even after combining I and II.

Thus, I and II together are not sufficient to answer the question.

Instructions

Study the following information carefully and answer the questions given below.

P, Q, R, S, T, V and W are seven members of a family. Each one of them has a different profession— Doctor, Teacher, Lawyer, Engineer, Architect, Chartered Accountant and Banker and their incomes are different. These are two married couples in the group. R is the Doctor and earns more than the Engineer and the Lawyer. T is married to the Chartered Accountant and she earns the least. No lady is either Lawyer or Engineer. Q, the Teacher, earns less than P—the Banker. W is married to Q and he earns more than S and P. V is not the Lawyer. The Chartered Accountant earns less than the Lawyer but more than the Banker.

Question 31

What is the profession of V?

- A Engineer
- B Chartered Accountant
- C Engineer or Chartered Accountant
- D Data inadequate
- E None of these

Answer: C

Explanation:

The data can be arranged as,

P - Sex Not Known - Banker

Q - Female - Teacher

R - Sex Not Known - Doctor

S - Male - Engineer/CA

T - Female - Architect

V - Male - CA/Engineer

W - Male - Lawyer

The decreasing of incomes earned could be

either: $R > W > V > P > Q > S > T$

or: $R > W > S > P > Q > V > T$

Hence V is either Engineer or CA.

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Question 32

What is P's position from the top when they are arranged in descending order of their income ?

- A Second
- B Fourth
- C Third
- D Sixth
- E None of these

Answer: B

Explanation:

The data can be arranged as,

P - Sex Not Known - Banker

Q - Female - Teacher

R - Sex Not Known - Doctor

S - Male - Engineer/CA

T - Female - Architect

V - Male - CA/Engineer

W - Male - Lawyer

The decreasing of incomes earned could be

either: $R > W > V > P > Q > S > T$

or: $R > W > S > P > Q > V > T$

In both the orders P's position is 4th.

Question 33

At least how many male members are there in the family ?

- A Two
- B Three
- C Four
- D Five
- E None of these

Answer: B

Explanation:

The data can be arranged as,

P - Sex Not Known - Banker

Q - Female - Teacher

R - Sex Not Known - Doctor

S - Male - Engineer/CA

T - Female - Architect

V - Male - CA/Engineer

W - Male - Lawyer

The decreasing of incomes earned could be

either: $R > W > V > P > Q > S > T$

or: $R > W > S > P > Q > V > T$

There are atleast 3 male members in the family.

Question 34

Who earns the maximum in the family ?

A V

B W

C R

D S

E None of these

Answer: C

Explanation:

The data can be arranged as,

P - Sex Not Known - Banker

Q - Female - Teacher

R - Sex Not Known - Doctor

S - Male - Engineer/CA

T - Female - Architect

V - Male - CA/Engineer

W - Male - Lawyer

The decreasing of incomes earned could be

either: $R > W > V > P > Q > S > T$

or: $R > W > S > P > Q > V > T$

R earns the maximum.

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Question 35

Which of the following is a pair of married couple ?

A RT

B VT

C QT

D ST

E None of these

Answer: E

Explanation:

The data can be arranged as,

P - Sex Not Known - Banker

Q - Female - Teacher

R - Sex Not Known - Doctor

S - Male - Engineer/CA

T - Female - Architect

V - Male - CA/Engineer

W - Male - Lawyer

The decreasing of incomes earned could be

either: $R > W > V > P > Q > S > T$

or: $R > W > S > P > Q > V > T$

WQ is a married couple. Another couple could be ST or VT but it cannot be told which of them is a couple. Hence None of these.

Instructions

In each of the questions below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Question 36

Statements:

Some fruits are flowers. No flower is boat. All boats are rivers.

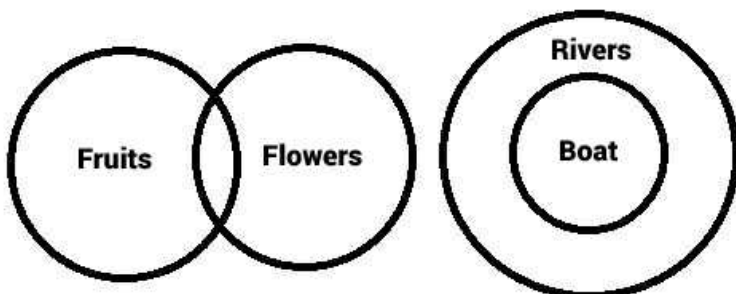
Conclusions:

- I. Some fruits are rivers**
- II. Some rivers are boats.**
- III. Some rivers are flowers.**
- IV. Some flowers are fruits.**

- A** All follow
- B** Only II and IV follow
- C** Only I and III follow
- D** Only II and III follow
- E** None of these

Answer: B

Explanation:



We use elimination to find an exception to the generality of the conclusions. Thus we prove they are not implied. The diagram above satisfies all the statements but contradicts the conclusions I and III. Since we found an exception, the conclusions are not true in

"every" case. Thus they are not implied.

We can draw many scenarios that satisfy the statements using Venn diagrams and check for the validity of the conclusions. Conclusions II and IV hold in every case. So, they are implied.

Question 37

Statements:

Some buses are horses. All horses are goats. All goats are dogs.

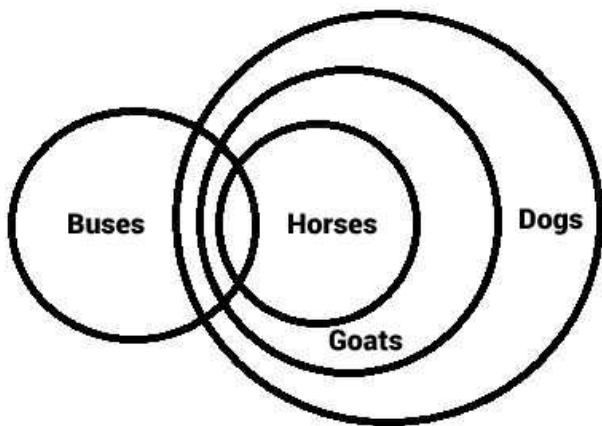
Conclusions:

- I. Some dogs are buses.**
- II. Some dogs are horses**
- III. Some dogs are goats.**
- IV. Some buses are goats.**

- A** None follows
- B** Only I and II follow
- C** Only II and III follow
- D** Only III and IV follow
- E** All follow

Answer: E

Explanation:



We can draw many scenarios that satisfy the statements using Venn diagrams and check for the validity of the conclusions. Conclusions I, II, III and IV hold in every case. So, they are implied.

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Question 38

Statements:

Some chairs are buildings. All buildings are cars. Some cars are trucks.

Conclusions:

- I. Some trucks are chairs.**
- II. Some chairs are cars.**
- III. Some cars are buildings**
- IV. No truck is chair.**

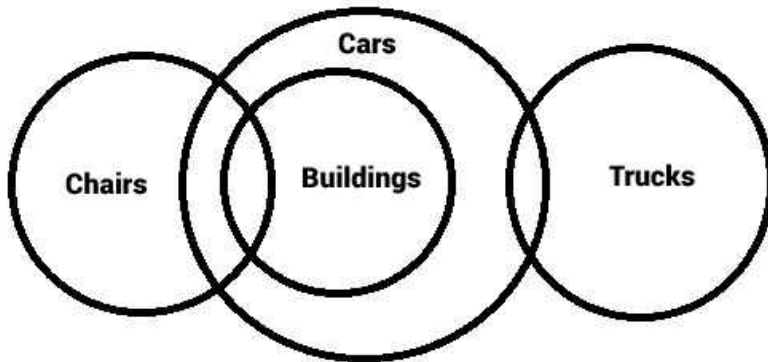
- A** None follows
- B** Only II and III follow
- C** Only either I or II and III and IV follow

D Only either I or IV and II and III follow

E All follow

Answer: D

Explanation:



We can draw many scenarios that satisfy the statements using Venn diagrams and check for the validity of the conclusions. Conclusions II and III hold in every case. So, they are implied.

Irrespective of the diagram, conclusions I and IV are universally complimentary i.e. one of the two always has to be implied but both can't be true at the same time. Hence we use "either" and "or".

Question 39

Statements:

All doors are windows. All houses are windows. Some windows are tablets.

Conclusions:

I. Some doors are houses

II. Some houses are tablets.

III. Some tables are doors

IV. All tablets are windows.

A None follows

B Only I follows

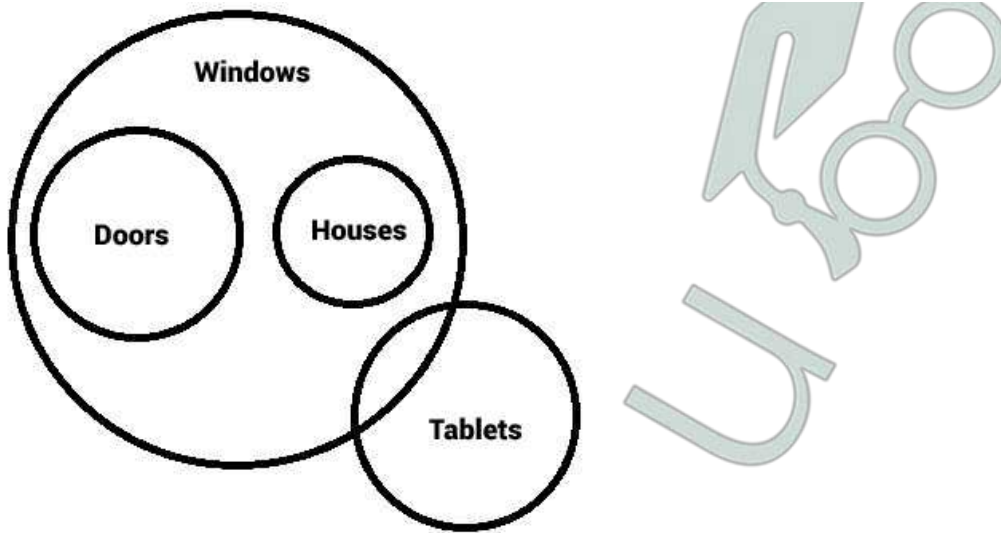
C Only I and III follow

D Only II and IV follow

E All follow

Answer: A

Explanation:



We use elimination to find an exception to the generality of the conclusions. Thus we prove they are not implied. The diagram above satisfies all the statements but contradicts all the conclusions. Since we found an exception, the conclusions are not true in "every" case. Thus they are not implied.

Question 40

Statements:

All tigers are papers. No paper is tree: All trees are roads.

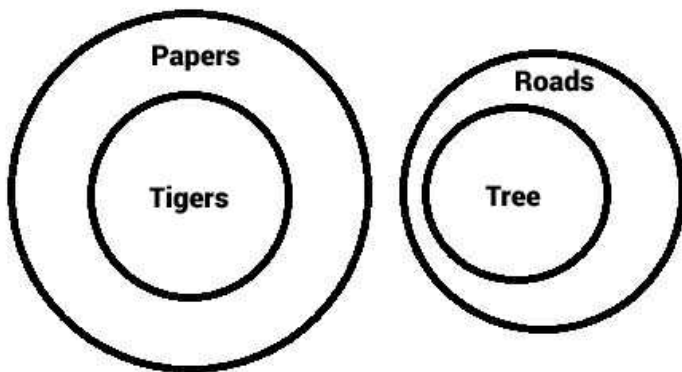
Conclusions:

- I. No tiger is tree**
- II. Some roads are trees**
- III. Some papers are tigers**
- IV. Some tigers are trees**

- A** Only I and II follow
- B** Only II, III and IV follow
- C** Only either I or IV and II and III follow
- D** Only I, II and III follow
- E** None of these

Answer: D

Explanation:



We use elimination to find an exception to the generality of the conclusions. Thus we prove they are not implied. The diagram above satisfies all the statements but contradicts conclusion IV. Since we found an exception, the conclusion is not true in "every" case. Thus it is not implied.

