

SSC CPO Previous Year Question Paper 2018

Reasoning Ability (Questions and Answers)

Q. (1) Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Request : Order

1. Summer : Heat
2. Think : Thought
3. Whisper : Shout
4. Clean : Wash

Answer: 3

Q. (2) Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

1. Probation
2. Selection
3. Application
4. Confirmation
5. Appointment

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

Answer: 3

Q. (3) 'Meat' is related to 'Vegetarian' in the same way as 'Alcohol' is related to:

1. Water
2. Smoker
3. Dietician

4. Teetotaller

Answer: 4

Q. (4) 'Tuesday' is related to 'Mars' in the same way as 'Thursday' is related to:

1. Venus
2. Saturn
3. Jupiter
4. Mercury

Answer: 3

Q. (5) Which letter will replace the question mark (?) in the following series?

M, N, O, L, Q, J, ?, H

1. J
2. R
3. K
4. S

Answer: 4

Solution: The pattern of the given series is:

- $M + 4 = Q$
- $N - 4 = J$
- $O + 4 = S$
- $L - 4 = H$

Q. (6) In a code language, **QUESTION** is written as **OPJUTFVR**. How will **FACTOR** be written as in that language?

1. SUPEGB
2. QPUDBE
3. BGDSPU
4. SPUDBG

Answer: 4

Q. (7) Three of the following four number-pairs are alike in a certain way and one is different. Find the odd one out.

1. 14 : 94
2. 12 : 72
3. 6 : 18
4. 8 : 32

Answer: 1

Solution: In all the pairs except 19:24, the 2nd number in each of the pair is a multiple of the first number.

Q. (8) Three of the following four letter-clusters are alike in a certain way and one is different. Find the odd one out.

1. AEIU
2. ILOU
3. EIOU
4. AIOU

Answer: 2

Q. (9) Select the option that is related to the third term in the same way as the second term is related to the first term.

BYWD : DWUF :: AZYB : _____

1. CXWD
2. CXVB
3. BZXC
4. BYWE

Answer: 1

Solution: The given pattern is:

- $B + 2 = D$
- $Y - 2 = W$
- $W - 2 = U$
- $D + 2 = F$

Therefore, $A + 2 = C$

$Z - 2 = X$

$Y - 2 = W$

$B + 2 = D$

Q. (10) If $CAB = 12$ and $FED = 30$, then $HIDE =$

1. 44
2. 52
3. 68
4. 48

Answer: 2

Solution: The pattern followed is:

$$(C + A + B) \times 2 = (3 + 1 + 2) \times 2 = 6 \times 2 = 12$$

$$(F + E + D) \times 2 = (6 + 5 + 4) \times 2 = 15 \times 2 = 30$$

$$(H + I + D + E) \times 2 = (8 + 9 + 4 + 5) \times 2 = 26 \times 2 = 52$$

Q. (11) Three of the following four number-pairs are alike in a certain way and one is different. Find the odd one out.

1. 34 : 7
2. 18 : 9
3. 56 : 11
4. 78 : 13

Answer: 4

Q. (12) Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some plants are trees.
2. All trees are bushes.

Conclusions:

- I. Some bushes are plants.
- II. All bushes are plants.
- III. No bush is a plant.

1. Only conclusion I follows.
2. Only conclusions II and III follow.
3. Only conclusion III follows.
4. Only conclusions I and III follow.

Answer: 1

Q. (14) Three of the following four number-pairs are alike in a certain way and one is different. Find the odd one out.

1. 10 : 99
2. 9 : 82
3. 4 : 17
4. 5 : 26

Answer: 1

Solution: The pattern followed is:

- $(10 \times 10) - 1 = 99$
- $(9 \times 9) + 1 = 82$
- $(4 \times 4) + 1 = 17$

- $(5 \times 5) + 1 = 26$

Q. (15) Select the set of numbers that is similar to the following set of numbers.

{15, 21, 27}

1. {40, 55, 75}
2. {20, 28, 36}
3. {25, 40, 56}
4. {12, 24, 32}

Answer: 2

Solution: The pattern followed in the series is:

- $15 + 6 = 21$
- $21 + 6 = 27$

Therefore, the similar set of numbers is **{20, 28, 36}**

i.e., **{20, 20 + 8, 28 + 8}**

Q. (16) Select the set of numbers that is similar to the following set of numbers.

{17, 13, 20}

1. {12, 19, 29}
2. {10, 18, 24}
3. {9, 15, 23}
4. {4, 10, 17}

Answer: 4

Q. (17) Select the word-pair in which the two words are related in the same way as are the two words in the following word- pair.

