Book For

Bangalore Electricity Supply Company Limited
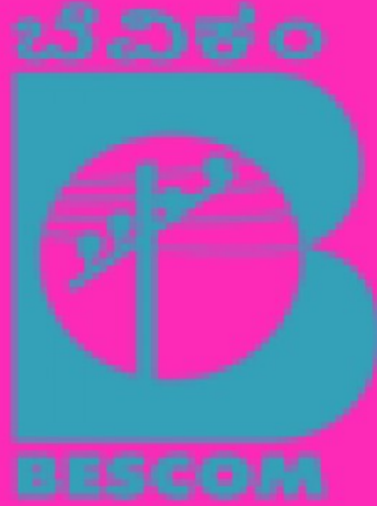
BESCOM Reasoning Sample Paper 2016 PDF Download

(1) 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.

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(2) Ravi's brother is 3 years senior to him. His father was 28 years of age when his sister was born while his mother was 26 years of age when he was born. If his sister was 4 years of age when his brother was born, what were the ages of Ravi's father and mother respectively when his brother was born ?

[A] 32 years, 23 years

[B] 32 years, 29 years

[C] 35 years, 29 years

[D] 35 years, 33 years

Answer : [A]

Explanation:
When Ravi's brother was born, let Ravi's father's age = x years and mother's age = y years.
Then, sister's age = (x - 28) years. So, x - 28 = 4 or x = 32.
Ravi's age = (y - 26) years. Age of Ravi's brother = (y - 26 + 3) years = (y - 23) years.
Now, when Ravi's brother was born, his age = 0 i.e. y - 23 = 0 or y = 23.

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(3) In a cricket match, five batsmen A, B, C, D and E scored an average of 36 runs. D Scored 5 more than E; E scored 8 fewer than A; B scored as many as D and E combined; and B and C scored 107 between them. How many runs did E score ?

[A] 62

[B] 45

[C] 28

[D] 20

Answer : [D]

Explanation:
Total runs scored = (36 x 5) = 180.
Let the runs scored by E be x.
Then, runs scored by D = x + 5; runs scored by A = x + 8;
runs scored by B = x + x + 5 = 2x + 5;
runs scored by C = (107 - B) = 107 - (2x + 5) = 102 - 2x.
So, total runs = (x + 8) + (2x + 5) + (102 - 2x) + (x + 5) + x = 3x + 120.
Therefore 3x + 120 =180 ⇔ 3X = 60 ⇔ x = 20.

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(4) The number of boys in a class is three times the number of girls. Which one of the following numbers cannot represent the total number of children in the class ?

[A] 48

[B] 44

[C] 42

[D] 40

Answer : [C]

Explanation:
Let number of girls = x and number of boys = 3x.
Then, 3x + x = 4x = total number of students.
Thus, to find exact value of x, the total number of students must be divisible by 4.

(5) A shepherd had 17 sheep. All but nine died. How many was he left with ?

[A] Nil

[B] 8

[C] 9

[D] 17

Answer : [C]

Explanation:
'All but nine died' means 'All except nine died' i.e. 9 sheep remained alive.

(6) Ayush was born two years after his father's marriage. His mother is five years younger than his father but 20 years older than Ayush who is 10 years old. At what age did the father get married ?

[A] 23 years

[B] 25 years

[C] 33 years

[D] 35 years

Answer : [A]

Explanation:
Ayush's present age = 10 years.
His mother's present age = (10 + 20) years = 30 years.
Ayush's father's present age = (30 + 5) years = 35 years.
Ayush's father's age at the time of Ayush's birth = (35 - 10) years = 25 years.
Therefore Ayush's father's age at the time of marriage = (25 - 2) years = 23 years.

(7) 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.

(8) Peacock : India :: Bear : ?

[A] Australia

[B] America

[C] Russia

[D] England

Answer : [C]

Explanation: As Peacock is the national bird of India, similarly Bear is the national animal of Russia.

