

Book For
Delhi Development Authority



Delhi Development Authority Solved Paper - Reasoning



Visit our websites:

www.Couponlal.com

www.Myexamportal.com

www.Examlal.com

| www.Joblal.com

| www.joinexam.in

| www.examy.com

(1) 0, 2, 3, 5, 8, 10, 15, 18, 24, 26, 35

[A] 18

[B] 24

[C] 26

[D] 10

Answer : [A]

Explanation:

The given sequence is a combination of two series:

I. 0, 3, 8, 15, 24, 35 and II. 2, 5, 10, 18, 26

The pattern in both I and II is + 3, + 5, + 7, + 9,.....

So, in II, 18 is wrong and must be replaced by (10 + 7) i.e. 17.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(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, ?



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(3) AYBZC, DWEXF, GUHVI, JSKTL, ?

[A] MQORN

[B] MQNRO

[C] NQMOR

[D] QMONR

Answer : [B]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(4) AYD, BVF, DRH, ?, KGL

[A] FMI

[B] GMJ

[C] GLJ

[D] HLK

Answer : [B]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(5) _ nmmn _ mmnn _ mnnm _

[A] nmmm

[B] mnnm

[C] nmmm

[D] nmmm

Answer : [C]

Explanation:

The series is nmm/nm/nm/nm. Thus, the pattern 'nmmm' is repeated.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(6) Arrange the words given below in a meaningful sequence.

1. Never 2. Sometimes 3. Generally 4. Seldom 5. Always

[A] 5, 2, 1, 3, 4

[B] 5, 2, 4, 3, 1

[C] 5, 3, 2, 1, 4

[D] 5, 3, 2, 4, 1

Answer : [D]

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(7) Arrange the words given below in a meaningful sequence.

1. College 2. Child 3. Salary 4. School 5. Employment

[A] 1, 2, 4, 3, 5

[B] 2, 4, 1, 5, 3

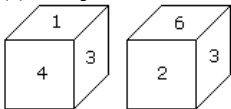
[C] 4, 1, 3, 5, 2

[D] 5, 3, 2, 1, 4

Answer : [B]

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(8) Two positions of a cubical block are shown. When 5 is at the top which number will be at bottom?



[A] 1

[B] 2

[C] 3

[D] 4

Answer : [C]

Explanation: In these 2 positions one common face with number 3, is in same position. Hence according to rule (3), 1 is opposite to 6 and 4 is opposite to 2. Therefore 5 is opposite to 3.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(9) Statements:

I. The Government has reduced the prices of petroleum products by five percent a week after increasing the prices by ten percent.

II. The rate of inflation dropped marginally during the last week.

[A] Statement I is the cause and statement II is its effect.

[B] Statement II is the cause and statement I is its effect.

- [C] Both the statements I and II are independent causes.
[D] Both the statements I and II are effects of independent causes.
[E] Both the statements I and II are effects of some common cause.

Answer : [D]

Explanation: Both the statements I and II are effects of independent causes.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(10) A hill always has

- [A] Trees
[B] Height
[C] Animals
[D] Water

Answer : [B]

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(11) What is found necessarily in newspaper?

- [A] Date
[B] Advertisement
[C] News
[D] Editor

Answer : [C]

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(12) If $P + Q$ means P is the brother of Q; $P \times Q$ means P is the father of Q and $P - Q$ means P is the sister of Q, which of the following relations shows that I is the niece of K?

- [A] $K + Y + Z - I$
[B] $K + Y \times I - Z$
[C] $Z - I \times Y + K$
[D] $K \times Y + I - Z$

Answer : [B]

Explanation:

$K + Y \rightarrow$ K is the brother of Y
 $Y \times I \rightarrow$ Y is the father of I
Hence, \rightarrow K is the uncle of I
and $I - Z \rightarrow$ I is the sister of Z
Hence, \rightarrow I is the niece of K.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

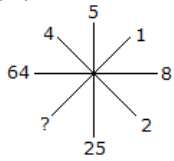
(13) If $P + Q$ means P is the brother of Q; $P \times Q$ means P is the wife of Q and $P \% Q$ means P is the daughter of Q then which of the following means D is the uncle of A?

- [A] $A \% B \times C + D$
[B] $A \times B + C \% D$
[C] $A + C \% B \times D$
[D] None of these

Answer : [D]

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(14) Which one will replace the question mark ?



[A] 1

[B] 2

[C] 3

[D] 4

Answer : [A]

Explanation:

$$(2)^2 = 4$$

$$(8)^2 = 64$$

$$(5)^2 = 25$$

$$(1)^2 = 1.$$

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(15) Choose the odd one out.