Memory : Amnesia

1. Vision : Blindness
2. Oldage : Senility
3. Audition : Hearing

4. Cholera : Epidemic

Answer: 1

Q. (18) Which number will replace the question mark (?) in the following series?

7, 10, 16, 19, 25, ?

1. 31
2. 29
3. 33
4. 28

Answer: 4

Solution: The pattern of the given series is:

- $7 + 3 = 10$
- $10 + 6 = 16$
- $16 + 3 = 19$
- $19 + 6 = 25$
- $25 + 3 = 28$

Q. (19) Select the option that is related to the third number in the same way as the second number is related to the first number.

15 : 25 :: 24 : _____

1. 45
2. 32
3. 35
4. 40

Answer: 4

Solution: The pattern followed is:

- $5 \times 3 = 15$
- $5 \times 5 = 25$

Now, $24/3 = 8$

Hence, $8 \times 5 = 40$

Q. (20) Select the option that is related to the third number in the same way as the second number is related to the first number.

8 : 81 :: 10 : _____

1. 121
2. 120
3. 111
4. 100

Answer: 1

Solution: The pattern followed is:

- $(8 + 1)^2 = 81$
- $(10 + 1)^2 = 121$

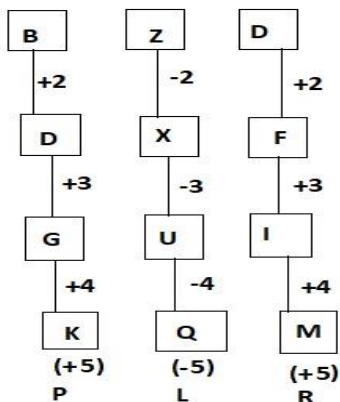
Q. (21) Which letter-cluster will replace the question mark (?) in the following series?

BZD, DXF, GUI, ?, PLR

1. LRT
2. KPN
3. KQM
4. MOQ

Answer: 3

Solution:

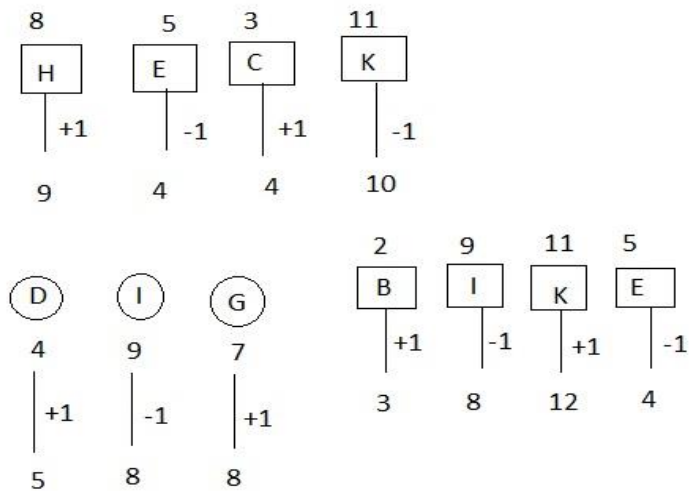


Q. (22) If **HECK** is coded as **94410** and **DIG** is coded as **588**, then how will **BIKE** be coded as?

1. 38124
2. 19113
3. 38115
4. 39105

Answer: 1

Solution:



Q. (23) Select the option that is related to the third term in the same way as the second term is related to the first term.

BDFH : DWDS :: TVYZ : _____

1. VEBB
2. UDWA
3. VDWB
4. VEWA

Answer: 4

Q. (24) Select the correct alternative to indicate the arrangement of the following words in a logical and meaningful order.

1. Sleep
2. Cold
3. Blanket
4. Winter
5. Warm
6. Shop

1. 4, 3, 2, 6, 1, 5
2. 4, 2, 6, 3, 5, 1
3. 6, 3, 2, 1, 4, 5
4. 4, 3, 6, 2, 1, 5

Answer: 2

Q. (25) Three of the following four words are alike in a certain way and one is different. Find the odd one out.

1. Gardening
2. Tailor
3. Blacksmith
4. Carpenter

Answer: 1

Q. (26) In a code language, **BANKER** is written as **NABREK**. How will **STRING** be written as in that language?

1. RTSGNI
2. RSTGIN
3. TSIRGN
4. RTGSNI

Answer: 1

Q. (27) Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

1. Some mangoes are fruits.
2. No fruit is vegetable.

Conclusions:

- I. Some mangoes are vegetables.
 - II. Some fruits are mangoes.
 - III. No vegetable is a mango.
-
1. Only conclusions II and III follow.
 2. Only conclusion II follows.
 3. Only conclusion I follows.
 4. Only conclusions I and III follow.

