SSC CPO Mock Test - 3

Directions for Q1 - Q2. In the questions given below, two quadratic equations are given. Based on the two equations, choose the correct answer:

Q 1.
Equation I: $x^2+2x-3 = 0$
Equation II: $y^2+y+12 = 0$
- A. x>y
- B. y>x
- C. x ≥ y
- D. x ≤ y
- E. x=y

Q 2.
Equation I: $x^2 + 2x − 8 = 0$
Equation II: $y^2 − 12y + 36=0$
- A. x>y
- B. y>x
- C. x ≥ y
- D. x ≤ y
- E. x=y

Q 3. The wages of labourers in a factory has increased in the ratio 22:25 and their number is decreased in the ratio 3:2. What was the original wage bill of the factory if the present bill is Rs.5000?
- A. Rs.5500
- B. Rs.6200
- C. Rs.6600
- D. Rs.5800
- E. Rs.5400

Q 4. A table and chair are priced at Rs.3000 and Rs.1000, respectively. If the price of the table and the chair is increased by 10% and 20% respectively. What will be the price of 10 tables and 20 chairs?
- A. Rs.57000
- B. Rs.58000
- C. Rs.56500
- D. Rs.57500
- E. Rs.58050

Directions (5-6): Karan's office is 80 km from his house. One day he started from home, an hour later than his usual time of leaving for his office. In order to cover up the delay, he increased his speed by 4kmph and thus reached the office on time. Now answer the following question:

Q 5. What is the final speed of Karan?
- A. 22 kmph
- B. 21 kmph
- C. 30 kmph
- D. 20 kmph
- E. None of the above

Q 6. What is the percentage increase in Karan's speed?
- A. 21%
- B. 23%
- C. 22%
- D. 24%
- E. 25%

Directions (7-8): What will come in place of question mark (?)

Q 7.

3   4   6   10   18   ?
- A. 44
- B. 36
- C. 64
- D. 47
- E. 34

Q 8.

5   9   18   34   59   ?
- A. 100
- B. 95
- C. 88
- D. 152
- E. 72

Q 9. Find the approximate value of the equation given below:

$(23.01 + 16.99) \div 2.001 \times 3.987 - 42.11 + 643.998 = ?$

A. 652
B. 552
C. 682
D. 500
E. 432

Directions (Q.10 - Q.11): Fill in the blanks with the correct words chosen from the alternatives given below.

Q.10 Euphemisms are not, as the younger generation likes to believe, useless_____ for that which can be said rather bluntly; they are like covert agents on an important mission, they , they must diligently pass by a smelly mess with barely so much as a gesture of the head, make their point of constructive criticism and move on in calm_____.

   (a) Shenanigans, impudence
   (b) Verbiage, forbearance
   (c) Machinations, dignity
   (d) Whataboutery, obsidian

Q.11 The sentiment related to Apple offed a perfect study in how_____ and misunderstanding can trump actual knowledge and promote_____ evaluation of a company; when the said company is a focus of worldwide scrutiny and as non communicative about its own plan like the way Apple is, the ramifications are even sharper.

   (a) Deviousness, facade
   (b) Conjecture, duplicitous
   (c) Surmise, facile
   (d) Objurgation, pulchritudinous

Directions (Q.12 - Q.13): The word given below in capitals has been used in different ways. Choose the option corresponding to the sentence where the word has been used incorrectly.

Q.12
LAUGH

   (a) The act concerned over your plight and reply to your queries courteously but you get the feeling that they are laughing off your sleeve.
   (b) The film director was proud of his film but he will laugh out of the other side of his mouth when the censor board will do a hatchet job on the same film of his
   (c) We had the last laugh after the results of sailing competition were announced

(d) For his ridiculous statements regarding the economic issue of the country, the senator was laughed out of the parliament by his peers

Q.13
CUT

(a) The Alani cut a bloody path of destruction and carnage from Dacia to the shores of the Bosphorus.
(b) The enemy of my enemy is your friend, but you should learn one day that it cut both ways
(c) Isabel eloped from home after an altercation with her father: years later, she realized that cut off her nose to spite her face
(d) He wasn't cut off for priesthood

Directions (Q.14 - Q.15): The sentences given in the following questions, when properly sequenced, form a coherent paragraph. Each sentence is labelle with a letter. From among the four choices choose the most logical order of sentences to form a coherent paragraph.