(9) CUP : LIP :: BIRD : ?

[A] BUSH

[B] GRASS

[C] FOREST

[D] BEAK

Answer : [D]

Explanation: Cup is used to drink something with the help of lips. Similarly birds collects grass with the help of beak to make her nest.

(10) Paw : Cat :: Hoof : ?

[A] Lamb

[B] Elephant

[C] Lion

[D] Horse

Answer : [D]

Explanation: As cat has Paw similarly Horse has Hoof.

(11) Flow : River :: Stagnant : ?

[A] Rain

[B] Stream

[C] Pool

[D] Canal

Answer : [C]

Explanation: As Water of a River flows similarly water of Pool is Stagnant.

(12) Ornithologist : Bird :: Archealogist : ?

[A] Islands

[B] Mediators

[C] Archealogy

[D] Aquatic

Answer : [C]

Explanation: As Ornithologist is a specialist of Birds similarly Archealogist is a specialist of Archealogy.

(13) Carbon : Diamond :: Corundum : ?

[A] Garnet

[B] Ruby

[C] Pukhraj

[D] Pearl

Answer : [B]

Explanation: As Diamond is made of Carbon similarly Ruby is made of Corundum.

(14) Eye : Myopia :: Teeth : ?

[A] Pyorrhoea

[B] Cataract

[C] Trachoma

[D] Eczema

Answer : [A]

Explanation: As Myopia is disease of eye similarly pyorrhoea is a disease of teeth.

(15) NATION : ANTINO :: HUNGRY : ?

[A] HNUGRY

[B] UHNGYR

[C] YRNGUH

[D] UNHGYR

Answer : [B]
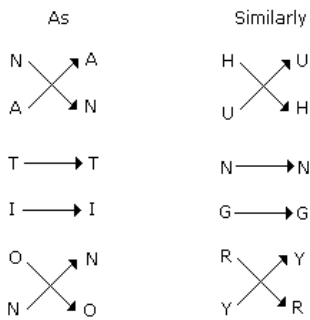
Explanation:

(16) REASON : SFBTPO :: THINK : ?

[A] SGHMJ

[B] UIJOL

[C] UHNKI

[D] UJKPM

Answer : [B]

As Similarly

R $\xrightarrow{+1}$ S   T $\xrightarrow{+1}$ U

E $\xrightarrow{+1}$ F   H $\xrightarrow{+1}$ I

A $\xrightarrow{+1}$ B   I $\xrightarrow{+1}$ J

S $\xrightarrow{+1}$ T   N $\xrightarrow{+1}$ O

O $\xrightarrow{+1}$ P   K $\xrightarrow{+1}$ L

Explanation: N $\xrightarrow{+1}$ O

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(17) Architect : Building :: Sculptor : ?

[A] Museum

[B] Stone

[C] Chisel

[D] Statue

Answer : [D]

Explanation: As 'Architect' makes 'Building' similarly 'Sculptor' makes 'Statue'.

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(18) A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting ?

[A] Between B and D

[B] Between B and C

[C] Between E and D

[D] Between C and E

Answer : [B]

Explanation:

•   •   •   •   •

E   B   A   C   D

Therefore, A is sitting in between B and C.

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(19) There are 8 houses in a line and in each house only one boy lives with the conditions as given below:

  I. **Jack is not the neighbour Siman.**

  II. **Harry is just next to the left of Larry.**

  III. **There is at least one to the left of Larry.**

  IV. **Paul lives in one of the two houses in the middle.**

  V. **Mike lives in between Paul and Larry.**

If at least one lives to the right of Robert and Harry is not between Taud and Larry, then which one of the following statement is not correct ?

[A] Robert is not at the left end.

[B] Robert is in between Simon and Taud.

[C] Taud is in between Paul and Jack.

[D] There are three persons to the right of Paul.

Answer : [C]

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(20) 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.