Answer: 2

Q. (28) Three of the following four words are alike in a certain way and one is different. Find the odd one out.

1. Weep
2. Jealous
3. Angry
4. Sad

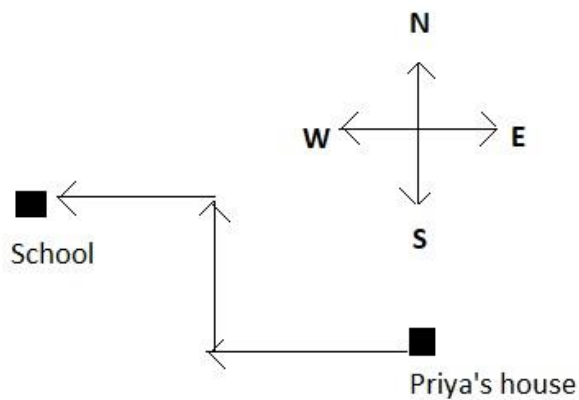
Answer: 1

Q. (29) Priya's school bus was facing north-west when it reached her school. After starting from her house, the bus took one left turn, one right turn and another left turn to reach her school. In which direction was the bus facing when it left Priya's house?

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

Answer: 2

Solution:



Q. (30) **ACCIDENT** is related to **TNEDICCA** in the same way as **PASSENGER** is related to:

1. REGMESSAP
2. RGENESSAP
3. REGNESSAP
4. REGNSESAP

Answer: 3

Q. (31) Select the letter-cluster that is related to the third letter-cluster in the same way that the second letter cluster is related to the first letter-cluster.

AFKP : BGLQ :: GLQV : ?

1. HMPW
2. HKRW
3. HMRW
4. HNRW

Answer: 3

Solution: The pattern followed is:

$$A + 1 = B$$

$$F + 1 = G$$

$$K + 1 = L$$

$$P + 1 = Q$$

$$\text{Therefore, } G + 1 = H$$

$$L + 1 = M$$

$$Q + 1 = R$$

$$V + 1 = W$$

Q. (32) Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd number-pair out.

1. 123 : 11
2. 144 : 12
3. 225 : 15
4. 196 : 14

Answer: 1

Solution: The pattern followed is:

- $144 = 12^2$
- $225 = 15^2$
- $196 = 14^2$

Hence, the odd pair is **123 : 11**

Q. (33) Select the term that will come next in the following series.

11, 13, 17, 23, 31, 41, 53, 67, 83, ?

1. 100
2. 101
3. 110
4. 97

Answer: 2

Solution: The pattern followed is:

- $11 + 2 = 13$
- $13 + 4 = 17$
- $17 + 6 = 23$
- $23 + 8 = 31$
- $31 + 10 = 41$
- $41 + 12 = 53$
- $53 + 14 = 67$
- $67 + 16 = 83$
- $83 + 18 = 101$

Q. (34) Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

School : Student :: _____ : _____

1. College : Teacher
2. Court : Judge
3. Hospital : Patient
4. Hotel : Chef

Answer: 3

Q. (35) In a code language, **FRIEND** is written as **GQJDOC**. How will **PEACE** be written in that language?

1. ODBBF
2. QDBDF

3. QDBBF
4. QFBBF

Answer: 3

Solution: The pattern followed is:

- $F + 1 = G$
- $R - 1 = Q$
- $I + 1 = J$
- $E - 1 = D$
- $N + 1 = O$
- $D - 1 = C$

Therefore, $P + 1 = Q$

$E - 1 = D$

$A + 1 = B$

$C - 1 = B$

$E + 1 = F$

Q. (36) If 'J' is coded as '20' and 'BAT' is coded as '46' then how will 'CRICKET' be coded?

1. 138
2. 158
3. 142
4. 140

Answer: 2

Solution: $J = 10 \times 2 = 20$

$BAT = (2 + 1 + 20) \times 2 = 46$

$CRICKET = (3 + 18 + 9 + 3 + 21 + 5 + 20) \times 2 = 79 \times 2 = 158$

Q. (37) Select the option that is related to the third number in the same way as the second number is related to the first number.