We can draw many scenarios that satisfy the statements using Venn diagrams and check for the validity of the conclusions. Conclusions I, II and III hold in every case. So, they are implied.

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Instructions

In these questions, certain symbols have been used to indicate relationships between elements as follows :

$P @ Q$ means P is not greater than Q.

$P \# Q$ means P is not smaller than Q

$P \odot Q$ means P is neither greater than Q nor smaller than Q

$P \star Q$ means P is neither greater than Q nor equal to Q

$P \$ Q$ means P is neither smaller than Q nor equal to Q.

In each questions, three statements showing certain relationships have been given, followed by two conclusions I and II. Assuming that the given statements are true, find out which of the two conclusions is/are definitely true:

Question 41

Statements: $D @ T, T \star E, E \$ N$

Conclusions: I. $E \$ D$

II. $T \$ N$

- A if only "conclusion I" is true
- B if only "conclusion II" is true
- C if either "conclusion I or II" is true
- D if neither conclusion I nor II" is true
- E if both the "conclusion I and II are true

Answer: A

Explanation:

Statements :

$D \leq T, T < E, E > N$

$\Rightarrow E > T \geq D$ and $E > N$

Conclusions :

$E > D$ [true]

$T > N$ [cannot be determined]

Thus, only conclusion I is true.

Question 42

Statements: $H \star F, F \# G, G \odot Q$

Conclusions: I. $Q \odot F$

II. $Q \star F$

- A if only "conclusion I" is true;
- B if only "conclusion II" is true;
- C if either "conclusion I or II" is true;
- D if neither conclusion I nor II" is true
- E if both the "conclusion I and II are true:

Answer: C

Explanation:

Statements :

$$H < F, F \geq G, G = Q$$

$$\Rightarrow F \geq G = Q \text{ and } F > H$$

Conclusions :

$$Q = F$$

$$Q < F$$

Since $Q \leq F$

Thus, either conclusion I or II is true.

Question 43

Statements: $K * T, T \$ F, F \# R$

Conclusions: I. $K \$ R$

II. $F * K$

A if only "conclusion I" is true;

B if only "conclusion II" is true;

C if either "conclusion I or II" is true;

D if neither conclusion I nor II" is true

E if both the "conclusion I and II are true:

Answer: D

Explanation:

Statements :

$$K < T, T > F, F \geq R$$

$$\Rightarrow T > F \geq R \text{ and } T > K$$

Conclusions :

$K > R$ [cannot be determined]

$F < K$ [cannot be determined]

Thus, neither conclusions are true.

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Question 44

Statements: $M \odot R, R \$ K, K \# A$

Conclusions: I. $M \odot A$

II. $M \$ A$

A if only "conclusion I" is true;

B if only "conclusion II" is true;

C if either "conclusion I or II" is true;

D if neither conclusion I nor II" is true

E if both the "conclusion I and II are true:

Answer: B

Explanation:

Statements :

$$M = R, R > K, K \geq A$$

$$\Rightarrow M = R > K \geq A$$

Conclusions :

$$M = A \text{ [not true]}$$

$$M > A \text{ [true]}$$

Thus, only conclusion II is true.

Question 45

Statements: B @ V, V © M, J \$ M

Conclusions: I. J \$ B

II. J \$ V

A if only "conclusion I" is true;

B if only "conclusion II" is true;

C if either "conclusion I or II" is true;

D if neither conclusion I nor II" is true

E if both the "conclusion I and II are true:

Answer: E

Explanation:

Statements :

$$B \leq V, V = M, J > M$$

$$\Rightarrow J > M = V \geq B$$

Conclusions :

$$J > B \text{ [true]}$$

$$J > V \text{ [true]}$$

Thus, both conclusions are true.

Instructions

In making decisions about important questions, it is desirable to be able to distinguish between "strong" arguments and "weak" arguments so far as they are related to the question. "Strong" arguments must be both important and directly related to the question. "Weak" arguments may not be directly related to the question and may be of minor importance or may be related to the trivial aspects of the question. Each question below is followed by two arguments numbered I and II. You have to decide which of the arguments is a "strong" argument and which is a "weak" arguments. Give your answer as---

Question 46

Should the opening of the new management educational institute be completely banned ?

Arguments:

I. Yes, There is no need to establish new institute, as there are already sufficient management institutes in the country.

II. No, We need more managers with professional aptitude during the forthcoming years because the future scenario will be more competitive:

A if only argument I is strong.

B if only argument II is strong

C if either argument I or II is strong

D if neither argument I nor II is strong

E if both the arguments I and II are strong.

Answer: E

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Question 47

Should the private organisations be allowed to implement the security-related research activities.

Arguments:

- I. No, private organisations will be penetrable to our enemy, therefore, the implementation of such activities should be allowed:
II. Yes, Government does not have sufficient funds to implement such activities and the private organisations will manage the necessary funds.

A if only argument I is strong.

B if only argument II is strong

C if either argument I or II is strong

D if neither argument I nor II is strong

E if both the arguments I and II are strong.

Answer: A

Question 48

Should there be a longer term for President of India ?

Arguments:

- I. No, President of India is non-executive head of the country and hence there is no needs of extending the term.
II. Yes, this will help the President to guide the government in formulating long term objectives.

A if only argument I is strong.

B if only argument II is strong

C if either argument I or II is strong

D if neither argument I nor II is strong

E if both the arguments I and II are strong.

Answer: A

Question 49

Should all the foreign investments be concentrated only in few States ?

Arguments:

- I. No, This goes against the all round economic development of the country.
II. Yes, as many states do not have the requisite infrastructure to attract foreign investments.

A if only argument I is strong.

B if only argument II is strong

C if either argument I or II is strong

D if neither argument I nor II is strong

E if both the arguments I and II are strong.

Answer: A

Question 50

Should the recruitment in banks be purely on the basis of past academic achievement without conducting competitive written tests ?

Arguments:

I. Yes, this will help the unemployed youth as they will not need to spend money for such competitive examinations.

II. No, the past academic achievement cannot be considered as the criterion as there is no uniformity in standards of assessment across universities and institutions.

- A if only argument I is strong.
- B if only argument II is strong
- C if either argument I or II is strong
- D if neither argument I nor II is strong
- E if both the arguments I and II are strong.

Answer: B

Instructions

In each of question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy etc: On the basis of the information given in the statement to be true, then decide which of the suggested courses of action logically follow(s) for pursuing. Give your answer as---

- a: if only I follows
- b: if only II follows
- c: if either I or II follows
- d: if neither I nor II follows
- e: if both I and II follow

Question 51

Statement: Three persons was caught with a large cache of arms in the city.

Course of action :

I. The police personnel should be instructed to keep a tighter vigil in the city.

II. The three persons should be allowed to go scot-free and monitor their activities for nabbing other criminals.

- A if only I follows
- B if only II follows
- C if either I or II follows
- D if neither I nor II follows
- E if both I and II follow

Answer: A

Explanation:

The first course of action definitely follows as the police should keep a tighter vigil in the city so that it may not occur in the future. The second action is not advisable as the persons should not be allowed to leave without punishment.

Thus, only I follows.

=> Ans - (A)

Question 52

Statements: There has been an unprecedented increase in the number of patients with water -borne diseases in the city during monsoon.

Arguments:

- I. The government should initiate steps to educate the general public about the importance of drinking safe water.
- II. All the hospitals in the city should be equipped to treat such patients during monsoon.

- A if only I follows
- B if only II follows
- C if either I or II follows
- D if neither I nor II follows
- E if both I and II follow

Answer: E

Explanation:

The statement indicates that the number of patients with water-borne diseases are increasing, so the government should take steps to create awareness among general public about importance of clean water. Also, the hospitals should have the facilities to treat and handle such number of patients.

Thus, both I and II follow.

=> Ans - (E)

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Question 53

Statement: At least fifteen people were killed and large number of people injured when a bus fell off from a bridge into the river.

Course of action:

- I. The side walls of the bridges should immediately be strengthened to avoid such accidents.
- II. The driver of the bus should immediately be arrested and be put on trial.

- A if only I follows
- B if only II follows
- C if either I or II follows
- D if neither I nor II follows
- E if both I and II follow

Answer: A

Explanation:

The first course of action definitely follows to avoid such accidents in the future.

The driver should not be immediately arrested as it is unclear whether it was driver's fault or because of bad condition of the bridge.

Thus, only I follows.

=> Ans - (A)

Question 54

Statement : The state government has decided to provide relief by way of food and clothes to all the flood victims in the state:

Course of action:

- I. The government machinery should identify those people who are affected by flood and are to be provided with relief material.
- II. The government machinery should procure enough food and clothes for providing relief to the flood victims.

- A if only I follows
- B if only II follows
- C if either I or II follows
- D if neither I nor II follows
- E if both I and II follow

Answer: E

Explanation:

Both the actions mean the same thing, as it is the government's duty to provide relief material and food for the flood victims.

Thus, both I and II follow.

=> Ans - (E)

Question 55

Statement: The meteorological department has forecasted that this year, there will be good monsoon season for the tenth consecutive year, resulting in the growth of bumper crop.

Course of action:

- I. Government should off load some portion of the foodgrains in warehouses before harvesting.
- II. Government should immediately try to provide chemical fertilisers to the formers.

- A if only I follows
- B if only II follows
- C if either I or II follows
- D if neither I nor II follows
- E if both I and II follow

Answer: A

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Instructions

There is a Passage given below followed by several possible inferences which can be drawn from the facts stated in the Passage: You have to examine each inference separately in the context of the given Passage and then decide upon its degree of truth or falsity. Mark your answer as--

Dangerous rubbish material management-- This is area of the most significant problem of India, related to the environment arising out of the fast industrial development specially in petrochemicals, chemicals, electronics, heavy engineering and automobile industries. The consequence of this development has been in the increase in the formation of the poisonous and dangerous waste material. Due to this whatever remains are there, during the treatment of waste disposal and hormones produced by these industries, the danger of water and land resources and being seriously polluted is on the increase because of their excessive delivery. Today, the industrial sector and the government, both are facing the challenge of providing the basic structure for the well protected transport and the disposal of the dangerous waste material. There has been a tremendous pressure on the industrial sector due to lack of sufficiently and scientifically outlined techniques for general performance, warehouse and disposable facilities. 'Stop Gap arrangements' which are in the form of inferior design and structure facilities are making this problem more complicated. In fact, these are proving a big hurdle for the environment.

Question 56

There has been an increase in the environmental related pollution due to the disposable practices of the industrial waste flow.

- A if the inference is "definitely true", i.e., it properly follows from the statement of facts given.

- B if the inference is "probably true", though not "definitely true" in the light of the facts given.
- C if the "data are inadequate", i.e., from the facts given, you cannot say whether the inference is likely to be true or false:
- D if the inference is 'probably false" though not "definitely false" in the light of the facts given.
- E if the inference is "definitely false", i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

Answer: A

Question 57

Industrially developed countries have successfully outlined the well protected transport and disposable practices of the industrial waste:

- A if the inference is "definitely true", i.e., it properly follows from the statement of facts given.
- B if the inference is "probably true", though not "definitely true" in the light of the facts given.
- C if the "data are inadequate", i.e., from the facts given, you cannot say whether the inference is likely to be true or false:
- D if the inference is 'probably false" though not "definitely false" in the light of the facts given.
- E if the inference is "definitely false", i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

Answer: C

Question 58

The land water of the industrial cities of India and their neighbourhood is safe from the industrial waste flow.

- A if the inference is "definitely true", i.e., it properly follows from the statement of facts given.
- B if the inference is "probably true", though not "definitely true" in the light of the facts given.
- C if the "data are inadequate", i.e., from the facts given, you cannot say whether the inference is likely to be true or false:
- D if the inference is 'probably false" though not "definitely false" in the light of the facts given.
- E if the inference is "definitely false", i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

Answer: E

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Question 59

India has developed the most modern transport technique for the waste disposal.

