SSC CGL Previous Year Question Paper 2016

Reasoning Ability (Questions and Solutions)

Q. (1) Introducing Reeta, Monica said, "She is the only daughter of my father's only daughter." How is Monica related to Reeta?

1. Aunt
2. Niece
3. Cousin
4. Mother

Answer: 4

Solution: Monica's father's only daughter = Monica

Now, it is said that Reeta is the only daughter of Monica.

Thus, Monica is Reeta's mother.

Q. (2) A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

6, 10, 18, 34, ?, 130

1. 78
2. 52
3. 66
4. 94

Answer: 3

Solution: The series follow the following pattern:

- $6 + 2^2 = 10$
- $10 + 2^3 = 18$
- $18 + 2^4 = 34$
- $34 + 2^5 = 66$
- $66 + 2^6 = 130$

Q. (3) A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

IGT, JHS, KIR, LJQ, MKP, ?

1. LOP
2. NOP
3. NLO
4. LNO

Answer: 3

Solution:

IGT, JHS, KIR, LJQ, MKP, ?

The pattern followed is that the first two letters of the words are the successive letters of English alphabetical series and the third letters are in reverse order.

1st letter: I, J, K, L, M, N

2nd letter: G, H, I, J, K, L

3rd letter: T, S, R, Q, P, O

Thus, missing word = **NLO**

Q. (4) Find the odd number from the given alternatives.

1. 436
2. 284
3. 507
4. 365

Answer: 2

Solution: Among the given numbers, only **284** contains digits all of which are even, thus it is the odd one out.

Q. (5) Find the odd number from the given alternatives.

1. DAEH
2. KIMP
3. HEIL

4. FCGJ

Answer: 2

Solution:

- D (-3 letters) = A (+4 letters) = E (+3 letters) = H
- K (-2 letters) = I (+4 letters) = M (+3 letters) = P
- H (-3 letters) = E (+4 letters) = I (+3 letters) = L
- F (-3 letters) = C (+4 letters) = G (+3 letters) = J

Q. (6) Find the odd word from the given alternatives.

1. Rupee
2. Pound
3. Yen
4. Currency

Answer: 4

Solution: Rupee, Pound and yen are currencies of India, UK and Japan respectively, hence currency is the odd one out.

Q. (7) Select the related number from the given alternatives:

42 : 56 :: 110 : ?

1. 18
2. 132
3. 136
4. 140

Answer: 2

Solution:

Expression = **42 : 56 :: 110 : ?**

The pattern followed is = n (n + 1)

- 6 × 7 = 42
- 7 × 8 = 56

- 10 × 11 = 110

Hence, 11 × 12 = 132

Q. (8) Select the related letters from the given alternatives.

RIGT : WDBY :: FUSH : ?

1. PKJQ
2. KPNM
3. DXWB
4. QKJR

Answer: 2

Solution: Expression = **RIGT : WDBY :: FUSH : ?**

The pattern followed is:

- R + 5 = W
- I + 5 = D
- G + 5 = B
- T + 5 = Y

Similarly, F + 5 = **K**

U + 5 = **P**

S + 5 = **N**

H + 5 = **M**

Q. (9) Select the related words from the given alternatives.

Cytology : Cells :: ? : Birds

1. Odontology
2. Mycology
3. Etymology
4. Ornithology

Answer: 4

Solution: Cytology is the branch of biology and medicine concerned with the structure and function of plant and animal cells, similarly Ornithology is the scientific study of birds.

Q. (10) At a college party 5 girls are sitting in a row. P is to the left of M and to the right of O. R is sitting to the right of N, but to the left of O. Who is sitting in the middle?

1. O
2. R
3. P
4. M

Answer: 1

Solution:

Given, **P** is to the left of **M** and to the right of **O**

Therefore, the possible arrangement is **O P M**

Also, **R** is sitting to the right of **N**, but to the left of **O**

Therefore, another possible arrangement is **NRO**

Thus, combining the above statements, we get the final arrangement as **NROPM**

Hence, **O** is sitting in the middle.

Q. (11) From the given alternative words, select the word which cannot be formed using the letters of the given word:

CONSULTATION

1. CONSTANT
2. NATION
3. SALUTE
4. STATION

Answer: 3

Solution: The word **CONSULTATION** does not contain any '**E**', and thus the word '**Salute**' cannot be formed.

Q. (12) If S = 19, SUN = 54 and CAKE = 20, then MISTAKE =?

1. 78
2. 68
3. 59
4. 48

Answer: 1

Solution:

The words are represented as the sum of numbers they represent as

A = 1, B = 2, C = 3,....., Z = 26

Therefore, **SUN** = 19 + 21 + 14 = 54

CAKE = 3 + 1 + 11 + 5 = 20

Similarly, **MISTAKE** = 13 + 9 + 19 + 20 + 1 + 11 + 5 = **78**

Q. (13) If '+' stands for multiplication, '-' stands for addition, 'x' stands for division, then what is the value of **128 + 9 - 16 x 4 = ?**

1. 73
2. 256
3. 1156
4. 1352

Answer: 3

Solution: Given, **128 + 9 - 16 x 4 =?**

Now, according to the question, 128 × 9 + 16 ÷ 4

= 1152 + 4

= 1156

Q. (14) Select the related word/letters/numbers from the given alternatives.

Magazine : Editor :: Drama : ?

1. Director
2. Hero
3. Heroine

4. Painter

Answer: 1

Solution:

Expression = **Magazine : Editor :: Drama : ?**

An editor is a person who determines the final content of a magazine, similarly, a director is in charge of a drama.