[A] OUQT

[B] QFSE

[C] LKNJ

[D] BSDR

[E] UCYB

Answer : [E]

Explanation:

In all other groups, first letter is moved two steps forward to obtain the third letter, the fourth and second letters are in alphabetical order.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(16) Choose the odd one out.

[A] AEFJ

[B] EHIL

[C] KOPT

[D] UYZD

Answer : [B]

Explanation:

In all other groups, the second and fourth letters are each four steps ahead of the first and third letters respectively, while second and third letters are consecutive.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(17) Question: On which day in April is Gautam's birthday?

Statements:

I. Gautam was born exactly 28 years after his mother was born.

II. His mother will be 55 years 4 months and 5 days on August 18 this 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:

Clearly, the birthday of Gautam's mother can be found out from II and then Gautam's birthday can be determined using the fact given in I.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(18) Question: How many sons does X have ?

Statements:

I. Q and U are brothers of T.

II. R is sister of P and U.

III. R and T are daughters of X.

[A] Only I and II

[B] Only II and III

[C] All I, II and III

[D] I, II and III together are not sufficient

[E] None of these

Answer : [D]

Explanation:

From I, II and III, we conclude that all P, Q, R, T and U are children of X. Of these, Q and U are male while R and T are female. But the sex of P cannot be determined.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(19) K is 40 m South-West of L. If M is 40 m South-East of L, then M is in which direction of K?

[A] East

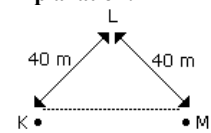
[B] West

[C] North-East

[D] South

Answer : [A]

Explanation:



Hence M is in the East of K.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(20) One morning sujata started to walk towards the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?

[A] North

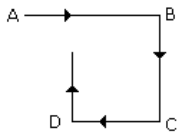
[B] South

[C] North-East

[D] South-West

Answer : [A]

Explanation:



Hence finally Sujata will face towards North.

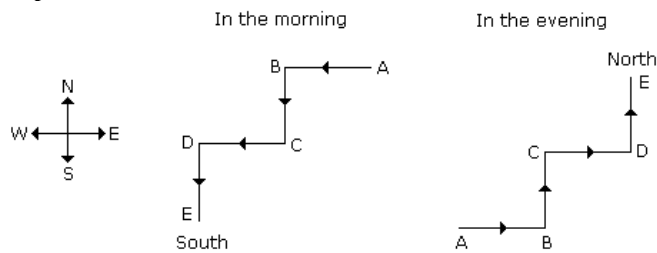
www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(21) Amit started walking positioning his back towards the sun. After some time, he turned left, then turned right and towards the left again. In which direction is he going now?

- [A] North or South
- [B] East or West
- [C] North or West
- [D] South or West

Answer : [A]

Explanation:



If he starts walking the morning then finally he will face towards South and if he starts in the evening then finally he will face towards North.

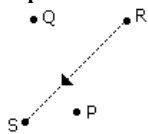
www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(22) Village Q is to the North of the village P. The village R is in the East of Village Q. The village S is to the left of the village P. In which direction is the village S with respect to village R?

- [A] West
- [B] South-West
- [C] South
- [D] North-West

Answer : [B]

Explanation:



S is to the South-West of R.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

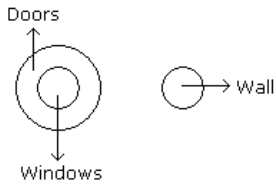
(23) Statements: All the windows are doors. No door is a wall.

Conclusions:

- I. Some windows are walls.
- II. No wall is a door.

- [A] Only (1) conclusion follows
- [B] Only (2) conclusion follows
- [C] Either (1) or (2) follows
- [D] Neither (1) nor (2) follows
- [E] Both (1) and (2) follow

Answer : [B]



Explanation: Only (2) follows.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(24) Statements: Some rats are cats. Some cats are dogs. No dog is cow.

Conclusions:

- I. No cow is cat.
- II. No dog is rat.
- III. Some cats are rats.

[A] Only (1)

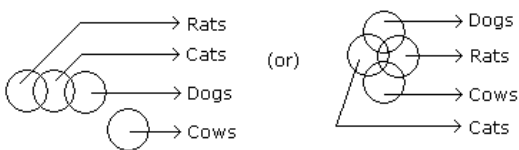
[B] Only (1) and (2)

[C] Only (1) and (3)

[D] Only (2) and (3)

[E] Only (3)

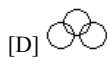
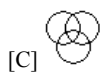
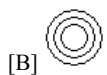
Answer : [E]



Explanation: Only (3) follows.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(25) Which of the following diagrams indicates the best relation between Professors, Doctors and Men ?