- A if the inference is "definitely true", i.e., it properly follows from the statement of facts given.
- B if the inference is "probably true", though not "definitely true" in the light of the facts given.
- C if the "data are inadequate", i.e., from the facts given, you cannot say whether the inference is likely to be true or false:
- D if the inference is 'probably false" though not "definitely false" in the light of the facts given.
- E if the inference is "definitely false", i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

Answer: C

Question 60

There is maximum environmental pollution in the industrially developed cities in India:

- A if the inference is "definitely true", i.e., it properly follows from the statement of facts given.
- B if the inference is "probably true", though not "definitely true" in the light of the facts given.
- C if the "data are inadequate", i.e., from the facts given, you cannot say whether the inference is likely to be true or false:
- D if the inference is "probably false" though not "definitely false" in the light of the facts given.
- E if the inference is "definitely false", i.e., it cannot possibly be drawn from the facts given or it contradicts the given facts.

Answer: B

Instructions

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 assumption is implicit in the statement. Give your answer as--

Question 61

Statement: The local police has issued a notification to the effect that all the residents should be alert as anti -social elements are seen in the area:

Assumptions:

- I. The local residents take a note of such notification.
- II. The anti- social elements will move to some other locality.

- A if only assumption I is implicit
- B if only assumption II is implicit
- C if either I or II is implicit
- D if neither I nor II is implicit
- E if both I and II are implicit

Answer: A

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Question 62

Statement: The state government has decided to withdraw the concessional air ticket facility to students.

Assumptions:

- I. The students may not travel by air in future:
- II. The students desirous of travelling by air will be able to pay full fare

- A if only assumption I is implicit
- B if only assumption II is implicit
- C if either I or II is implicit
- D if neither I nor II is implicit
- E if both I and II are implicit

Answer: B

Question 63

Statement: The principal instructed all the teachers to be vigilant in their classroom as some students are reported to be disturbing other students.

Assumptions:

- I. The teachers will be able to control the situation and nab the trouble-makers
- II. All students may welcome this move of the principal

- A if only assumption I is implicit
- B if only assumption II is implicit
- C if either I or II is implicit
- D if neither I nor II is implicit
- E if both I and II are implicit

Answer: A

Question 64

Statement: 'X Bank' the largest bank in the country has decided to reduce its work force by 30 per cent to make it an efficient bank.

Assumptions:

- I. The bank will be able to carry out all the required activities with the reduced work force:
- II. The surplus employees may opt for early retirement scheme and leave the bank.

- A if only assumption I is implicit
- B if only assumption II is implicit
- C if either I or II is implicit
- D if neither I nor II is implicit
- E if both I and II are implicit

Answer: A

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Question 65

Statement: The 'music-lovers' club' has announced a variety programme of upcoming musicians.

Assumptions:

- I. Many people are interested to attend such programmes.
- II. The upcoming artists are able to attract large audience:

- A if only assumption I is implicit
- B if only assumption II is implicit
- C if either I or II is implicit
- D if neither I nor II is implicit
- E if both I and II are implicit

Answer: E

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Quant

Instructions

Find out the wrong number in the given following sequence.

Question 66

7 4 6 9 20 52.5 160.5

- A 6
- B 4
- C 20
- D 9
- E 52.5

Answer: A

Explanation:

$$(7 + 1) \times 0.5 = 4$$

$$(4 + 1) \times 1 = 5$$

$$(5 + 1) \times 1.5 = 9$$

$$(9 + 1) \times 2 = 20$$

$$(20 + 1) \times 2.5 = 52.5$$

$$(52.5 + 1) \times 3 = 160.5$$

∴ The incorrect number is 6.

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Question 67

4, 6, 12, 30, 75, 315, 1260

- A 315
- B 75
- C 12
- D 6
- E 30

Answer: B

Explanation:

The pattern of the number series is as given below

$$6 = 4 \times 1.5$$

$$12 = 6 \times 2$$

$$30 = 12 \times 2.5$$

$$90 = 30 \times 3$$

$$315 = 90 \times 3.5$$

$$1260 = 315 \times 4$$

Hence, the number which is wrong in the given series is 75 (it should have been 90)

Question 68

3, 4, 13, 38, 87, 166, 289

- A 38
- B 13
- C 87
- D 166
- E 4

Answer: D

Explanation:

The difference between consecutive numbers in the series are the squares of odd numbers.

For example, $4 - 3 = 1$

$$13 - 4 = 9$$

$$38 - 13 = 25$$

$$87 - 38 = 49$$

$$168 - 87 = 81$$

$$289 - 168 = 121$$

Hence the number which is wrong in the series is 166 (it should be 168)

Question 69

4 5 9 29 111 556 3335

- A 5
- B 9
- C 29
- D 111
- E 556

Answer: C

Explanation:

$$(4 \times 1) + 1 = 5$$

$$(5 \times 2) - 1 = 9$$

$$(9 \times 3) + 1 = 28$$

$$(28 \times 4) - 1 = 111$$

$$(111 \times 5) + 1 = 556$$

$$(556 \times 6) - 1 = 3335$$

\therefore The incorrect number is 29.

Question 70

2, 6, 16, 38, 84, 176, 368

- A 6
- B 16

- C 38
- D 84
- E 176

Answer: E

Explanation:

The series given above follows the below pattern.

$$\begin{aligned}6 &= 2 \times 2 + 2 \\16 &= 6 \times 2 + 4 \\38 &= 16 \times 2 + 6 \\84 &= 38 \times 2 + 8 \\178 &= 84 \times 2 + 10 \\368 &= 178 \times 2 + 12\end{aligned}$$

Hence, the number which is wrong in the series is 178

Instructions

For the following questions answer them individually

Question 71

A boat running downstreams covers a distance of 16 km in 2 hours while for covering the same distance upstream it takes 4 hours. What is the speed of the boat in still water?

- A 4 kmph
- B 6 kmph
- C 8 kmph
- D Data inadequate
- E None of these

Answer: B

Explanation:

Let the speed of the boat in still water be B and the speed of the water be W.
So, speed of the boat downstream is B+W and the speed of the boat upstream is B-W.

From the information given, the speed of the boat downstream is $16/2 = 8$ kmph
Speed of the boat upstream is $16/4 = 4$ kmph

Hence, $B+W = 8$ and $B-W = 4$
So, $B = 6$ kmph and $W = 2$ kmph

Question 72

What approximate value should come in place of question mark(?) in the following equation ?
 $9876 \div 24.96 + 215.005 - ? = 309.99$

- A 395
- B 295
- C 300
- D 315
- E 310

Answer: C

Explanation:

Let x be the value of the unknown number.

$$\begin{aligned}x &= 24.96 + 215.005 - 309.99 \\ &= 395.67 - 94.985 \approx 300\end{aligned}$$

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Question 73

Sunetra invested an amount of Rs. 50,000 to start a software business. After six months Nikhil joined her with an amount of Rs. 80,000. At the end of 3 years they earned a profit of Rs. 24,500/-. What is Sunetra's share in the profit ?

- A Rs. 14,000
- B Rs. 9,423
- C Rs. 10,250
- D Rs. 12,500
- E None of these

Answer: E

Explanation:

The profit shares of the two are proportional to the weighted average of investment and time. Sunetra invested 50000 for 3 years and Nikhil invested 80000 for 2.5 years.

Hence, the relative ratio is $50000 \times 36 : 80000 \times 30 = 180:240 = 3:4$

Total profit is 24500.

Hence, Sunetra's share in it is $\frac{3}{7} \times 24500 = 10500$

Question 74

Two girls and four boys are to be seated in a row, in such a way that the girls do not sit together. In how many different ways can it be done ?

- A 720
- B 480
- C 360
- D 240
- E None of these

Answer: B

Explanation:

In order to solve this question, let us find the total number of ways of arranging four boys and two girls and remove the number of arrangements in which both the girls sit together.

Total number of ways of arranging 4 boys and 2 girls is $6! = 720$

Total number of ways of arranging them in such a way that both the girls sit together is $(6-1)! \times 2 = 240$

Hence, the answer is $720 - 240 = 480$

Question 75

Average weight of three boys P, T and R is $54\frac{1}{3}$ kg while the average weight of three boys T, F and G is 53kg. What is the average weight of P, T, R, F and G ?

- A 53.8 kg
- B 52.4 kg
- C 53.2 kg
- D Data inadequate
- E None of these

Answer: D

Explanation:

The average weight of the three boys P,T and R is $54\frac{1}{3}$
 So, the total weight of the three boys P,T and R is $3 * \frac{163}{3} = 163$
 So, P+T+R = 163

Similarly total weight of T,F and G is 53 kg.
 So, the total weight of the three boys T,F and G is $53 * 3 = 159$
 So, T+F+G = 159

Therefore, P+R+F+G+2T = 322

We need to find P+T+R+F+G in order to find the average weight of the five boys. However, as we don't know the weight of T, we can't find the average weight of the five boys.

So, the data is inadequate to answer the question.

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Question 76

If $2x + 3y + z = 55$, $x + z - y = 4$ and $y - x + z = 12$, then what is the value of y ?

- A 7
- B 8
- C 12
- D 9
- E None of these

Answer: E

Explanation:

We have a group of three equations in three unknowns.

$$2x + 3y + z = 55,$$

$$x + z - y = 4$$

$$\text{and } y - x + z = 12$$

Adding the second and third equations together, we get $2z = 16$ or $z = 8$
 Adding the first equation and twice the third equation, we get $(2x + 3y + z) + 2*(y-x+z) = 55 + 2*12 = 79$

Hence, $5y + 3z = 79$.
 As $z=8$, it implies that $5y = 55$ or $y=11$

As this is not given in any of the options, the correct answer is option (e)

Question 77

405 sweets were distributed equally among children in such a way that the number of sweets received by each child is 20% of the total no. of children. How many sweets did each child receive ?

- A 15
- B 45
- C 9
- D 18
- E None of these

Answer: C

Explanation:

Let the number of children be C.
So, the number of sweets that each child gets is 20% of C.
Hence, the total number of sweets there are is $20\% \times C \times C$ which equals 405.
So, $20\%C^2 = 405$ or $C^2 = 2025$
Hence, $C=45$ and the number of sweets each child gets is 9

Question 78

Sudharshan invested Rs. 15,000 at interest @ 10 p.c.p.a for one year. If the interest is compounded every six months what amount will Sudharshan get at the end of the year?

- A Rs. 16, 537.50
- B Rs. 16, 500
- C Rs. 16,525.50
- D Rs. 18,150
- E None of these

Answer: A

Explanation:

As the interest is compounded every six months, the effective rate of interest is 5% p.a and the number of terms is two.
Hence, the total amount that Sudharshan receives at the end of the year is $15000 \times 1.05 \times 1.05 = \text{Rs. } 16,537.5$

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Question 79

Ratio of the earnings of A and B is 4 : 7. If the earnings of A increase by 50% and the earnings of B decrease by 25% the new ratio of their earnings becomes 8 : 7. What are A's earnings ?

- A Rs. 26, 000
- B Rs. 28, 000
- C Rs. 21, 000
- D Data inadequate
- E None of these

Answer: D

Explanation:

Let the earnings of A and B be 4X and 7X respectively.
If earnings of A increase by 50%, he earns $4X \times 150\% = 6X$

If earnings of B decrease by 50%, he earns $7X \times 75\% = 21/4X$
So, the new ratio becomes $6X:21/4X = 8:7$

This information doesn't give any new information about the value of X and hence its value can't be determined.

Question 80

The wheat sold by a grocer contained 10% low-quality wheat. What quantity of good-quality wheat should be added to 150 kg of wheat so that the percentage of low-quality wheat becomes 5% ?

- A 150 kg
- B 135 kg
- C 50 kg
- D 85 kg
- E None of these

Answer: A

Explanation:

150 Kg of weight contains 10% low quality weight that is 15 Kg low quality weight.
Let the quantity of good quality wheat to be added be X.

$$\text{So, } 15 = \frac{5}{100} * (150 + X)$$

$$\text{Or, } 300 = 150 + X$$

$$\text{So } X = 150 \text{ Kg}$$

Instructions

Each of the questions consists of a question followed by three statements. You have to study the question followed by three statements and decide which of the statements is/are necessary to answer the questions.

