

# SSC CGL 2022 TIER 1 December 2, 2022 SHIFT 2 QUESTION PAPER

Exam Date	02/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : General Intelligence and Reasoning

**Q.1** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(11,13,143)

(17, 11, 187)

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

- Ans
- 1. (3, 4, 7)
  - 2. (3, 4, 13)
  - 3. (3, 4, 12)
  - 4. (3, 4, 1)

Question ID : 26433087182  
Status : Answered  
Chosen Option : 3

**Q.2** In a certain code language, 'GOLF' is coded as '44' and 'BALL' is coded as '31'. How will 'PLAY' be coded in that language?

- Ans
- 1. 60
  - 2. 58
  - 3. 62
  - 4. 56

Question ID : 26433067335  
Status : Answered  
Chosen Option : 2

Q.3 Three different positions of the same dice are shown (figures 1 to 3). Find the number on the face opposite to the face having '1'.

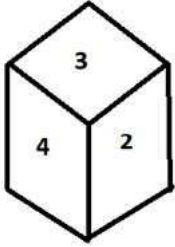


figure 1

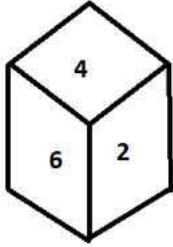


figure 2

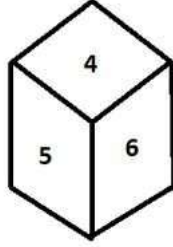


figure 3

- Ans
- 1. 3
  - 2. 6
  - 3. 5
  - 4. 4

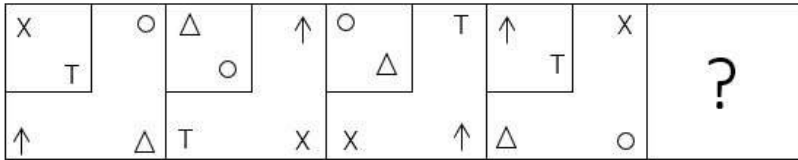
Question ID : 26433070245

Status : Answered

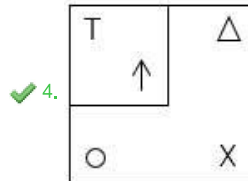
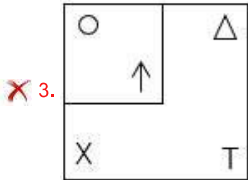
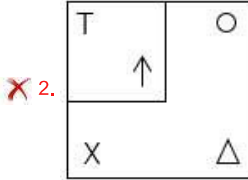
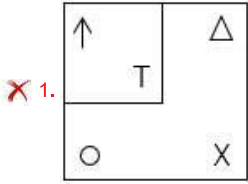
Chosen Option : 4

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Q.4 Which figure should replace the question mark (?) if the series were to be continued?



Ans



Question ID : 26433076651  
 Status : Not Answered  
 Chosen Option : --

Q.5 After interchanging the given two numbers and two signs what will be the values of equation (I) and (II) respectively?

- + and ×, 5 and 4  
 I.  $4 + 6 \times 5 - 7 \div 1$   
 II.  $5 \times 3 - 4 + 8 \div 2$

- Ans
- ✗ 1. -9, -8
  - ✗ 2. 30, -13
  - ✗ 3. 20, 6
  - ✓ 4. 27, -13

Question ID : 264330105150  
 Status : Answered  
 Chosen Option : 4

Q.6 Select the correct combination of mathematical signs to sequentially replace the \* signs and balance the given equation.  
 $99 * 33 * 66 * 22 * 44 * 50$

- Ans
- 1. ÷, +, ×, +, =
  - 2. +, -, ÷, -, =
  - 3. ÷, +, +, +, =
  - 4. ÷, -, +, ×, =

Question ID : 26433068679  
Status : Not Answered  
Chosen Option : --

Q.7 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does NOT belong to that group?