Q.14
(a) The very same writers who lament fragmentation also seek freedom - yet overlook the freedom of those who are bound together in totalistic relationships
(b) Before lamenting modularization, it is necessary to ask whether we would really prefer to the traditional condition of man in which each individual is presumed to be related to the whole personality of a few people rather than to the personality modules of may.
(c) The more intimately involved in a relationship, the greater the parties exert on one another to fulfill these exceptions
(d) Traditional man has been so sentimentalized so cloyingly romanticized , that we frequently overlook the consequences of such a return
(e) For any relationship implies mutual demands and expectations

(A) ceabd (B) badec (C) aecdb (D) baced

Q.15
(a) The new forms of entanglement are a consequence of migratory processes, as well as material and immaterial worldwide communications systems, along with economic interdependencies and dependencies.
(b) Today's cultures are extremely interconnected with each other
(c) It is here, of course that question of power comes in
(d) The way of life for an economist, an academic is no longer Spanish or Russian, but European and global in nature
(e) Lifestyle no longer end at the borders of national cultures but go beyond these and are the same way in other cultures

(A) bedac (B) baced (C) adebc (D) ebacd

Q.16 In the question below, there are five sentences or parts of sentences that form a paragraph. Identify the sentences or parts of sentences that is/are correct in terms of grammar and usage. Then choose the correct option.

(a) Protection of digital rights and freedoms is a driving issue for people under 40, and it cuts across partisan and ideological lines
(b) Its an open question whether these make political action on this question easier or hard. On the one hand, this is one of very few areas.
(c) Where one could imagine bipartisan cooperation taking place in Congress at the moment. On the other hand, no politician.
(d) Needs to worry about being voted out of office regarding this issue, as it is difficult to translate your feelings on this issue through votes
(e) At Netroots Nation last weekend, Nancy Pelosi was booed at by young, digitally conscious left wingers for failing to support Mr. Snowden.

(A) B and e (B) a, c and d (C) Only c (D) b and c

Directions (Q. 17- 19): Each questions below is provided with a statement followed by two assumptions is numbered I and II. An assumption is something supposed or taken for granted, You have to consider the statement and the assumptions and decide which of the assumptions is implicit in the statement. Mark you answer as

(a) If only assumption (I) is implicit
(b) If only assumption (II) is implicit
(c) If either (I) or (II) is implicit
(d) If neither (I) nor (II) is implicit
(e) If both (I) and (II) are implicit

Q.17
Statements:
The members of the Apartment Welfare Association have requested residents to use electricity sparingly to help them combat power outages.

Assumption:
  I.   Wastage of resources is not advisable
  II.   Most of the residents are more likely to follow the instruction

Q.18

Statements:
John's father warns him, "If you are trouble me, I will punish you".

Assumption:
I. John stops troubling his father after the warning.
II. All children are mischievous

Q.19
Statement:
The NPE stresses major changes in the education system

Assumption:
I. Currently follow education system is inconsistent with national needs.
II. The current education system needs change.

Directions (Q. 20- 22): Study the following information to answer the question below:

In a certain cryptic language

'Bank for my conductor' is written as 'yari vi pa'.

'For conductor is my' is written as 'ri vi pa da'

'My computers is yours' is written as 'da vi pi du'

'It yours tablet' is written as 'yu du ca'.

Q.20 Which of the following is the code for 'conductor'?

(a) Da (b) ri (c) ya (d) pa (e) ri or pa

Q.22 Which of the following may represent 'ya pi du'?

(a) My computer table
(b) yours computer bank
(c) yours tablet bank
(d) computer for bank
(e) my tablet conductor

Q. 23 What does the code 'pa' stand for?

(a) For

(b) Conductor

(c) My

(d) Bank

(e) None of these

Find the common word in the following sentences:

Bank for my conductor - ya ri vi pa

For conductor is my - ri vi pa da

My computers is yours - da vi pi du

It yours tablet - yu du ca

After finding the common word in the following sentences, list them down with their respective code:

Word   Code

Bank   ya
For   ri or pa
My   vi
Conductor   ri or pa
Is   da
Computers pi
Yours   du
It   'yu' or 'ca'
Tablet   ;yu; or 'ca'

Directions (Q. 23- 26): Following are the steps of an input. Rearrange them and answer the questions.

   (a) mettle   offed   archaic bleach kettle
   (b) archaic bleach kettle mettle offed
   (c) kettle mettle offed archaic bleach
   (d) offed archaic bleach kettle mettle
   (e) kettle mettle bleach offed archaic

Q.23 Which of the following is step III?

(a) A
(b) B
(c) C
(d) D
(e) E

Q.24 Which of the following is the first from the right end of step II?

(a) Barrage
(b) Kettle
(c) Mettle
(d) Bleach
(e) None of these

Q.25 Which of the following is step V?