Question 81

What is the area of a hall ?

- A. Material cost of flooring per sq mt. is Rs. 250
- B. Labour cost of flooring the hall Rs. 3, 500
- C. Total cost of flooring the hall is Rs. 14, 500

- A A and B only
- B B and C only
- C All A, B and C
- D Any two of the three
- E None of these

Answer: C

Explanation:

All the statements individually are not sufficient to answer the question since there is no valid information.

Combining all the statements :

Let area of hall be x

$$\Rightarrow 250x + 3,500 = 14,500$$

$$x = 11000/250 = 44 \text{ sq mt.}$$

Thus all the three statements are sufficient.

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Question 82

What was the percentage of discount offered ?

- A. Profit earned by selling the article for Rs. 252 after giving discount was Rs. 52.
- B. Had there been no discount the profit earned would have been Rs. 80.
- C. Had there been no discount the profit earned would have been 40%.

- A A and B only
- B B and either A or C only
- C A and C only
- D A and either B or C only
- E None of these

Answer: D

Explanation:

I : S.P. = 252, Profit = 52

$$\Rightarrow \text{C.P.} = 252 - 52 = 200$$

Since, we cannot find discount and marked price. I alone is not sufficient.

Similarly, II alone & III alone are insufficient.

I & II : After discount, S.P. = 252, Profit = 52

$$\Rightarrow \text{C.P.} = 252 - 52 = 200$$

Without discount (Discount = 0 & M.P. = S.P.), Profit = 80 \Rightarrow M.P. = S.P. = 200 + 80 = 280

Thus, discount = 280 - 252 = 28

$$\text{Discount \%} = \frac{28}{280} * 100 = 10\%$$

Thus, I & II together are sufficient.

I & III : After discount, S.P. = 252, Profit = 52

$$\Rightarrow \text{C.P.} = 252 - 52 = 200$$

Without discount (Discount = 0 & M.P. = S.P.), Profit % = 40%

$$\text{Profit} = \frac{40}{100} * 200 = 80$$

$$\text{M.P.} = \text{S.P.} = 200 + 80 = 280$$

Thus, discount = 280 - 252 = 28

$$\text{Discount \%} = \frac{28}{280} * 100 = 10\%$$

Thus, I & III are sufficient together.

Question 83

What is the speed of the train ?

- A. The train crosses a single pole in 13 sec.
- B. The train crosses a platform of length 250 m in 27 seconds
- C. The train crosses another train running in the same direction in 32 seconds.

- A A and B only

- B A and C only
- C B and C only
- D Any two of the three
- E None of these

Answer: A

Explanation:

Since, the length of the train is not given, statements I, II & III are not sufficient alone.

I & II : Let length of train = y and speed = x

$$\frac{y}{x} = 13 \text{ [From I]}$$

$$y = 13x$$

$$\frac{250+y}{x} = 27 \text{ [From II and using } y=13x\text{]}$$

$$x = \frac{250}{14} = \text{m/s}$$

Thus, I & II together are sufficient.

Question 84

What is the population of State A ?

- A. After an increase in the population of state A by 15% it becomes 1.6 lakhs
- B. Ratio of population of state A to that of state B is 7 : 8.
- C. Population of state B is 1.6 lakhs.

- A A only
- B B and C only
- C A and B only
- D Either only A or B and C together
- E All A, B and C

Answer: D

Explanation:

I : Let population before increase = x lakhs

$$\frac{1.6-x}{x} * 100 = 15$$

$$\Rightarrow x = 1.39 = \sim 1.4 \text{ lakhs}$$

Thus, I is sufficient.

II : Ratio of population of state A to state B = 7:8

Thus, we cannot find population of state A. II is not sufficient alone.

III : Population of B = 1.6 lakhs. Population of A is not given.

Thus, III is not sufficient alone.

II & III : Let population of A = $7x$

$$\text{Population of B} = 8x = 1.6 \text{ lakhs} \Rightarrow x = 0.2 \text{ lakhs}$$

Thus, population of A = $7 \times 0.2 = 1.4$ lakhs.

Thus, II & III together are sufficient.

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Question 85

How many workers are required for completing the construction work in 10 days ?

- A. 20% of the work can be completed by 8 workers in 8 days.
- B. 20 workers can complete the work in 16 days.
- C. One-eighth of the work can be completed by 8 workers in 5 days.

- A A and C only
- B B and C only
- C A only
- D C only
- E Any one of the three

Answer: E

Explanation:

$$\text{NOTE :- } \frac{M_1 \times D_1}{W_1} = \frac{M_2 \times D_2}{W_2}$$

where M-> no. of men

D-> no. of days

W-> no. of days

I : Let n workers are required to finish work in 10 days. Let work is 100 units. 20% of work is 20 units.

$$\frac{8 \times 8}{20} = \frac{10 \times n}{100}$$

$$\Rightarrow n = 32.$$

Thus, I is sufficient.

II : Let work is 100 units.

$$\frac{20 \times 16}{100} = \frac{10 \times n}{100}$$

$$\Rightarrow n = 32$$

Thus, II is sufficient.

III : Let work is 100 units. One eighth of work is 12.5 units.

$$\frac{8 \times 5}{12.5} = \frac{10 \times n}{100}$$

$$\Rightarrow n = 32.$$

Thus, III is sufficient.

Ans - Any one of the three statements is sufficient.

Instructions

For the following questions answer them individually

Question 86

Salaries of A, B and C are in the ratio 2 : 3 : 5. If their salaries were increased by 15%, 10% and 20% respectively, what will be the new ratio of their salaries ?

- A 3: 3: 10
- B 23: 33: 60
- C 10: 11: 20
- D Can't be determined
- E None of these

Answer: B

Explanation:

Let the salaries of A, B and C be 2S, 3S and 5S.

If salary of A is increased by 15%, the salary becomes $2S \times 115\% = 2.3S$

If salary of B is increased by 10%, the salary becomes $3S \times 110\% = 3.3S$

If salary of C is increased by 20%, the salary becomes $5S \times 120\% = 6S$

Hence, the new ratio of their salaries becomes $2.3:3.3:6 = 23:33:60$

Question 87

If $3y + 2x = 47$ and $11x = 7y$ then what is value of $y - x$?

- A 4
- B 6
- C 7
- D 5
- E None of these

Answer: A

Explanation:

This is a system of two equations with two unknowns.

$$\begin{aligned} 3y + 2x &= 47 \text{ and} \\ 11x &= 7y \end{aligned}$$

Multiplying the first equation by 7, we get $21y + 14x = 329$

And, multiplying the second equation by 3, we get $33x = 21y$

$$\text{So, } 21y + 14x = 329 \text{ or } 33x + 14x = 329$$

$$\text{Hence, } 47x = 329$$

$$\text{So, } x = 7 \text{ and } y = 11$$

Therefore, $y - x = 4$ and the correct answer is option (a)

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Question 88

If the digits of a two-digit number are interchanged the newly formed number is more than the original number by 18 and sum of the digits is 8, then what is the original number?

- A 53

- B 26
- C 35
- D Can't be determined
- E None of these

Answer: C

Explanation:

Let the two-digit number be 'xy'

The number after interchanging the digits = yx

Given that $x + y = 8$

And $10y + x = 18 + 10x + y$

$y - x = 2$

On solving both the equations, we get $x = 3, y = 5$

∴ The number is 35.

Question 89

Four of the following five parts numbered A, B, C, D and E are exactly equal. The number of the part which is not equal to the other four is the answer.

- A $136 \times 12 \div 9 \times 3$
- B $11 \times 64 \div 6 \times 3$
- C $36 \times 17 \div 9 \times 8$
- D $56 \times 8 \div 14 \times 17$
- E $76 \times 8 \div 19 \times 17$

Answer: B

Explanation:

In order to determine the answer, let us find the value of each of the options.

$$136 \times 12 \div 9 \times 3 = 136 \times 4 = 544$$

$$11 \times 64 \div 6 \times 3 = 11 \times 32 = 352$$

$$36 \times 17 \div 9 \times 8 = 4 \times 17 \times 8 = 544$$

$$56 \times 8 \div 14 \times 17 = 4 \times 8 \times 17 = 544$$

$$76 \times 8 \div 19 \times 17 = 4 \times 8 \times 17 = 544$$

So, all the options except the second one are equal to 544. Hence, the correct answer is option (b)

Question 90

For which of the following values of x is the inequality $x(x + 3) < 10$ satisfied ?

- A $x > 2, x < -5$
- B $-5 < x < 2$
- C $-2 < x < 5$
- D $x < -2, x > 5$
- E None of these

Answer: B

Explanation:

NOTE :- For an inequality :

case 1 : $(x - a)(x - b) > 0$

$\Rightarrow x < a \text{ \& } x > b$ [if $a < b$]

case 2 : $(x - a)(x - b) < 0$

$\Rightarrow a < x < b$ [if $a < b$]

$x(x + 3) < 10$

$\Rightarrow x^2 + 3x - 10 < 0$

$\Rightarrow x^2 + 5x - 2x - 10 < 0$

$\Rightarrow x(x + 5) - 2(x + 5) < 0$

$\Rightarrow (x + 5)(x - 2) < 0$

$\Rightarrow -5 < x < 2$ [using case 2]

\Rightarrow Ans - (B)

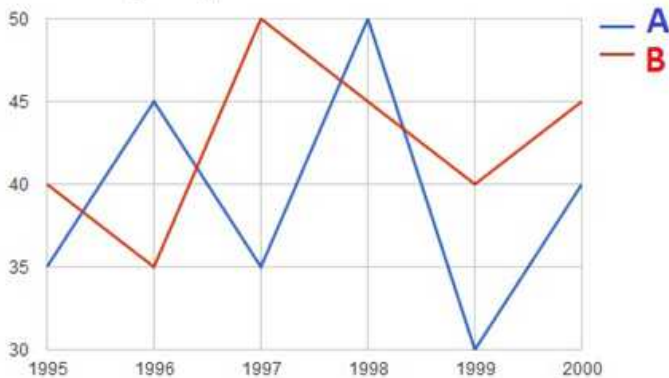
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Instructions

Study the following graph carefully and answer the questions given below it.

Percentage Profit/Loss = $\frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$

Percentage profit earned by two companies A and B over the given years.



Question 91

Expenditures of company B in 1996 and 1997 are Rs. 12 lakhs and Rs. 14.5 lakhs respectively. What was the total income of company B in 1996 and 1997 together (in lakh rupees)?

- A 39.75
- B 37.95
- C 38.75
- D 38.5
- E None of these

Answer: B

Explanation:

Expenditure of company B in 1996 is 12 lakhs

Profit percentage (from the graph) is 35%

Let the income generated be I .

$$\text{So, } \frac{I-12}{12} = \frac{35}{100}$$

$$\text{Or } 20I - 240 = 84$$

$$\text{So, } I = 16.2 \text{ lakhs}$$

Expenditure of company B in 1997 is 14.5 lakhs

Profit percentage (from the graph) is 50%

Let the income generated be I .

$$\text{So, } \frac{I-14.5}{14.5} = \frac{50}{100}$$

$$\text{Or } 2I - 29 = 14.5$$

$$\text{So, } I = 21.75 \text{ lakhs}$$

Hence, the total income from both the years is 37.95 lakhs

Question 92

Ratio of expenditure of companies A and B in 1999 was 3 : 4. What was the ratio of their incomes in 1999 ?

- A 21 : 26
- B 13 : 14
- C 14 : 13
- D 26 : 21
- E None of these

Answer: E

Explanation:

Percentage profit = $100 \times (\text{Income} - \text{Expenditure}) / \text{Expenditure}$

$$\text{So, Income} = E \times (\%P + 1)$$

Thus, the required ratio is $3 \times 1.3 : 4 \times 1.4 = 39 : 56$

Question 93

Total expenditure of company A in all the three years together was Rs. 82.5 lakhs. What was the total income of the company in all the years together ?