- Ans
- 1. EVS
  - 2. IRP
  - 3. VEB
  - 4. GTQ

Question ID : 26433069007  
Status : Answered  
Chosen Option : 2

Q.8 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Fustian
2. Funerary
3. Fusion
4. Funicular
5. Fuscous
6. Fundament
7. Fuselage

- Ans
- 1. 6, 2, 5, 7, 3, 4, 1
  - 2. 6, 2, 5, 7, 4, 1, 3
  - 3. 6, 2, 4, 5, 7, 3, 1
  - 4. 6, 2, 5, 4, 7, 3, 1

Question ID : 26433068929  
Status : Answered  
Chosen Option : 3

Q.9 A + B means 'A is the father of B'  
A - B means 'A is the mother of B'  
A % B means 'A is the brother of B'  
A & B means 'A is the son of B'  
If A + B & C - D + E, then how is A related to E?

- Ans
- 1. Father's brother
  - 2. Father
  - 3. Brother
  - 4. Father's father

Question ID : 26433059903  
Status : Answered  
Chosen Option : 4

Q.10 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



Ans

- ✗ 1.
- ✗ 2.
- ✓ 3.
- ✗ 4.

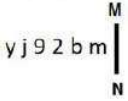
Question ID : 26433068910  
Status : Answered  
Chosen Option : 3

Q.11 उस शब्द-युग्म का चयन कीजिए, जो ठीक उसी संबंध का निरूपण करता हो, जो संबंध दिए गए इस शब्द-युग्म में अभिव्यक्त है।  
(शब्दों को अर्थपूर्ण शब्दों के रूप में माना जाना चाहिए और शब्द के अक्षरों की संख्या/व्यंजनों की संख्या/स्वरों की संख्या के आधार पर परस्पर संबंधित नहीं होना चाहिए)  
हंसिनी : हंस

- Ans ✗ 1. वयस्क : शिशु
- ✓ 2. जादूगरनी : जादूगर
- ✗ 3. बरगद : पेड़
- ✗ 4. सुअर : सुअर का बच्चा

Question ID : 26433068424  
Status : Answered  
Chosen Option : 2

Q.12 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.



- Ans ✗ 1. w p z 6 j y
- ✗ 2. m b s e j y
- ✗ 3. m b s 9 j y
- ✓ 4. m d s e j y

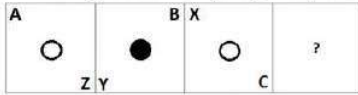
Question ID : 26433068204  
Status : Answered  
Chosen Option : 4

Q.13 Which of the following letter-clusters will replace the question mark (?) in the given series?  
LAT, NDR, PGP, ?, TML

- Ans
- 1. SKO
  - 2. RKN
  - 3. SJO
  - 4. RJN

Question ID : 26433057987  
Status : Answered  
Chosen Option : 4

Q.14 Select the figure from among the given options that can replace the question mark (?) in the following series:



Ans

- 1.
- 2.
- 3.
- 4.

Question ID : 26433057855  
Status : Answered  
Chosen Option : 3

Q.15 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.  
CONTROL : NOCTRLO :: MISTAKE : SIMTAEK :: JOURNAL : ?

- Ans
- 1. AOUNRJL
  - 2. OJRLAUN
  - 3. JRNAOUL
  - 4. UOJRNLA

Question ID : 26433069025  
Status : Answered  
Chosen Option : 4

Q.16 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(15, 9, 4)

(7, 2, 3)

Ans  1. (21, 12, 6)

2. (19, 13, 4)

3. (24, 9, 11)

4. (18, 7, 7)

Question ID : 26433070238

Status : Not Answered

Chosen Option : --

Q.17 Select the odd group of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans  1. (6 – 60 – 50)

2. (7 – 70 – 68)

3. (8 – 80 – 70)

4. (9 – 90 – 80)

Question ID : 264330105085

Status : Answered

Chosen Option : 2

Q.18 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some grasses are trees.

Some trees are branches.

Some branches are dogs.