19 : 400 :: 24 : _____

1. 566
2. 676
3. 652
4. 625

Answer: 4

Solution:

$$19 : 400 :: 24 : \underline{\hspace{2cm}}$$

$$= 19 : (19 + 1)^2 :: 24 : (24 + 1)^2$$

$$= 19 : (20)^2 :: 24 : (25)^2$$

$$= 19 : 400 :: 24 : 625$$

Q. (38) Three of the following four letters are alike in a certain way and one is different. Pick the odd one out.

1. U
2. I
3. E
4. V

Answer: 4

Solution: All three letters except V are vowels.

Q. (39) Introducing Kavi, Veena said, "She is the sister of the son of the wife of my husband". How is Veena related to Kavi?

1. Sister
2. Daughter
3. Aunt
4. Mother

Answer: 4

Solution: Veena said: son of the wife of my husband i.e., son of Veena

Sister of son of Veena → Veena's daughter

Thus, Veena is the mother of Kavi.

Q. (40) Three of the following four words are alike in a certain way and one is different. Find the odd one out.

1. Stationery
2. Eraser
3. Pen
4. Paper

Answer: 1

Q. (41) Select the option that is related to the third term in the same way as the second term is related to the first term.

FLOWER : UOLDVI :: JASMINE : _____

1. QZGNRMV
2. QZHMRNV
3. QAHNRMV
4. QZHNRMV

Answer: 4

Q. (42) Select the number-pair in which the two numbers are related in the same way as are the two numbers of the given number pair.

11 : 242

1. 15 : 375
2. 5 : 52
3. 8 : 128
4. 9 : 729

Answer: 3

Solution: The given pair is in the following pattern:

$$11 : 11 \times (11 \times 2)$$

$$= 11 : (11 \times 22)$$

$$= 11 : 242$$

$$\text{Therefore, } 15 \times (15 \times 2) = 450 \neq 375$$

$$5 \times (5 \times 2) = 50 \neq 52$$

$$8 \times (8 \times 2) = 128$$

$$9 \times (9 \times 2) = 162 \neq 729$$

Hence, the similar pair is **8 : 128**

Q. (43) Three of the following four numbers are alike in a certain way and one is different. Identify the different one.

1. 8
2. 34
3. 64
4. 16

Answer: 2 (except 34, all are multiples of 8)

Q. (44) Which letter-cluster will replace the question mark (?) in the following series?

CFZ, EGX, HIU, JLS, MPP, ?

1. NTO
2. OTN
3. MSN
4. OUN

Answer: 4

Solution:

First letter: C (+2) E (+3) H (+2) J (+3) M (+2) O

Second letter: F (+1) G (+2) I (+3) L (+4) P (+5) U

Third letter: Z (-2) X (-4) U (-2) S (-4) P (-2) N

Q. (45) Three of the following four word-pairs are alike in a certain way and one is different. Find the odd one out.

1. Carpenter : Saw
2. Warrior : Sword
3. Author : Pen
4. Mason : Knife

Answer: 4

Q. (46) 'Cardiology' is related to 'Heart' in the same way as 'Pathology' is related to:

1. Diseases
2. Man
3. Body
4. Soil

Answer: 1

Q. (47) In a code language, **54831** is coded as **63922**. What will be the code for **86274** in that language?

1. 75365
2. 77185
3. 95365
4. 95185

Answer: 3

Q. (48) Three of the following four options are similar in a certain way and one is different. Find the one that is different.

1. 6 - 36 - 216
2. 10 - 100 - 1000
3. 3 - 6 - 27
4. 5 - 25 - 125

Answer: 3

Solution: The pattern followed is: $x - x^2 - x^3$

Hence, the odd pair is **3 - 6 - 27**

Q. (49) Select the option that is related to the third term in the same way as the second term is related to the first term.

RY : QZ :: HK :

1. GJ
2. GL
3. IL
4. IM

Answer: 2

Q. (50) Three of the following four number-pairs are alike in a certain way and one is different. Identify the different one.

1. 5 : 29
2. 8 : 62
3. 3 : 7
4. 6 : 34

Answer: 1

Solution: The pattern followed is: $x^2 - 2$

Hence, the odd pair is **5 : 29**

