

SSC CPO Mock Test 2

Directions (1-2): What will come in place of question mark (?) in the given questions:

Q 1.

32 36 27 43 18 ?

- A. 45
- B. 34
- C. 54
- D. 12
- E. 33

Q 2.

1 9 25 49 81 ?

- A. 120
- B. 162
- C. 130
- D. 121
- E. 133

Q 3. Ashish bought 100 kg of sugar for Rs 1100 and sold it at a loss of as much money as he received for 20 kg sugar. At what price did he sell the sugar?

- A. Rs 9 per kg
- B. Rs 5 per kg
- C. Rs 9.16 per kg
- D. Rs 10 per kg
- E. Rs 8.34 per kg

Directions (4-5): In the questions given below, two quadratic equations are given. Solve the equations and then answer accordingly:

Q 4:

Equation I: $2x^2 - 4x - 2 = 0$

Equation II: $3y^2 + 5y + 2 = 0$

- A. $x > y$
- B. $y > x$
- C. $x \leq y$
- D. $y \leq x$
- E. $x = y$ or no relation

Q 5.

Equation I: $a^2 - 16 = 0$

Equation II: $b^2 - 3b - 4 = 0$

- A. $a > b$
- B. $b > a$
- C. $a \leq b$
- D. $b \leq a$
- E. $a = b$ or no relation

Directions (6-8): Study the data given in the table and answer the following questions:
The table below gives details about the number of employees working in different multinational companies.

MNC	Number of Employees	Ratio of male: female employees	Number of offices
A	2700	8:7	15
B	2520	7:3	21
C	1760	9:11	11
D	2400	3:2	12
E	2160	5:7	18

Q 6. What is the ratio between the number of female employees working for MNC 'A' to the number of female employees working in MNC 'C'?

- A. 123:11
- B. 12:11
- C. 315:242
- D. 20:9
- E. None of the above

Q 7. What is the average number of offices that all the five MNCs have together?

- A. 12
- B. 13.5
- C. 16.25
- D. 15.4
- E. 12.25

Q 8. What is the ratio between the total employees in MNC 'E' to the total number of employees in MNC 'B'?

- A. 2:3
- B. 6:7
- C. 1:4
- D. 4:5
- E. 1:2

Q 9. What will come in place of question mark (?). Find an approximate value:

$$1883.89 \div 145.01 + 7.01 + (?)^2 = 68.99$$

- A. 5
- B. 4
- C. 6
- D. 9
- E. 7

Directions (10-11): Given below are three statements followed by two conclusions. Based on the given conclusions, mark the correct answer:

Q 10.

Statement I: All guests are hosts

Statement II: Some guests are relatives

Statement III: All relatives are friends

Conclusion I: All guests are friends

Conclusion II: No host being a friend is a possibility

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Both conclusion I and II follow
- D. Either conclusion I or II follow
- E. Neither conclusion I nor II follows

Q 11. **Statement I:** Some red are blue

Statement II: Some blue are green

Statement III: All green are yellow

Conclusion I: At least some red are green

Conclusion II: At least some blue are yellow

- A. Only conclusion I follows
- B. Only conclusion II follows
- C. Both conclusion I and II follow
- D. Either conclusion I or II follow
- E. Neither conclusion I nor II follows

Directions (12-14): Read the information given below and then answer the following questions:

P, Q, R, S, T, V, W and Z are travelling to three destinations Bangalore, Mumbai and Agra in three different vehicle - Ciaz, Swift and Ford. There are three females among the one in each car. There are at least two persons in each car.

R is not travelling with Q and W. T, a male, is travelling with only Z and they are not travelling to Mumbai. P is travelling in Ciaz to Agra. S is the sister of P and travels by Ford. V and R travel together. W does not travel to Mumbai.

Q 12. Which among the given set of people travel to Bangalore?

- A. P, S & T
- B. T, Z & W
- C. V & W
- D. T & Z
- E. T, V & Z

Q 13. Who among the following is travelling by Ford?