Answer : [C]

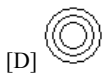
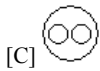
Explanation:

- Some doctors may be professors and vice-versa.
- Some professors may be men and vice-versa.
- Some doctors may be men and vice-versa.
- Some doctors may be men and professors as well.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(26) Which of the following diagrams indicates the best relation between Sweets, Rasagulla and Apple ?





Answer : [A]

Explanation: Rasagulla is one of the sweets while apple is different from these.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(27) What is the smallest number of ducks that could swim in this formation - two ducks in front of a duck, two ducks behind a duck and a duck between two ducks ?

[A] 3

[B] 5

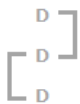
[C] 7

[D] 9

Answer : [A]

Explanation:

Clearly, the smallest such number is 3.



Three ducks can be arranged as shown above to satisfy all the three given conditions.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(28) In a caravan, in addition to 50 hens, there are 45 goats and 8 camels with some keepers. If the total number of feet be 224 more than the number of heads in the caravan, the number of keepers is

[A] 5

[B] 8

[C] 10

[D] 15

Answer : [D]

Explanation:

Let number of keepers be x . Then,

Total number of feet = $2 \times 50 + 4 \times 45 + 4 \times 8 + 2x = 2x + 312$.

Total number of heads = $50 + 45 + 8 + x = 103 + x$.

Therefore $(2x + 312) = (103 + x) + 224$ or $x = 15$.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(29) Nitin's age was equal to square of some number last year and the following year it would be cube of a number. If again Nitin's age has to be equal to the cube of some number, then for how long he will have to wait?

[A] 10 years

[B] 38 years

[C] 39 years

[D] 64 years

Answer : [B]

Explanation:

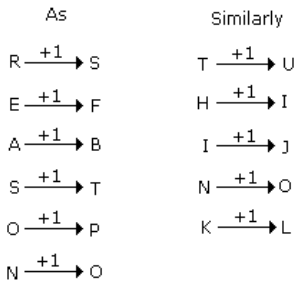
Clearly, we have to first find two numbers whose difference is 2 and of which the smaller one is a perfect square and the bigger one a perfect cube. Such numbers are 25 and 27.

Thus, Nitin is now 26 years old. Since the next perfect cube after 27 is 64, so required time period = $(64 - 26)$ years = 38 years.

(30) REASON : SFBTPO :: THINK : ?

- [A] SGHMJ
- [B] UIJOL
- [C] UHNKI
- [D] UJKPM

Answer : [B]

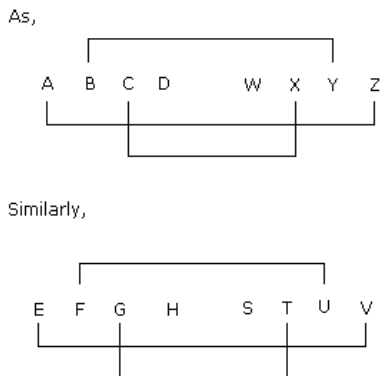


Explanation:

(31) ABCD : WXYZ :: EFGH : ?

- [A] STUV
- [B] ZYXW
- [C] VUTS
- [D] WXZY

Answer : [A]



Explanation:

(32) 14 : 9 :: 26 : ?

- [A] 12
- [B] 13
- [C] 31
- [D] 15

Answer : [D]

Explanation:
 $14 = (2 \times 9 - 4)$
 $26 = (2 \times 15 - 4)$
 $? = 15$

[B] Swimming

[C] Flowing

[D] Tank

Answer : [D]

Explanation: As short form of 'Mountain' is 'Hill' similarly 'Tank' is short form of 'River'.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(38) A, P, R, X, S and Z are sitting in a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P ?

[A] A

[B] X

[C] S

[D] Z

Answer : [B]

Explanation:

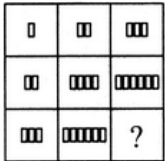
The seating arrangement is as follows:

•	•	•	•	•	•
P	X	S	Z	R	A

Therefore, right of P is X.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(39) Select a suitable figure from the four alternatives that would complete the figure matrix.