- A Rs. 1.23 crores
- B Rs. 98.75 cores
- C Rs. 99.85 crores
- D Can't be determined
- E None of these

Answer: D

Explanation:

We need the expenditure of each year in order to find the income for respective years.

Then we can add them to find the total.

Without the individual break down of expenditure over the years, we can't find the income.

Question 94

If the expenditure of company A and B in 2000 were equal and the total income of the two companies was Rs. 5.7 lakhs, what was the total expenditure of the two companies in 2000 ?

- A Rs. 4 lakhs
- B Rs. 2 lakhs
- C Rs. 4.2 lakhs
- D Can't be determined
- E None of these

Answer: A

Explanation:

Let e be the expenditure of each of the companies in 2000. If I is the income of A, then income of B = 5.7 - I

So, $40\% = (I - e)/e$

$45\% = (5.7 - I - e)/e$

$\Rightarrow e = 2$

Total expenditure of both the companies = $2 + 2 = 4$ lakhs.

Question 95

If the income of company B in 1997 and 1998 were in the ratio of 2 : 3, what was the ratio of the expenditure of the company in these two years ?

- A 20 : 29
- B 9 : 10
- C 29 : 45
- D 10 : 29
- E None of these

Answer: C

Explanation:

Percentage profit = $100 * (\text{Income} - \text{Expenditure}) / \text{Expenditure}$

So, $\text{Income} = E * (\%P + 1)$

$E = \text{Income} / (\%P + 1)$

Thus, the required ratio is $2 * (100/150) : 3 * (100/145) = 29 : 45$

Instructions

Study the following table to answer these questions.

Percentage of marks obtained by 7 students in 6 subjects (maximum marks for each subject is shown in brackets)

Subject	History	Geo.	Math	Sc.	Eng.	Hindi
Student	[75]	[60]	[80]	[50]	[40]	[40]
P	86	82	95	78	66	84
Q	92	78	85	89	72	76
R	76	94	89	75	62	69
T	67	74	74	84	85	82
M	74	86	64	80	78	72
L	88	89	76	88	70	64
N	90	96	86	92	65	66

Question 96

Approximately what is the overall percentage of marks obtained by the T in all the subjects ?

- A 79
- B 82
- C 86
- D 72
- E 76

Answer: E

Explanation:

Total score by T in all the subjects = $.67 * 75 + .74 * 60 + .74 * 80 + .84 * 50 + .85 * 40 + .82 * 40 = 262.65$

Total score possible = sum of maximum scores in all the subjects = $75 + 60 + 80 + 50 + 40 + 40 = 345$

Overall percentage = $\frac{262.65}{345} * 100 = 76.13\%$

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Question 97

What is the overall percentage marks obtained by M in all the subjects (rounded off to two digits after decimal)?

- A 82.75
- B 84.76
- C 76.84
- D 74.87
- E None of these

Answer: D

Explanation:

Total score by M in all the subjects = $.74 * 75 + .86 * 60 + .64 * 80 + .80 * 50 + .78 * 40 + .72 * 40 = 258.30$

Total score possible = sum of maximum scores in all the subjects = $75 + 60 + 80 + 50 + 40 + 40 = 345$

Overall percentage = $\frac{258.30}{345} * 100 = 74.87\%$

Question 98

What is the approximate average marks obtained by all the students in Geography?

- A 51.34
- B 85.57
- C 52.36
- D 76.27
- E 65.49

Answer: A

Explanation:

Average of the percentage obtained by the students in Geography = $(82 + 78 + 94 + 74 + 86 + 89 + 96)/7 = 85.57\%$

So, the average marks in Geography = $60 * .8557 = 51.34$

Question 99

What is the total marks obtained by L in History, Geography and Mathematics ?

- A 221.8
- B 253
- C 180.2
- D 184
- E None of these

Answer: C

Explanation:

Total marks by L in History, Geography and Mathematics = $.88 * 75 + .89 * 60 + .76 * 80 = 180.20$

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Question 100

What is the approx. average percentage of marks obtained by all the students in Maths ?

- A 81.92
- B 81.29
- C 65.03
- D 76.23
- E 85.28

Answer: B

Explanation:

The average percentage in Mathematics = $(95 + 85 + 89 + 74 + 64 + 76 + 86)/7 = 81.29\%$

Instructions

Study the following table carefully and answer the questions given below it.

Number of candidates appeared and qualified in a competitive examination from different states over the years.

Year-->	1995		1996		1997		1998		1999	
State	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.	App.	Qual.
A	15250	1800	17800	1750	14500	1350	15400	1640	16300	1725
B	12500	1100	15400	1480	13800	1420	14000	1525	14550	1500
C	14000	1550	16200	1640	15500	1480	17500	1880	15800	1620
D	17600	1640	16500	1560	14800	1575	15600	1480	17200	1750
E	16400	1480	14700	1820	17000	1600	16400	1500	18000	1950
F	14500	1250	16800	1780	17200	1780	15200	1450	16800	1775
G	15000	1400	15200	1650	16400	1840	17200	1820	17000	1850
Total	107250	10220	112600	11680	109200	11045	111300	11295	115650	12170

Question 101

What is the percentage of candidates qualified in 1998 and 1999 together from all the states w.r.t. the candidates appeared from all the states in these two years (the value upto two decimal points)?

- A 10.84

- B 10.32
- C 10.62
- D 10.34
- E None

Answer: D

Explanation:

Total number of candidates appearing from 1998 and 1999 is $111300 + 115650 = 226950$

Total number of candidates qualified from 1998 and 1999 is $11295 + 12170 = 23465$

So, the percentage = $\frac{23465}{226950} * 100 = 10.34\%$

Question 102

For which of the following states the percentage of candidate qualified w.r.t. those appeared is the lowest in the year 1995 ?

- A A
- B F
- C B
- D D
- E None of these

Answer: B

Explanation:

For F, the required percentage is $100 * \frac{1250}{14500} = 8.62\%$

This is the lowest percentage in the list of states for 1995.

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Question 103

What approximately is the percentage of candidates qualified from states C and D together w.r.t. the candidates appeared from these two states in 1997 ?

- A 10
- B 12.5
- C 15
- D 20
- E 9.5

Answer: A

Explanation:

Total students qualified from C and D = $1480 + 1575 = 3055$

Total students appearing from C and D = $15500 + 14800 = 30300$

So, the ratio = $\frac{3055}{30300} = 10.08\%$

Question 104

What approximately is the average number of candidates qualified in 1998 from the given states ?

- A 1630
- B 1516
- C 1615
- D 1545
- E 1645

Answer: C

Explanation:

Average = Total qualified in 1998/ Number of states = $11295/7 = 1615$

Question 105

What is the average number of candidates appeared from state B in the given years ?

- A 15850
- B 14550
- C 15050
- D 15040
- E None of these

Answer: E

Explanation:

Average from state B = Total appeared from state B/ Number of years. = $(12500 + 15400 + 13800 + 14000 + 14550)/5 = 14050$

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Instructions

In each of the questions a pair of equations is given. You have to find out the values of x and y and give answer.

Question 106

I. $2x^2 - 7x + 6 = 0$

II. $4y^2 = 9$

- A if $x < y$
- B if $x \leq y$
- C if $x = y$
- D if $x > y$
- E if $x \geq y$

Answer: E

Explanation:

I. $2x^2 - 7x + 6 = 0$ II. $4y^2 = 9$

1 implies $2x^2 - 4x - 3x + 6 = 0$

So, $(2x - 3)(x - 2) = 0$

ie $x = 3/2$ or $x = 2$

2 implies $y = \pm 2^3$

So, $x \geq y$

Question 107

I. $4x^2 - 4x - 3 = 0$ II. $4y^2 + 12y + 5 = 0$

A if $x < y$

B if $x \leq y$

C if $x = y$

D if $x > y$

E if $x \geq y$

Answer: E

Explanation:

I. $4x^2 - 4x - 3 = 0$

implies $4x^2 - 6x + 2x - 3 = 0$

$(2x + 1)(2x - 3) = 0$

So, $x = -1/2$ or $3/2$

II. $4y^2 + 12y + 5 = 0$

implies $4y^2 + 10y + 2y + 5 = 0$

$(2y + 1)(2y + 5) = 0$

$y = -1/2$ or $-5/2$

So, $x \geq y$

Question 108

I. $4x^2 = 49$ II. $9y^2 - 66y + 121 = 0$

A if $x < y$

B if $x \leq y$

C if $x = y$

D if $x > y$

E if $x \geq y$

Answer: A

Explanation:

$4x^2 = 49$

$x = \frac{7}{2}, -\frac{7}{2}$

$9y^2 - 66y + 121 = 0$

$(3y - 11)^2 = 0$

$y = \frac{11}{3}$

$x < y$

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Question 109

I. $x^2 + 9x + 14 = 0$ II. $y^2 + y - 2 = 0$

A if $x < y$

B if $x \leq y$

C if $x = y$

D if $x > y$

E if $x \geq y$

Answer: B

Explanation:

$$x^2 + 9x + 14 = 0$$

$$(x + 2)(x + 7) = 0$$

$$x = -2, -7$$

$$y^2 + y - 2 = 0$$

$$(y - 1)(y + 2) = 0$$

$$y = -2, 1$$

$$x \leq y$$

Question 110

I. $9x^2 - 18x + 5 = 0$ II. $2y^2 - 9y + 10 = 0$

A $x < y$

B $x \leq y$

C $x = y$

D $x > y$

E $x \geq y$

Answer: A

Explanation:

$$9x^2 - 18x + 5 = 0$$

$$(3x - 5)(3x - 1) = 0$$

$$x = \frac{5}{3}, \frac{1}{3}$$

$$2y^2 - 9y + 10 = 0$$

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

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

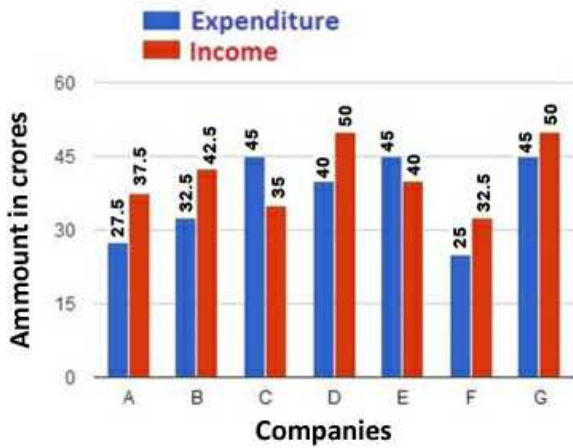
$$x < y$$

Instructions

Study the following graph carefully and give answers.

$$\text{Percentage Profit/Loss} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

Account of income and expenditure (in crores) of seven companies in the Year 2000.



Question 111

Approximately what is the percentage of profit/ loss to companies C and D had together ?

- A 10% profit
- B 12% profit
- C 10% loss
- D 12% loss
- E There was no loss or profit

Answer: E

Explanation:

Total income = Total expenditure = 85 crores.

So, profit = 0

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Question 112

If the income of company A increased by 10% in year 2000 from year 1999 and profit earned in 1999 was 20 what was its expenditure in 1999? (The value upto decimal places in crores)

- A 36.36
- B 32.32
- C 30.30
- D Can't be determined
- E None of these

Answer: E

Explanation:

Let the expenditure in 1999 be e

So profit = income - expenditure

20 = Income - e

Income in 2000 is 37.5

So, income in 1999 = $37.5 / 1.1$ (10% growth from 1999) = 34.09

So, $34.09 - 20 = 14.09$

Question 113

If the expenditure of company G in 2000 was 20% more than its expenditure in the year 1999 and the company earned a profit of 10% in 1999, what was the company income in 1999 (in crore Rs.) ?

