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JVVNL Reasoning Sample Paper 2016 PDF Download



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(1) Z, S, W, O, T, K, Q, G, ?, ?

[A] N, C

[B] N, D

[C] O, C

[D] O, D

Answer : [A]

Explanation:

The given sequence is a combination of two series:

I. Z, W, T, Q, ? and II. S, O, k, G, ?



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(2) C, Z, F, X, I, V, L, T, O, ?, ?

[A] O, P

[B] P, Q

[C] R, R

[D] S, R

Answer : [C]

Explanation:

The given sequence is a combination of two series:

I. C, F, I, L, O, ? and II. Z, X, V, T, ?



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(3) A, G, L, P, S, ?

[A] U

[B] W

[C] X

[D] Y

Answer : [A]

Explanation:



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(4) ajs, gpy, ?, sbk, yhq

[A] dmv

[B] mve

[C] oua

[D] qzi

Answer : [B]

Explanation:



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(5) Y, B, T, G, O, ?

[A] N

[B] M

[C] L

[D] K

Answer : [C]

Explanation:

The given sequence is a combination of two series :

I. Y, T, O and II. B, G, ?

I consists of 2nd, 7th and 12th letters from the end of the English alphabet, while

II consists of 2nd, 7th and 12th letters from the beginning of the English alphabet.

So, the missing letter in II is the 12th letter from the beginning of the English alphabet, which is L.

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(6) Pointing to a boy in the photograph Reena said, "He is the only son of the only child of my grandfather." How Reena is related to that boy?

[A] Mother

[B] Sister

[C] Aunt

[D] Cannot be determined

Answer : [B]

Explanation:

The boy in the photograph is the only son of Reena's grandfather's only son; i.e., the boy is the only son of Reena's father.

Hence, the boy is the brother of Reena or Reena is the sister of the boy.

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(7) Pointing towards a girl, Abhisek says, "This girl is the daughter of only a child of my father." What is the relation of Abhisek's wife to that girl?

[A] Daughter

[B] Mother

[C] Aunt

[D] Sister

Answer : [B]

Explanation: Only the child of my father means 'Abhisek' himself. This means the girl is the daughter of Abhisek. Hence, Abhisek's wife is the mother of the girl.

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(8) Anupam said to a lady sitting in a car, "The only daughter of the brother of my wife is the sister-in-law of the brother of your sister." How the husband of the lady is related to Anupam?

[A] Maternal uncle

[B] Uncle

[C] Father

[D] Son-in-law

Answer : [D]

Explanation:

Anupam's son-in-law is the brother of the lady who was sitting in the car. Hence, the husband is also the son-in-law of Anupam.

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(9) If X + Y means X is the daughter of Y; X - Y means X is the brother of Y; X % Y means X is the father of Y and X x Y means X is the sister of Y. Which of the following means I is the niece of J?

[A] $J - N \% C \times I$

[B] $I \times C - N \% J$

[C] $J + M \times C \% I$

[D] $I \times C + N - J$

Answer : [D]

Explanation:

$I \times C \rightarrow I$ is the sister of C

$C + N \rightarrow C$ is the daughter of N

and $N - J \rightarrow N$ is the brother of I.

Hence, I is niece of J.

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(10) A is the son of C; C and Q are sisters; Z is the mother of Q and P is the son of Z. Which of the following statements is true?

[A] P and A are cousins

[B] P is the maternal uncle of A

[C] Q is the maternal grandfather of A

[D] C and P are sisters

Answer : [B]

Explanation:

C and Q are sisters and A is the son of C. Hence, C is the mother of A or Z is the mother Q.

Hence, Z is the maternal grandmother of A. P is the son of Z. Hence, P is the maternal uncle of A.

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(11) Question: Vinod's and Javed's salaries are in the proportion of 4 : 3 respectively. What is Vinod's salary ?

Statements:

I. Javed's salary is 75% that of Vinod's salary.

II. Javed's salary is Rs 4500.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [B]

Explanation:

Statement I is merely an interpretation of the information contained in the question.

However, Vinod's salary can be ascertained from II as follows : Let Vinod's and Javed's salaries be $4x$ and $3x$ respectively. Then, $3x = 4500$ or $x = 1500$.

Therefore Vinod's salary = $4x = \text{Rs. } 6000$.