- A. V
- B. P
- C. Q
- D. T
- E. Z

Q 14. Which among the given combinations is incorrect?

- A. R-Ciaz-Mumbai
- B. Z-Swift-Bangalore
- C. T-Swift-Mumbai
- D. Q-Ford-Agra
- E. P-Swift-Agra

Q 15. 'SQUARE' is related to 'UQSERA' in the same way what is 'CIRCLE' related to?

- A. ELCRIC
- B. RCLIEC
- C. RICELC
- D. ELRCIC
- E. RIECLC

Directions (16-17): Study the information given below carefully and answer the following questions:

'Pc vc nc' is written as 'winter is cold'

'To nc re' is written as 'summer is hot'

'Re pc bo' written as 'winter is summer'

'Vc th pa' is written as 'nights are cold'

Q 16. What is the code for 'summer'?

- A. Re
- B. Pa
- C. Either 'pc' or 'th'
- D. Bo
- E. Pc

Q 17. What will be the code for 'th'?

- A. Night
- B. Summer
- C. Cold
- D. Are
- E. Either 'night' or 'are'

Q 18. In the word 'NECESSARY', how many such pairs of letters are there, which has as many letters between them as in the English alphabet series?

- A. Two
- B. None
- C. One
- D. Three
- E. Five

Directions (19-20): In the given questions, one word has been given in bold. Choose the option which is the *most similar* in meaning to the given word.

Q 19. **Lurid**

- A. Bright
- B. Pleasant
- C. Startling
- D. Modest

E. Upright

Q 20. **Ambivalent**

- A. Determined
- B. Undoubted
- C. Unquestionable
- D. Hesitant
- E. Definite

Directions (21-22): In the questions given below, one word has been given in bold. Choose the option which is the *most opposite* in meaning to the word given.

Q 21. **Contingent**

- A. Dependent
- B. Casual
- C. Incidental
- D. Planned
- E. Unexpected

Q 22. **Horrendous**

- A. Delightful
- B. Appalling
- C. Hideous
- D. Ghastly
- E. Gruesome

Directions (23-24): Fill in the blanks with the most suitable option given below:

Q 23. It _____ not look like a great deal today, but back then it was a coup; no man before _____ to import tea directly into Ireland.

- A. May, have dared
- B. Might, have dared
- C. May, had dared
- D. May, ever dared
- E. None of the above

Q 24. Not just the absence of _____ but also the presence of _____ and honesty is required to bind up the nation's wound.

- A. Guilt, religion
- B. Love, austerity
- C. Redistribution, camaraderie
- D. Recrimination, insight
- E. Crime, religion

Q 25. In this question, a sentence has been broken down into four smaller fragments. Find the correct order of the fragments in order to make a grammatically correct sentence.

Come into our lives and grow in confidence **(a)** / however we don't need to be enslaved by our anxiety **(b)** / and instead can strengthen our mindful skills **(c)** / to ease our anxious minds, **(d)**

- A. abdc
- B. dcba

- C. dacb
- D. abdc
- E. bcda

Answer Key

Q 1. C	Q 2. D	Q 3. C	Q 4. A	Q 5. E
Q 6. C	Q 7. D	Q 8. B	Q 9. E	Q 10. E
Q 11. B	Q 12. D	Q 13. A	Q 14. B	Q 15. C
Q 16. A	Q 17. E	Q 18. C	Q 19. C	Q 20. D
Q 21. D	Q 22. A	Q 23. C	Q 24. D	Q 25. E

Solutions:

Solution 1:

$$32 \quad 36 \quad 27 \quad 43 \quad 18 \quad ?$$
$$32 + 2^2 = 36$$
$$36 - 3^2 = 27$$
$$27 + 4^2 = 43$$
$$43 - 5^2 = 18$$
$$18 + 6^2 = 54$$

Solution 2:

$$1 \quad 9 \quad 25 \quad 49 \quad 81 \quad ?$$
$$1 + 8 = 9$$
$$9 + 16 = 25$$
$$25 + 24 = 49$$
$$49 + 32 = 81$$
$$81 + 40 = 121$$