- A 37.5
- B 41.25
- C 34.09
- D Can't be determined
- E None of these

Answer: B

Explanation:

Expenditure of G in 2000 = 45

It is 20% more than 1999.

So, expenditure in 1999 = $45 / 1.2 = 37.5$

%profit = $100 * (I - e) / e$

$10\% = (I - 37.5) / 37.5$

So, $I = 41.25$

Question 114

Which of the following companies had the highest percentage of profit/loss in 2000?

- A B
- B C
- C F
- D A
- E None of these

Answer: D

Explanation:

We use the given formula % profit = $100 * (I - E) / E$

and substitute all the values in that formula.

% profit for A = $100 * (37.5 - 27.5) / 27.5 = 36.36\%$

after substituting for all the companies, we can observe that the highest % profit is for A

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Question 115

What is the approximate percentage of profit earned all the companies together in 2000 ?

- A 11

- B 11.5
- C 10.5
- D 12
- E 12.5

Answer: C

Explanation:

The total income of all the companies = 37.5 + 42.5 + 35 + 50 + 40 + 32.5 + 50 = 287.5

Total expenditure = 27.5 + 32.5 + 45 + 40 + 45 + 25 + 45 = 260

$$\% \text{ profit} = \frac{287.5 - 260}{260} * 100 = 10.58\%$$

Verbal

Instructions

In each of these questions, a sentence with two words/group of words in ital is given. One of them or both may have certain error; You have to find out the correct word or group of words from among the three choices (A), (B) and (C) given which can replace the wrong word group of words to make the sentence as it is, mark (E).i.e., NCR(No Correction Required) as your answer.

Question 116

Our firm determination *'had* due impact on them and they *will be changed* their decision.

- A. having have changed
- B. emphasised... will be changed
- C. had ... changed

- A Only A
- B Only B
- C Only C
- D either (A) or (C)
- E NCR

Answer: C

Explanation:

For the first blank 'having' is grammatically incorrect and using emphasized does not make the sentence meaningful. Option C fits the blanks suitably and is the correct choice.

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Question 117

Deep breathing exercises are found to be of extreme helpful to patients suffering from high blood pressure.

- A. Deeply breathing ... extremely helpful
- B. Deep breathing ... of extreme help
- C. Deep breathing ... extremely helpful

- A Only A
- B Only B
- C Only C

D either (B) or (C)

E NCR 2

Answer: D

Explanation:

Deeply modifies breathing that distorts the meaning of the sentence. Deep breathing is correct. Extremely helpful and of extreme help are both correct. The right answer is D.

Question 118

By the time they reach the station, the train had been departed.

A. reached ... bus

B. reach ... had

C. reached ... had

A Only A

B Only B

C Only C

D either (A) or (B)

E NCR

Answer: C

Explanation:

Dependent clauses are always supposed to be consistent with each other. Hence, if main verb is past the supporting verb should also be of past form.

Question 119

These days, customers have been receiving better services from bank employees.

A. received... by

B. been received... from

C. received...from

A Only A

B ONLY B

C Only C

D either (A) or (C)

E NCR

Answer: E

Explanation:

Original version is correct. E is the answer.

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Question 120

It was heartening news that you narrowly escaped being run over by a speeding car yesterday.

A. narrowed... run over

B. narrowly... run across

C. narrowed down... running over

- A Only A
- B Only B
- C Only C
- D None of these
- E NCR

Answer: E

Explanation:

Original version is correct. Narrowly is an adverb that correctly modifies the verb escape. To run over means to get hit by a vehicle.

Question 121

*What matters most is the quality of the product and **only not merely** the cost, appearance or size.*

- A. What... not merely
- B. It.... not only
- C. All that.... only not mere

- A Only A
- B Only B
- C Only C
- D None of these
- E NCR

Answer: A

Explanation:

not only merely is incorrect. It should be either not only or not merely. A is correct. In option B, It matters the most is awkward and hence incorrect.

Question 122

Your investment advisor *should be concerned* about the security of and high returns *on* your investment, rather than his benefit.

- A. should be concern... for
- B. should have concern... with
- C. should be having concern... over

- A Only A
- B Only B
- C Only C
- D either (A) or (B)
- E NCR

Answer: E

Explanation:

The original version is correct. Returns on your investment is the right phrase. Should be concern has tense inconsistency.

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Question 123

People who are insensitive and *indifferences* to the *agonies* of the poor cannot serve the society.

- A. indifference.... sufferings
- B. indifferent... sufferings
- C. indifferent... agonies

- A Only A
- B Only B
- C Only C
- D either (B) or (C)
- E NCR

Answer: D

Explanation:

Indifferent and insensitive are parallel to each other. Hence, the sentence has a pseudo parallelism error. Both suffering and agonies are correct in this context. Both B&C; are correct. Answer is D.

Question 124

Getting carry away by slightest provocation is a sign of immaturity.

- A. Getting carried away... immaturity
- B. Get carry away.... immature
- C. Get carried away... maturity

- A Only A
- B Only B
- C Only C
- D None of these
- E NCR

Answer: A

Explanation:

Immature is an adjective whereas the sentence requires a noun. Both immaturity and maturity are correct in this context. However, getting carried away is the gerund that is required in this sentence because the verb *is* needs a subject. Answer is A.

Question 125

Our employees are *so careful* in their work that none *has been so far found* any error in their work.

- A. very careful... have so far found
- B. so careful.... has so far around
- C. so efficient... have so far found

- A Only A
- B Only B
- C Only C
- D either (B) or (C)
- E NCR

Answer: B

Explanation:

So careful and so efficient are both correct in this context. In the original sentence, present participle tense is used which is incorrect. None is singular and hence requires **has**. Answer B is correct.

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Instructions

In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word that fits the blank.

In these days of economic liberalisation, globalisation, etc., materialistic values have assumed(61)...importance. Money physical comforts and luxuries are most sought after aspects. There has been ...(62)... competition. Such competition ...(63)... under stress. The stress leads to ...(64)... of health of the people. Indian culture has ...(65)... its striking uniqueness, as against the Western culture, in the fact that there is a(66)... place for spirituality is a very(67)... forced which helps is in maintaining our physical and mental health. It gives us ...(68)... to cope with the stress. Westerners have now ...(69)... the importance of spirituality and therefore, they have started... (70)... us in the matter of spirituality.

Question 126

61

- A usual
- B little
- C tangible
- D least
- E greater

Answer: E

Explanation:

From the second sentence we can see that the importance of materialistic values have increased. Thus greater is the most apt word here.

Question 127

62

- A critical
- B unhealthy
- C unequalled
- D no
- E absolute

Answer: B

Explanation:

From the subsequent lines in the paragraph we can see that competition has had a negative impact overall. So this kind of competition can be described as unhealthy. Thus, option B is the right choice.

Question 128

63

- A releases

- B deserves
- C generates
- D demonstrates
- E suppresses

Answer: C

Explanation:

Unhealthy competition would lead to stress. Thus generates is the most suitable word.

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Question 129

64

- A neglect
- B illness
- C generation
- D deterioration
- E encroachment

Answer: D

Explanation:

Increased stress would lead to worsening of our health. Deterioration is thus appropriate for the blank

Question 130

65

- A maintained
- B illustrated
- C marginalised
- D bestowed
- E forsaken

Answer: A

Explanation:

Maintained is the most apt word for the given blank.

Question 131

66

- A vast
- B brief
- C formal

- D clean
- E distinct

Answer: E

Explanation:

The sentence can be understood as Indian culture is contrast to western culture and has a different place for spirituality. Distinct is a synonym for different and fits into the context well. Although vast seems grammatically correct it doesnt fit into the meaning of the given context. Hence, E

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Question 132

67

- A dormant
- B dedicated
- C vital
- D common
- E dynamic

Answer: C

Explanation:

From the paragraph we can see that spirituality is very important in maintaining our physical and mental health. Thus vital is the most apt word here.

Question 133

68

- A strength
- B tips
- C clearance
- D sermons
- E ideals

Answer: A

Explanation:

From the paragraph we can see that the positive effects of spirituality would give us the power to reduce our stress. Thus 'strength' would fit the blank aptly.

Question 134

69

- A informed
- B narrated
- C intensified

D realised

E invented

Answer: D

Explanation:

From the para we can see that Westerners have recognized the importance of spirituality in alleviating stress. Option D is proper for the blank given.

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Question 135

70

A encouraging

B imitating

C blaming

D preaching

E assuming

Answer: B

Explanation:

The Westerners having understood the importance of spirituality would have tried to emulate it. Thus imitating is the suitable word here.

Instructions

Read the following passage carefully to answer these questions. Certain words/phrases are printed in bold to help you to locate them while answering some of the questions.

India's nuclear ambition had been the bone of contention for a very long time. It was a "**settled**" belief in our country that the US began to "**stress**" the issue of signing the CTBT only in more recent round of talks when the two countries had come close to an "**agreement**" on the other issues, including CTBT because it is part of its somewhat browbeating style of doing business. But a moment's reflection would show that there could be another explanation. In the **aftermath** of Pokhran-II when tempers had cooled, the US was "**predisposed**" to accept our Prime Minister's repeated assertions that India intended to arm it with nuclear weapons only as a deterrent to a nuclear attack or blackmail.

Question 136

Which of the following statements is false in the context of the passage ?

A. Only because of Pokhran-II the US had accepted Indian Prime Minister's assertion about India's nuclear policy.

B. The round of talks were being held by at least three countries, the US being the mediator.

C. Indian Prime Minister has assured the world that it would not initiate attack on any nation.

A Only (A) and (C)

B Only (A) and (B)

C Only (B) and (C)

D All the three

E None of these

Answer: D

Explanation:

A is false as the passage clearly states that Us had accepted the Pm's assertion only to get the CTBT signed(refer to 4th line).B is false as Us never acted as a mediator. C is false as the passage never mentioned that Pm assured the world (he assured only the Us) .Meanwhile, The passage only mentions that India is using Nuclear weapons to protect itself but is not sure whether it is going to attack or not.Hence.D all the three are incorrect.

Question 137

The real intention of the US in bringing the nuclear issue to the fore is most probably

- A to suppress India's nuclear ambition
- B to incur the goodwill of India's enemy
- C to deter India from going nuclear in a big way
- D to use it as a negotiation tactic
- E to underplay the other more important issues

Answer: D

Explanation:

Refer to 3rd line,Brow beating style of doing business means to use tactics for getting benefited.As the passage suggested,Us is keen on bringing forward the nuclear issue in order to get the CTBT signed.Hence,D

Question 138

The author of the passage thinks that India's planning for nuclear rearmament is

- A going to receive a lot of acclaim
- B appreciated by other countries with few reservations
- C a matter that irritated most other countries
- D not considered as a deterrent policy by the enemies
- E None of these

Answer: E

Explanation:

The author never discussed his personal opinion on nuclear rearmament(but only states that it's a matter of contention).Hence None of the options E is correct.

Question 139

Which of the following conclusions can be drawn from the contents of the passage ?

- A. India's possessing nuclear arsenals has frightened some countries
- B. India is not reluctant to sign the CTBT
- C. The US wants India to sign the CTBT

- A Only (A) and (B)
- B Only (B) and (C)
- C Only (A) and (C)
- D All the three
- E None of these

Answer: C

Explanation:

Refer to 1st and 4th lines of the passage. Those state that India's nuclear ambition has irked the fellow countries. C is the main point of the passage. Hence, C is correct

Question 140

Which of the following inferences can be drawn from the content of the passage?

- A Most of the issues discussed between India and the US have reached consensus
- B India will not use nuclear weapons in any situation
- C India will use nuclear weapons to blackmail the enemies
- D Before Pokhran-II, tempers of the other countries had not been cooled down
- E None of these

Answer: A

Explanation:

Refer to the 2nd line of the passage. It states that the two countries have come to an agreement on other issues from which it can be inferred that most of the issues have reached consensus. Hence, A.