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(12) Question: T studies in which of the schools B, C, D, E and F ?

Statements:

I. T does not study in the same school as either R or J.

II. R and J study in schools D and F respectively.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [D]

Explanation:

As given in I and II, R studies in school D and J studies in school F. So, T does not study in school D or school F. Thus, T studies in any one of the schools B, C or E.

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(13) Question: How many New Year's greeting cards were sold this year in your shop ?

Statements:

I. Last year 2935 cards were sold.

II. The number of cards sold this year was 1.2 times that of last year.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [E]

Explanation:

From both I and II, we find that the number of cards sold this year = $(2935 \times 1.2) = 3522$.

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(14) Question: What is the rank of P from the bottom in a class of 30 students ?

Statements:

I. M is third from the top and there are five students between M and P.

II. The rank of K is fourth from the bottom and there are 17 students between K and P.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [C]

Explanation:

From I, we conclude that P is 9th from the top. Thus, in a class of 30 students, P ranks 22nd from the bottom.

From II, we conclude that P is 22nd from the bottom.

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(15) Question: How many speeches were delivered in the two days' programme ?

Statements:

I. 18 speakers were invited to give at least one speech (maximum of two speech), out of which one-sixth of the speakers could not come.

II. One-third of the speakers gave two speeches each.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [E]

Explanation:

From I, we find that number of speakers who attended programme = $18 - (1/6) \text{ of } 18 = 15$.

From II, we find that one-third of 15 i.e. 5 speakers gave 2 speeches each, while each of the remaining 10 speakers delivered only one speech. So, total number of speeches delivered = $(5 \times 2 + 10 \times 1) = 20$.

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(16) Question: Gaurav ranks eighteenth from the top in a class. What is his rank from the last?

Statements:

I. There are 47 students in the class.

II. Jatin who ranks 10th in the same class, ranks 38th from the last.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [C]

Explanation:

From I, we conclude that in a class of 47 students, Gaurav ranks 18th from the top and hence 30th from the last.

From II, we conclude that there are 9 students above and 37 students below Jatin in rank. Thus, there are $(9 + 1 + 37) = 47$ students in the class.

So, Gaurav who ranks 18th from the top, is 30th from the last.

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(17) Question: In a row of five buildings - P, Q, R, S and T, which building is in the middle ?

Statements:

I. Buildings S and Q are at the two extreme ends of the row.

II. Building ,T is to the right of building R.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

[E] Both I and II are sufficient

Answer : [D]

Explanation:

From I, we have the order : S, -, -, -, Q. From II, we have the order : R, T. Combining the above two, we get two possible orders : S, R, T, P, Q or S, P, R, T, Q. Thus, either T or R is in the middle.

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(18) Question: What is the colour of the fresh grass ?

Statements:

I. Blue is called green, red is called orange, orange is called yellow.

II. Yellow is called white, white is called black, green is called brown and brown is called purple.

[A] I alone is sufficient while II alone is not sufficient

[B] II alone is sufficient while I alone is not sufficient

[C] Either I or II is sufficient

[D] Neither I nor II is sufficient

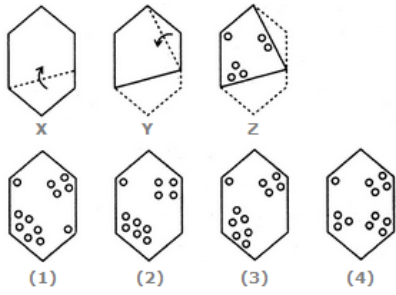
[E] Both I and II are sufficient

Answer : [B]

Explanation:

The colour of fresh grass is 'green' and as given in II, 'green' is called 'brown'. So, the colour of fresh grass is 'brown'.

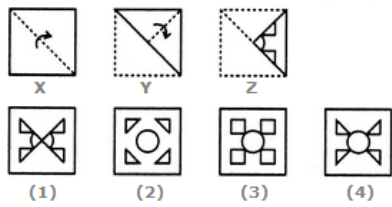
(19) Choose a figure which would most closely resemble the unfolded form of Figure (Z).



- [A] 1
- [B] 2
- [C] 3
- [D] 4

Answer : [C]

(20) Choose a figure which would most closely resemble the unfolded form of Figure (Z).



- [A] 1
- [B] 2
- [C] 3
- [D] 4

Answer : [C]