(a) A
(b) B
(c) C
(d) D
(e) E

Answer Key

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

Solutions

Solution 1:

Equation I: $x^2+2x-3 = 0$
$x^2+3x-x-3 = 0$
$x(x+3) - 1(x+3) = 0$

x =1 / -3
Equation II: $y^2+y+12 = 0$
$y^2+4y+3y+12 = 0$
$y(y+4) + 3(y+4) = 0$
y =-3 / -4

Solution 2:

Equation I: $x^2 + 2x - 8 = 0$
$x^2 + 4x - 2x - 8 = 0$
$x(x+4) - 2(x+4) = 0$
x= 2 / -4
Equation II: $y^2 - 12y + 36=0$
$y^2 - 6y - 6y + 36=0$
$y (y-6) - 6 (y-6) = 0$
y= 6

Solution 3:
Let the initial wage = 22x
Final wage = 25x
Let the initial labourers = 3y
Final labourers = 2y
Final bill = 25x × 2y = 5000
xy = 100
Hence, the original wage bill = 22x × 3y = 66xy = Rs.6600

Solution 4:
Price of a table after 10% increase = 3000 + 300 = 3300
Price of a chair after 20% increase = 1000 + (20% of 1000) = 1200
Cost of 10 tables and 20 chairs = 10 × 3300 + 20 × 1200 = Rs.57000

Solution 5:
Let's assume the initial speed of Karan is x kmph
Now after increasing his speed by 4 kmph his final speed = x+4 kmph
According to the question:
(80/x) - [80/(x+4)] = 1
$x^2 + 4x - 320 = 0$
(x-16) (x+20) = 0
x = 16 kmph
Final speed = 16 + 4 = 20 kmph

Solution 6:

Percentage change in speed
= [(20-16) / 16] × 100
= 25%

Solution 7:
3 + 1 = 4
4 + 2 = 6
6 + 4 = 10
10 + 8 = 18
18 + 16 = 34

Solution 8:
$5 + 2^2 = 9$
$9 + 3^2 = 18$
$18 + 4^2 = 34$
$34 + 5^2 = 59$
$59 + 6^2 = 95$

Solution 9:
(23.01 + 16.99) ÷ 2.001 × 3.987 – 42.11 + 643.998 = ?
40 ÷ 2 × 4 – 42 + 644 = ?
20 × 4 – 42 + 644 = ?
80 – 42 + 644 = ?
? = 682

Solution 10: 'Verbiage' means overabundance or superfluity of words, while 'forbearance' is the only word which collocates with the word 'calm' and fits right into the context.

Solution 11: The sentence is telling us how Apple, as a multinational company is uncommunicative, which allows us to infer that analysts have to rely on guesswork to decide its future positions and strategies. Thus 'surmise' can be filled in the first blank. The 2nd black can be filled with 'facile' as it means ignoring the true complexities of the issue.

Solution 12: Choice (a) is incorrect The correct idiom here is 'laugh up your sleeve' or 'laugh in your sleeve'. The rest of the usage is correct.

Solution 13: Answer (d) has the incorrect usage of the word 'cut'. The correct sentence should be 'He wasn't cut out for priesthood.

Solution 14: The paragraph refers to the thinking of Spencer and Marx. Despite their intellectual differences had similar ideological leaning. Taking this into account choice (c) is the most logical way to arrange the sentences

Solution 15: Statement 'b' introduces the topic. Statement 'e' extends the thought that lifestyles overlap in different cultures. Statement 'd' is more specific about lifestyles and exemplifies statement 'e'. Statement 'a' then follows with the explanation of why entanglements result. Statement 'c' concludes the paragraph. Choice 'b' is incorrect as it cannot come before statement 'e'. Thus choice 'c' - bedac' is the right choice.

Solution 16: Option C is the most appropriate answer as it contains no grammatical error.

Solution (17): (a) Only assumption (I) is implicit. Assumption (II) is incorrect as the response of the residents cannot be deduced from the statement given.

Solution (18): (a) Only assumption (I) is implicit because John stops troubling his father after the warning.

Solution (19): (e) If major changes are being stressed it must be assumed that the present education system needs a major overhaul. Thus (I) is implicit. On the other hand, if (I) is implicit, (II) is also implicit because it correlates with each other.

Solution 20: (e) 'Conductor will be coded as either 'ri' or 'pa'

Solution 21: (b) 'ya pu di' will represent 'yours computer bank'

Solution 22: (e) So, 'pa' stands for either 'for' or 'conductor'

Solution: The words are are arranged by moving them in alphabetical order from right to left.

Step I: kettle mettle bleach offed archaic

Step II: kettle mettle offed archaic bleach

Step III: mettle offed archaic bleach kettle

Step IV: offed archaic bleach kettle mettle

Step V: archaic bleach kettle mettle offed

23. (a) Step III in the above arrangement "mettle offed archaic bleach kettle"

24. (b) Step II in the above arrangement is "kettle mettle offed archaic bleach"

25. (d) Step V in the above arrangement is "archaic bleach kettle mettle offed"