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Question 141

Choose the word which is most nearly the same in meaning as the word given in bold as used in the passage.

PREDISPOSED

- A reluctant
- B unprepared
- C ready
- D hesitant
- E interested

Answer: C

Explanation:

Predisposed means premeditated or already prepared. Reluctant means unwilling or hesitant. Unprepared is not ready. Interested means having a likeness towards doing something. Hence, C is correct.

Question 142

Choose the word which is most nearly the same in meaning as the word given in bold as used in the passage.

STRESS

- A devastation
- B disharmony
- C pressurise
- D suppress
- E implement

Answer: C

Explanation:

Stress means pointing on something forcefully as used in the passage. Hence, C is correct. Disharmony means peacelessness. Suppress is to let someone get down on something. Implement means to proceed with

Question 143

Choose the word which is most nearly the same in meaning as the word given in bold as used in the passage.

AFTERMATH

- A devastation
- B disharmony
- C posterity
- D consequences
- E contemporary

Answer: D

Explanation:

Devastation means disaster. Disharmony means peacelessness. Posterity means future generations. Contemporary means peer. Between posterity and consequences, consequences perfectly fits into the passage. Hence, D

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Question 144

Choose the word which is most opposite in meaning of the word given in bold as used in the passage.

AGREEMENT

- A dissension
- B harmony
- C refusal
- D misunderstandings
- E differential

Answer: A

Explanation:

Agreement means a legal arrangement between two parties as used in the passage. Harmony also means the same. Refusal means denial but it cannot be used in the context as we never use two parties showed their refusal over the issue. but we use two parties showed their dissension over the issue. Hence, A

Question 145

Choose the word which is most opposite in meaning of the word given in bold as used in the passage.

SETTLED

- A dislocated
- B unprecedented
- C irrelevant

- D stabilised
- E unfounded

Answer: E

Instructions

In each of these questions, two sentences are given. These two sentences are to be combined into a single sentence without changing their meaning. Three probable starters of the combined sentence are given as (A), (B) and (C). ANY one or more of none of them may be correct. Find out the correct starter(S) and accordingly select your answer among the given five answer choices.

Question 146

It is very cold here. You must carry warm clothes with you.

- A. Since you must...
- B. As it is very...
- C. If it is very...

- A Only A
- B Only B
- C Only C
- D (A) and (C) Only
- E (B) and (C) Only

Answer: B

Explanation:

Any of the connectors , as , since, can be used here The sentence can be connected as follows as it is very cold here,you must carry wam clothes.though as can be replaced with since, the following phrases are incorrect.

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Question 147

You must sign your railway pass, write your name and age on it. According to the railway authorities, it becomes valid only after that.

- A. To make your railway pass valid, the railway authorities should...
- B. Without validating your railway pass, you cannot sign...
- C. To validate your railway pass, you must...

- A Only A
- B Only B
- C Only C
- D (A) and (B)
- E (A) and (C)

Answer: C

Explanation:

In option A, subject is railway authorities which is incorrect. B nonsensically implies that you cannot sign on your pass until its validated while its the other way around. C is correct.

Question 148

The doctor says that Ramesh has lost his immunity. Therefore, he is vulnerable to any disease.

- A. Ramesh's loss of immunity
- B. Because of his vulnerability to his...
- C. His vulnerability to any disease...

- A Only A
- B Only B
- C Only C
- D Only (A) and (C)
- E (A) and (B) Only

Answer: D

Explanation:

In B, the second to his leaves the sentence hanging and awkward. A can be completed as 'Ramesh's loss of immunity has made him vulnerable to any disease'. B can be completed as 'His vulnerability to any disease is caused by Ramesh's loss of immunity'. D is right.

Question 149

How much you speak is less important. What is more important is how relevant you speak is....

- A. How relevant you speak is
- B. How much you speak is as important...
- C. How relevant you speak is not as important...

- A Only A
- B Only B
- C Only C
- D All of three
- E None of these

Answer: A

Explanation:

A can be completed as 'How relevant you speak is more important than how much you speak' which is consistent with the original sentence. B and C can't be completed in a way that reflects the same meaning as the original sentence. A is the correct answer.

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Question 150

You must submit a copy of your ration card. Only then your application for telephone connection will be considered.

- A. Unless you submit...
- B. Unless your application for...
- C. Without your application for...

- A Only A
- B Only B
- C Only C
- D Only (A) and (B)

E None of these

Answer: A

Explanation:

Only A is consistent with the given statements. B and C are inconsistent with the original version and hence incorrect. A is correct.

Question 151

You need two tickets ? Please stand in the queue.

A. If you need...

B. In case you need

C. Should you need

A Only (A) and (B)

B Only (B) and (C)

C Only (A) and (C)

D All the three

E None of these

Answer: A

Explanation:

If and in case both are used for representing conditional clauses involving cause effect relationship or assumptions. Should cannot be used in the given context. Option A is correct.

Question 152

The quality of the fabric was not impressive. We changed our plan of purchasing.

A. The quality of the fabric being...

B. We changed our...

C. In spite of the unimpressive

A Only (A) and (B)

B Only (B) and (C)

C Only (C)

D Only (A)

E All the three

Answer: A

Explanation:

A can be completed as 'The quality of the fabric being unimpressive made us change our plans of purchasing it.' ; B can be completed as 'We changed our plan of purchasing that fabric because its quality wasn't impressive' which are both consistent with the original meaning. Both A and B are correct. Thus A is the correct answer.

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Question 153

Madhuri has been consistent in her studies. Her performance in the examination was nothing else but excellent.

A. Despite being consistent in her studies...

B. Madhuri's performance in the examination was not excellent, because...

C. Because Madhuri was only consistent and not intelligent, her performance...

- A Only (A)
- B Only (B) and (C)
- C Only (A) and (C)
- D All the three
- E None of these

Answer: E

Explanation:

None of the sentences can be completed in such a way that is consistent with the original meaning of the sentence. The answer is E.

Question 154

Don't add is much chilly powder to the soup. Consumers are only small children.

- A. Because small children do not allow chilly powder...
- B. Since small children do not consume more soup...
- C. Adding more chilly powder to soup makes the small children like the....

- A None
- B Only (A)
- C Only (B)
- D Only (C)
- E (A) and (C) Only

Answer: A

Explanation:

None of the sentences can be completed in a way that is consistent with the original meaning of the sentence. A is the correct answer.

Question 155

He always delays in taking any action. It makes others suffer a lot.

- A. His taking action on time makes...
- B. Others suffer a lot because of...
- C. On account of his procrastination...

- A (A), (B) and (C)
- B (A) and (B) Only
- C (B) and (C) Only
- D (A) and (C) Only
- E None of these

Answer: C

Explanation:

We can complete the sentence by using B as **others suffer a lot because of his delays in action**. We can complete using C as on account of his procrastination, others suffer a lot. Procrastination means prolonging . A doesnt make sense because if he does on time, others wont suffer, Hence, B, C both are correct.

Instructions

In each of these questions, there are three statements given as (A), (B) and (C). Find out which two or three sentences convey the same meaning. If all the three sentences are different, mark (E) as the answer, i.e., 'all different'.

Question 156

- A. The manager would like you to help him locate the fault.
- B. If you help him locate the fault, the Manager would like you.
- C. The Manager desires that you should provide him the necessary assistance to locate the fault.

- A (A) and (B)
- B (B) and (C)
- C (A) and (C)
- D All the three
- E None of these

Answer: C

Explanation:

The sentence should mean that the manager needs our help. A says that manager likes or help. C states that the manager desires our help. But B can be eliminated as it means that manager likes us only if we helped him.

Question 157

- A. Although the strike of transporters continues, I shall come
- B. I shall come if the strike of transporters continues.
- C. Even though I come the strike of transporters is going to continue.

- A (A) and (B)
- B (B) and (C)
- C (A) and (C)
- D All the three
- E None of these

Answer: E

Explanation:

Sentence A implies that the strike is going to continue, still the author will come. B states that the author will only come if the strike continues. C states that the strike is going to continue regardless of whether the author is going to come or not. All convey different messages. Answer is E.

Question 158

- A. Unlike the tribals who are hard-working the urban communities cannot withstand physical strain.
- B. The tribals can withstand physical strain whereas urban communities cannot.
- C. Because the tribals are hard-working they can tolerate physical strain.

- A (A) and (B)
- B (B) and (C)
- C (A) and (C)
- D All the three

E None of these

Answer: E

Explanation:

A conveys that the tribals who are hardworking people can withstand physical strain whereas people from urban communities cannot. B states that tribals can withstand physical strain but people from urban communities cannot. However, B misses the point stating that the tribals are hardworking people. C states that tribals can withstand physical strain because they are hardworking people. All convey different meaning. E is the answer.

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Question 159

- A. Should you need a visa you must submit an application along with your Passport and a copy of income tax returns.**
B. Unless you do not submit an application along with your passport and "copy of income tax returns, you will not get visa".
C. If you submit your application along with your passport along with your passport and a copy of income tax returns you do not need visa.

- A (A) and (B)
B (B) and (C)
C (A) and (C)
D All the three
E None of these

Answer: E

Explanation:

A is structurally incorrect. It should have if in place of should to satisfy conditional clause requirements. Options A ,C,D are eliminated. Though B is structurally correct, it is not similar to C. Also C has logical misflow stating that After the submission of application, he doesnt need visa hence none is correct

Question 160

- A. The judge remarked that not at all the accused were really guilty.**
B. The judge remarked that some of the accused were guilty while others were not.
C. The judge remarked that all those who are accused include some who are not really guilty.

- A (A) and (B)
B (B) and (C)
C (A) and (C)
D All the three
E None of these

Answer: D

Explanation:

All of the three sentences convey the meaning that of all the accused people, some people are guilty and some are not. D is the answer.

Instructions

In each of these questions a set of 3 or 4 sentences which convey an idea is given. Of these, one or two is/are suppressed. To fill up the spaces of the suppressed sentence(s) two possible fillers as (A) and (B) are given. Find out which one, two or none can fill up the space of the suppressed sentence(s) to make the paragraph meaningful and mark your answer accordingly.

Caution : While making your answer please also consider the sequence of the sentences if both the sentence are required to fill up the spaces.

Question 161

As far as aircraft maintenance procedure are concerned, they are rigorous. (.....). Such cases may end-up in disastrous results, though exceptionally.

- A. All problems are immediately corrected on almost every occasion.
- B. Only due to urgency or want of aircraft for substitution, certain ones are overlooked.

- A (A) and (B)
- B (B) and (A)
- C only A
- D only B
- E None of these

Answer: A

Question 162

The interrogation lasted for about nine full working days. (.....). The judge observed that he was impressed with the outcome as the involvement of the accused in the crime was crystal clear.

- A. Hardly anything worth the name came out of such a marathon interrogation.
- B. The prosecution lawyer, though in vain, had relentlessly applied all his wit to expose the accused.

- A (A) and (B)
- B (B) and (A)
- C only A
- D only B
- E None of these

Answer: E

Question 163

Auto riding is a very fascinating hobby. (.....). It is obvious that they consider the hobby more important than anything else.

- A. Low or even middle income group people can't afford it.
- B. I know many people who had missed many important cases or opportunities for participating in auto riding.

- A (A) and (B)
- B (B) and (A)
- C only A
- D only B
- E None of these

Answer: D

Question 164

There is no doubt that we must fair and honest in all our dealings. (.....). What you really are is less important than what you are perceived by people around you.

- A. It means that perception assumes greater importance than reality.
- B. But even more important is how you are perceived by others.

- A (A) and (B)
- B (B) and (A)
- C only A
- D only B
- E None of these

Answer: B

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Question 165

The admiration of those who fight against corruption in high places has always been very spontaneous amongst the common people in India. (.....). They unhesitantly appreciate such acts but are afraid of openly doing so for fear of the higher tops.

A. They hold such people in high esteem who make sacrifices on principles and moral issues.

- A (A) and (B)
- B (B) and (A)
- C only A
- D only B
- E None of these

Answer: C

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General Awareness

Instructions

For the following questions answer them individually

Question 166

The GDP growth for the Ninth Plan period stood at which of the following levels ?