- (1) □□□□□□ (3) □□□□□□□□
 (2) □□□□□□□ (4) □□□□□□□□□

[A] 1

[B] 2

[C] 3

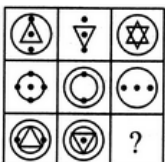
[D] 4

Answer : [C]

Explanation: In each row (as well as in each column), the number of rectangles in the second figure is two times the number of rectangles in the first figure and the number of rectangles in the third figure is three times the number of rectangles in the first figure.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(40) Select a suitable figure from the four alternatives that would complete the figure matrix.



- | | | | |
|----------|-----|-----|---------|
| ○ (dots) | ☆ | ☆ | ○ (dot) |
| (1) | (2) | (3) | (4) |

[A] 1

[B] 2

[C] 3

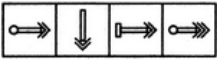
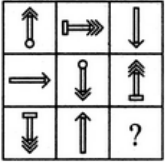
[D] 4

Answer : [B]

Explanation: The third figure in each row comprises of parts which are not common to the first two figures.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(41) Select a suitable figure from the four alternatives that would complete the figure matrix.



(1) (2) (3) (4)

[A] 1

[B] 2

[C] 3

[D] 4

Answer : [A]

Explanation: In each row, there are three types of arrows - an arrow with a single head and without any base, an arrow with double head having a circle at its base, an arrow with triple head having a rectangle at its base. Also, in each row, the arrows point in three directions - upwards, downwards and towards the right.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(42) Identify the figure that completes the pattern.



[A] 1

[B] 2

[C] 3

[D] 4

Answer : [A]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(43) Identify the figure that completes the pattern.



[A] 1

[B] 2

[C] 3

[D] 4

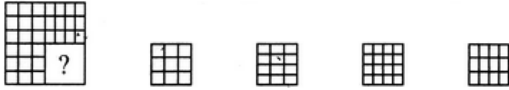
Answer : [C]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(44) Identify the figure that completes the pattern.



[A] 1

[B] 2

[C] 3

[D] 4

Answer : [D]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(45) Identify the figure that completes the pattern.



[A] 1

[B] 2

[C] 3

[D] 4

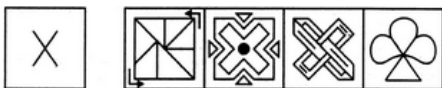
Answer : [C]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(46) Find out the alternative figure which contains figure (X) as its part.



[A] 1

[B] 2

[C] 3

[D] 4

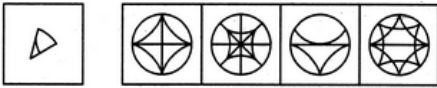
Answer : [D]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(47) Find out the alternative figure which contains figure (X) as its part.



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

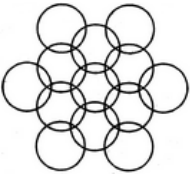
Answer : [B]

Explanation:



www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(48) How many circles are there in the adjoining figure.



- [A] 11
- [B] 12
- [C] 13
- [D] 14

Answer : [C]

Explanation:

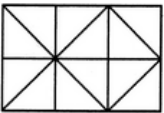
The figure may be labelled as shown.



There are 13 circles in the given figure. This is clear from the adjoining figure in which the centres of all the circles in the given figure have been numbered from 1 to 13.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(49) Count the number of squares in the given figure.



- [A] 6
- [B] 7
- [C] 9
- [D] 10

Answer : [C]

Explanation:

The figure may be labelled as shown.



The squares composed of two components each are ABKJ, BCLK, CDEL, LEFG, KLGH and JKHI i.e. 6 in number.

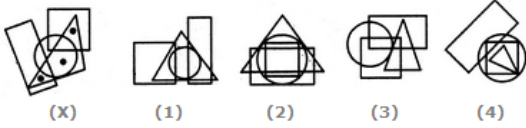
There is only one square i.e. CEGK composed of four components.

The squares composed of eight components each are ACGI and BDFH i.e. 2 in number.

There are $6 + 1 + 2 = 9$ squares in the figure.

www.myexamportal.com | www.couponlal.com | www.examlal.com | www.joblal.com | www.examy.com

(50) Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



[A] 1

[B] 2

[C] 3

[D] 4

Answer : [A]

Explanation: In fig. (X), one of the dots lies in the region common to the square and the triangle only, another dot lies in the region common to the circle and the triangle only and the third dot lies in the region common to the triangle and the rectangle only. In fig. (2), there is no region common to the square and the triangle only. In fig. (3), there is no region common to the circle and the triangle only. In fig. (4) there is no region common to the triangle and the rectangle only. Only fig. (1) consists of all the three types of regions.