Solution 3:

$$\% \text{ loss/profit} = (\text{goods left} / \text{goods sold}) \times 100$$
$$= (20 / 120) \times 100$$
$$= 16.66\%$$

Since, the cost price for Deb is Rs 11
Selling price per kg = Rs. 9.166

Solution 4:

$$\text{Equation I: } 2x^2 - 4x - 2 = 0$$
$$2x^2 - 2x - 2x - 2 = 0$$
$$2x(x-1) - 1(x-1) = 0$$
$$x = 1 / \frac{1}{2}$$

Equation II: $3y^2 + 5y + 2 = 0$

$$3y^2 + 3y + 2y + 2 = 0$$

$$3y(y+1) + 2(y+1) = 0$$

$$y = -1 / -\frac{2}{3}$$

Therefore, $x > y$

Solutions 5:

Equation I: $a^2 - 16 = 0$

$$a = +4 / -4$$

Equation II: $b^2 - 3b - 4 = 0$

$$b^2 - 4b - 1b - 4 = 0$$

$$b(b-4) + 1(b-4)$$

$$b = 4 / -1$$

Since $4 > -1$ and $-4 > 4$

Therefore, no relation can be established

Solution 6:

Number of female employees in MNC 'A' = $(7/15) \times 2700 = 7 \times 180 = 1260$

Number of female employees in MNC 'C' = $(11/20) \times 1760 = 11 \times 88 = 968$

The ratio between female employees from MNC 'A' to MNC 'C' = $1260:968 = 315:242$

Solution 7:

Total number of offices in 5 MNC together = $15 + 21 + 11 + 12 + 18 = 77$

Average = $77/5 = 15.4$

Solution 8:

Total number of employees in MNC 'E' = 2160

Total number of employees in MNC 'B' = 2520

Ratio = $2160:2520 = 6:7$

Solution 9:

$$1884 \div 145 + 7 + (?)^2 = 69$$

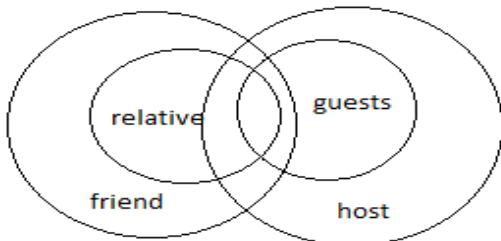
$$13 + 7 + (?)^2 = 69$$

$$(?)^2 = 69 - 20$$

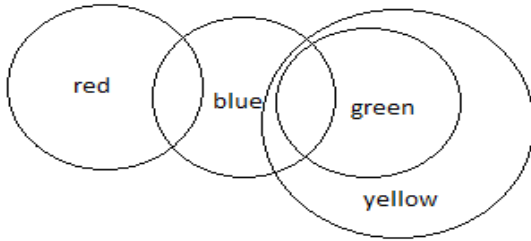
$$(?)^2 = 49$$

$$? = 7$$

Solution 10:



Solution 11:



Solution (12-14):

P	Male	Ciaz	Agra
Q	Male/Female	Ciaz	Agra
R	Male	Ford	Mumbai
S	Female	Ford	Mumbai
T	Male	Swift	Bangalore
V	Male	Ford	Mumbai
W	Male/Female	Ciaz	Agra
Z	Female	Swift	Bangalore

Solution 15:

SQUARE

SQU is written in the backward direction and becomes 'UQS'

ARE is written in the backward direction and becomes 'ERA'

Then the word becomes 'UQSERA'

Similarly,

In the word 'CIRCLE'

'CIR' is written as 'RIC'

'CLE' is written as 'ELC'

The word becomes 'RICELC'

Solution (16-17):

Pc - winter

Vc - cold

Ni - is

To - hot

Re - summer

Bo - and

Th - night/are

Pa - night/ are

Solution 18:

N E C E S S A R Y