- A 5%
- B 5.4%
- C 6%
- D 6.33%
- E 7%

Answer: B

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Question 167

After disinvestments of the Indian Petrochemicals Corporation, the 26% stake in the company will be of

- A Tata
- B Reliance
- C Aditya Birla Group
- D Manila
- E None of these

Answer: B

Question 168

The Earth Summit in September 2002 will be organised at

- A Johannesburg
- B Durban
- C Sun City
- D Manila
- E None of these

Answer: A

Question 169

According to the survey conducted by the Economic Times, which of the following is the cheapest city to live in ?

- A Kolkata
- B Patna
- C Chennai
- D New Delhi
- E Hyderabad

Answer: E

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Question 170

Which of the following countries became the first country to adopt Euthanasia (mercy killing for those suffering from incurable diseases) ?

- A USA
- B Britain
- C The Netherlands

- D Australia
- E None of these

Answer: C

Question 171

Why was Mr. V. Nambiar recently in news ?

- A He is the new President of India
- B He will be the new Vice- President of India
- C He will be our permanent representative in UNO
- D He is the chairperson of the new Finance Commission
- E None of these

Answer: C

Question 172

A special financial package of Rs. 6165 crore was announced by the Prime Minister to help

- A Gujarat
- B Punjab
- C Andhra Pradesh
- D Jammu & Kashmir
- E Manipur

Answer: D

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Question 173

FICCI has recently opened its overseas office in

- A China
- B Bangladesh
- C France
- D Germany
- E Singapore

Answer: A

Question 174

The Videsh Sanchar Nigam Ltd. is now owned by which of the following industrial houses ?

- A Birla Group of Industries

- B Hindustan Liver
- C Reliance
- D Tata Group of Industries
- E None of these

Answer: D

Question 175

Which of the following is the first transgenic or genetically engineered crop in India ?

- A Bt-cotton
- B C-40 potato
- C Alphonso mangoes
- D T-26 Tea
- E None of these

Answer: A

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Question 176

Koneru Humpy is associated with which of the following areas ?

- A Politics
- B Games and Sports
- C Music
- D Science and Technology
- E None of these

Answer: B

Question 177

India is helping which of the following Asian countries in setting up Software Tech Parks ?

- A Bangladesh
- B Bhutan
- C China
- D Myanmar
- E None of these

Answer: C

Question 178

In terms of the percentage, what is the total of the National Highways in the entire network of roads in India ?

- A 5%
- B 2%
- C 17%
- D 24%
- E 33%

Answer: B

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Question 179

The population of which of the following countries, is reducing very fast and may get reduced to half of present by 2050 ?

- A China
- B England
- C Israel
- D Russia
- E None of these

Answer: D

Question 180

The 2nd SAARC Gold Cup Championship was won by which of the following teams?

- A Pakistan
- B Nepal
- C Bangladesh
- D India
- E Bhutan

Answer: D

Question 181

What was India's foodgrain export during 2001-02 (approx. in lakh tons) ?

- A 76
- B 80
- C 85
- D 90
- E 96

Answer: A

Question 182

The International Day for Elimination of Racial Discrimination is observed on

- A March 21
- B April 21
- C May 21
- D June 21
- E August 21

Answer: A

Question 183

Which of the following is not true about the two-day All India Conference of Heads of Panchayats held recently ?

- A. The Conference was held in Bhubaneswar in April 2002
- B. The Sarpanchs of the Panchayat are now equivalent to the Members of the Parliament
- C. The Conference was inaugurated by the Prime Minister Vajpayee

- A Only A
- B Only B
- C Only A and B
- D Only C
- E Only A and C

Answer: C

Question 184

Who amongst the following is the recipient of the 2001 Saraswati Award ?

- A Lata Mangeshkar
- B Pt. Jasraj
- C Kumar Sanu
- D Asha Bhonsle
- E None of these

Answer: E

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Question 185

The third SAARC Ministerial Conference on Poverty Alleviation was held in

- A Kathmandu
- B New Delhi

- C Islamabad
- D Dhaka
- E None of these

Answer: C

Question 186

Which of the following projections made by the World Trade Organisation pertaining to the World Trade is not true ?

- A. The World Trade has declined by 14% in the year 2001
- B. The World Trade has improved by 14% in the year 2001
- C. The World Trade recorded a growth of 6% during the year 2001

- A Only A
- B Only B
- C Only C
- D Only A and B
- E All the three A, B and C are not true

Answer: E

Question 187

Which of the following States attracted maximum foreign direct investment in terms of percentage of total direct investment during 1991-2001 ?

- A Maharashtra
- B Delhi
- C Tamil Nadu
- D Kerala
- E None of these

Answer: A

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Question 188

Who amongst the following was the chairperson of the National Commission to Review the Working of the Constitution (NCRWC) ?

- A Sri Lalit Bhaskar
- B Sri Parmod Mahajan
- C Sri Manohar Joshi
- D Sri Ram Jethmalani
- E Justice Venkatachaliah

Answer: E

Question 189

Which of the following statements is true about the political situation in Venezuela ?

- A. There was a coup in which President Chavez was thrown out in April 2002
- B. The reforms introduced by the Chavez Govt. are not getting support of the public.
- C. Chavez again managed his 'comeback' and now the President of Venezuela.

- A Only A
- B Only B
- C Only C
- D Only A and C
- E Only A and B

Answer: D

Question 190

The Minimum Support Price of wheat for the current financial year is fixed at Rs. per quintal.

- A 580
- B 600
- C 610
- D 620
- E 640

Answer: D

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Question 191

Which of the following is not a part of the Exim Policy 2002-07 ?

- A. It aims to achieve a 10% share in global exports by 2007
- B. All items in which India is self-sufficient are not allowed to import
- C. Permission is given to sell goods freely in domestic market in electronic hardware technology parks.

- A Only A
- B Only A and B
- C Only C
- D Only B and C
- E Only A and C

Answer: B

Question 192

Mr. Hun Sen, who was in news recently, is the

- A King of Cambodia

- B President of Cambodia
- C Prime Minister of Cambodia
- D Foreign Minister of Cambodia
- E Prime Minister of Myanmar

Answer: C

Question 193

Yasser Arafat, who was in news recently, was held captive by which of the following?

- A Israeli forces
- B Palestine forces
- C UN Peacekeeping forces
- D US forces
- E None of these

Answer: A

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Question 194

Ms. Anjali Vedpathak won a silver medal in which of the following championships recently ?

- A ISSF World Cup Shooting
- B ISSF World Cup Athletics
- C ISSF World Cup Swimming
- D World Cup of Wrestling
- E None of these

Answer: A

Question 195

Jacques Chirac, who was recently in news, is the new

- A Prime Minister of Germany
- B President of France
- C Prime Minister of Korea
- D President of East Timor
- E Prime Minister of Uganda

Answer: B

Question 196

Ms. Mayawati, who was recently in news, is from which of the following political parties ?

- A Bahujan Samaj Party
- B Samajwadi Party
- C Lok Dal
- D Bharatiya Janata Party
- E None of these

Answer: A

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Question 197

The 55th Cannes International Film Festival dubbed which of the following Indian Cine Stars as "Prince of Bollywood"?

- A Amitabh Bachchan
- B Dilip Kumar
- C Raj Kapoor
- D Shahrukh Khan
- E None of these

Answer: C

Question 198

Which of the following is not true about President Parvez Musharraf who won the referendum in Pakistan ?

- A. He got about 60% votes
- B. He will remain as President for next three years
- C. About 40-50% of the eligible 70 million voters participated in the referendum.

- A Only A
- B Only B
- C Only C
- D Only A and B
- E Only A and C

Answer: D

Question 199

Dollar's Purchasing Power Parity (PPP) per capita is highest in

- A India
- B China
- C S. Korea

- D Malaysia
- E Bangladesh

Answer: C

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Question 200

'East Timor' which became a new independent nation was earlier a part of

- A Myanmar
- B China
- C South Africa
- D Indonesia
- E Ethiopia

Answer: D

Question 201

As per the ruling given by the Supreme Court of India, the candidates for the Lok Sabha and Assembly elections will be required to disclose their

- A. Educational qualifications
- B. Assets
- C. Antecedents

- A Only A
- B Only B
- C Only C
- D Only A and B
- E All the three A, B and C

Answer: E

Question 202

In a bid to fight terrorism, which of the following two countries signed a historic disarmament pact recently ?

- A Russia-Japan
- B USA-Germany
- C Germany-Russia
- D Russia-USA
- E USA-France

Answer: D

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Question 203

India recently signed an extradition treaty with which of the following European countries after six-year long negotiations ?

- A United Kingdom
- B Germany
- C Portugal
- D France
- E None of these

Answer: E

Question 204

The XVII Commonwealth Games will be organised in July- August 2002 in.....

- A New Delhi
- B Sydney
- C Manchester
- D Victoria
- E Kuala Lumpur

Answer: C

Question 205

A joint session of the Rajya Sabha and Lok Sabha was summoned to discuss which of the following recently ?

- A POTO
- B Reservation of seats for women in the Lok Sabha
- C Budget for 2002-03
- D Panchayat elections through Central Election Commission
- E None of these

Answer: A

Question 206

Which of the following is not true as per the National Human Development report released recently ?

- A. The human development index improved annually at 4.3 per cent in the 1980s but only 2.4 percent in 1990s
- B. Goa was found to be at the top in many of the indicators
- C. Gender disparities have declined almost in all states.

- A Only A
- B Only B

- C Only A and B
- D Only C and D
- E None of these

Answer: C

Question 207

Which of the following is the correct description of 'BrahMos', the acronym for Brahmaputra-Moscow ?

- A. It is a joint project of India and Russia wherein Russia will help India in controlling the flooding of river Brahmaputra.
- B. It is the name of the project undertaken by India and Russia in the field of space research
- C. This is the name of the supersonic anti-ship cruise missile developed jointly by India and Russia

- A Only A
- B Only B
- C Only B and C
- D Only C
- E Only A and C

Answer: D

Question 208

The dairy products now attract customs duty at the rate of

- A 15%
- B 25%
- C 30%
- D 35%
- E 40%

Answer: E

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Question 209

Who amongst the following is the author of the book "Empire Falls", which was in news recently ?

- A Diane Mc Whorter
- B Richard Russo
- C Suzan Lori
- D Ruth Handler
- E None of these

Answer: B

Question 210

Which of the following is true about the debate on the situation of Gujarat held in the Parliament recently ?

- A. The NDA government got 281 votes while opposition got only 194 votes
- B. The debate continued for about 16 hours
- C. The motion was put up by the NDA Govt. itself

- A Only A and B
- B Only B
- C Only B and C
- D Only A
- E Only C

Answer: B

Question 211

As per the estimates of the Reserve Bank of India the growth rate during 2002-03 would be in the range of

- A 5-5.5%
- B 5.5-6%
- C 6-6.5%
- D 6.5-5%
- E 7-7.5%

Answer: C

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Question 212

Which of the following will be the Cash Reserve Ratio of banks w.e.f. June 15, 2002?

- A 5%
- B 5.5%
- C 6%
- D 6.5%
- E None of these

Answer: A

Question 213

Which of the following is true about Justice B.N. Kirpal who was recently in news ?

- A He has taken over the charge of the Attorney General of India
- B He will be the new Chief Justice of India
- C He is new Vice-President of India

D He is nominated as a judge in the International Court of Justice

E None of these

Answer: B

Question 214

Why was Sri Manohar Joshi recently in news ?

A He has taken over as the new Chief Minister of Maharashtra

B He is the new Governor of Gujarat

C He is our new Ambassador to the USA

D He has taken retirement from active politics

E None of these

Answer: E

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Question 215

India has recently purchased 8 gun-locating radars from

A Russia

B USA

C Germany

D France

E Switzerland

Answer: B

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