Q. (15) Select the related word/letters/numbers from the given alternatives.

ACEG: IKMO:: QSUW:?

1. YZCE
2. YACD
3. YACE
4. YBCE

Answer: 3

Solution:

Expression = **ACEG : IKMO :: QSUW : ?**

The pattern followed is:

- A + 8 = I
- C + 8 = K
- E + 8 = M
- G + 8 = O

Similarly, Q + 8 = **Y**

S + 8 = **A**

U + 8 = **C**

W + 8 = **E**

Q. (16) Find the odd word/letters/number pair from the given alternatives.'

1. CA
2. FD
3. KI
4. TQ

Answer: 4

Solution:

- C (-2 letters) = A
- F (-2 letters) = D
- K (-2 letters) = I
- T (-3 letters) = Q

Q. (17) Find the odd word/letters/number pair from the given alternatives.

1. 73 - 61
2. 57 - 69
3. 47 - 59
4. 42 - 29

Answer: 4

Solution:

- 73 - 61 = 12
- 69 - 57 = 12
- 59 - 47 = 12
- 42 - 29 = 13

Q. (18) A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

DCB, HGF, ? , PON

1. LKJ
2. QRO
3. SUM

4. XZY

Answer: 1

Solution:

Expression: **DCB, HGF, ? , PON**

In each term, there is a gap of three letters between them.

1st letter: D (+4 letters) = H (+4 letters) = L (+4 letters) = P

2nd letter: C (+4 letters) = G (+4 letters) = K (+4 letters) = O

3rd letter: B (+4 letters) = F (+4 letters) = J (+4 letters) = N

Thus, missing term = **LKJ**

Q. (19) A series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

4, 9, 16, 25, 36, ?

1. 49
2. 56
3. 21
4. 94

Answer: 1

Solution:

The series is a square of natural numbers.

- $2^2 = 4$
- $3^2 = 9$
- $4^2 = 16$
- $5^2 = 25$
- $6^2 = 36$
- $7^2 = 49$

Q. (20) A is D's brother. D is B's father. B&C; are sisters. How is C related to A?

1. Cousin
2. Niece
3. Aunt
4. Nephew

Answer: 2

Solution: D is B's father and B & C are sisters

Therefore, B and C are the daughters of D (male).

Also, A is D's brother

Hence, A is the uncle of B and C.

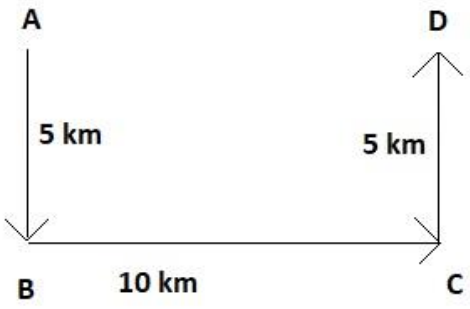
Thus, C is A's niece.

Q. (21) To attend an exam, Sudhir reached the school by travelling 5 km towards South, and after a sharp left turn, he travelled for about 10 km. He again made a sharp left turn and reached in front of the school by travelling 5 km more. Which direction is Sudhir's starting point from the school?

1. East
2. West
3. North
4. South

Answer: 2

Solution:



Q. (22) Consider the given statement/s to be true and decide which of the given conclusions/assumptions can definitely be drawn from the given statement.

Statements:

1. All books are novels.
2. Some novels are poems.

Conclusions:

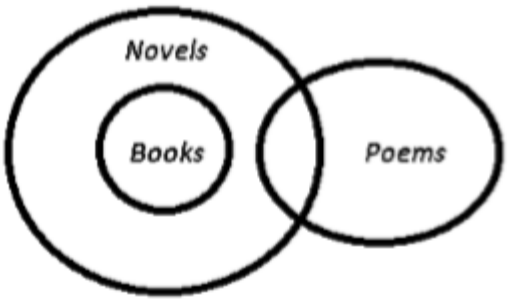
I. Some books are poems.

II. Some poems are novels.

1. Only conclusion I follows
2. Only conclusion II follows
3. Neither conclusion I nor conclusion II follows
4. Both conclusion I and conclusion II follow

Answer: 2

Solution: The Venn diagram for the above statements is:



Hence, only conclusion II follows.

Q. (23) In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

6 x 2 x 9 = 269

8 x 7 x 1 = 781

4 x 1 x 3 = ?

1. 431
2. 413
3. 341
4. 143

Answer: 4

Solution: The pattern followed is that the positions of the first two letters are interchanged.

Eg: 6 x 2 x 9 = 269

8 x 7 x 1 = 781

Similarly, **4 x 1 x 3 = 143**

Q. (24) Select the missing numbers from the given alternatives

9	**11**	**13**
3	**4**	**7**
3	**4**	**5**
81	**176**	**?**

1. 143
2. 169
3. 455
4. 545

Answer: 3

Solution: In the first column, number at the end is obtained by taking the product of the other three.

- 9 x 3 x 3 = 81
- 11 x 4 x 4 = 176

Similarly, **13 x 7 x 5 = 455**

Q. (25) Arrange the following words as per order in the dictionary.

1. Scarf
2. Scene
3. Shell
4. Survey
5. Stream

1. 1, 2, 4, 5, 3
2. 2, 4, 5, 1, 3
3. 3, 1, 2, 5, 4
4. 1, 2, 3, 5, 4

Answer: 4

Solution: As per the dictionary, we get the following arrangement:

Scarf (1) - Scene (2) - Shell (3) - Stream (5) - Survey (4)