Conclusions:

I. Some grasses are branches.

II. Some trees are dogs.

III. Some grasses are dogs.

IV. Some branches are grasses.

Ans  1. None of the conclusions follow

2. Only conclusions II and III follow

3. Only conclusions III and IV follow

4. Only conclusions I and II follow

Question ID : 26433068556

Status : Answered

Chosen Option : 1

Q.19 By interchanging the given two signs and numbers which of the following equation will be correct?  
× and +, 9 and 6

- Ans  1.  $7 \times 6 \div 3 + 9 - 8 = 17$   
 2.  $6 \times 8 - 9 + 3 + 5 = 50$   
 3.  $7 + 6 \times 4 + 9 - 8 = 8$   
 4.  $9 \times 7 + 4 + 1 - 6 = 7$

Question ID : 264330105135  
Status : Not Answered  
Chosen Option : --

Q.20 In the following question, select the missing number from the given series.  
345, 356, 368, 381, 395, ?

- Ans  1. 409  
 2. 408  
 3. 406  
 4. 410

Question ID : 264330105011  
Status : Answered  
Chosen Option : 4

Q.21 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
DMT, JOB, PQJ, VSR, ?

- Ans  1. BZY  
 2. ZYM  
 3. BUZ  
 4. BZM

Question ID : 264330104801  
Status : Answered  
Chosen Option : 3

Q.22 In a certain code language, 'DENTIST' is written as 'CDMSHRS' and 'TOOTH' is written as 'SNNSG', how will 'HEALING' be written in that language?

- Ans  1. IFBMJOH  
 2. GDZMJOH  
 3. IFBKHMF  
 4. GDZKHMF

Question ID : 26433067762  
Status : Answered  
Chosen Option : 4



Q.23 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. All A are H.

II. No B is A.

Conclusion:

I. Some A are not B.

II. No B is H.

- Ans
- 1. Only conclusion II follows
  - 2. Both conclusions I and II follows
  - 3. Neither conclusion follows
  - 4. Only conclusion I follows

Question ID : 264330104924

Status : Answered

Chosen Option : 4

Q.24 If  $A + B$  means that A is the father of B,  $A \times B$  means that A is the mother of B,  $A + B$  means that A is the brother of B then which of the following expression shows that Q is the daughter of P?

- Ans
- 1.  $P + Q \times R$
  - 2.  $P + Q + R$
  - 3.  $P \times Q + R$
  - 4.  $P + Q + R$

Question ID : 264330104990

Status : Answered

Chosen Option : 1

Q.25 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.  
 $21 : 196 :: 29 : ? :: 38 : 315$

- Ans
- 1. 319
  - 2. 252
  - 3. 203
  - 4. 841

Question ID : 26433068378

Status : Not Answered

Chosen Option : --

Section : General Awareness

Q.1 Bimbavati Devi is an exponent of which Indian dance form?

- Ans
- 1. Chhau
  - 2. Manipuri
  - 3. Kathakali
  - 4. Odissi

Question ID : 26433054326

Status : Not Answered

Chosen Option : --

Q.2 It is the duty of every citizen to uphold and protect the \_\_\_\_\_, unity and integrity of India.

- Ans
- 1. autonomy
  - 2. authority
  - 3. sovereignty
  - 4. privacy

Question ID : 26433086782  
Status : Answered  
Chosen Option : 3

Q.3 Which of the following statements about the Vice President of India is INCORRECT?

- Ans
- 1. Members of State legislatures do not take part in his elections.
  - 2. He acts as the ex-officio Chairman of the Rajya Sabha.
  - 3. The Vice President is elected for five years.
  - 4. He can be removed from his office by the President approved through a resolution passed by the Lok Sabha and Rajya Sabha.

Question ID : 26433074847  
Status : Answered  
Chosen Option : 4

Q.4 The Kuchipudi classical dance is accompanied with which type of music?

- Ans
- 1. Kajri
  - 2. Chaiti
  - 3. Carnatic Music
  - 4. Hindustani Music

Question ID : 26433064644  
Status : Answered  
Chosen Option : 3

Q.5 Which Indian budget introduced a statement highlighting the gender sensitivities of the budgetary allocations?

- Ans
- 1. 2008-09
  - 2. 2010-11
  - 3. 2005-06
  - 4. 2001-02

Question ID : 264330105390  
Status : Not Answered  
Chosen Option : --

Q.6 According to Union Health Ministry, a new display image, with a warning written as "Tobacco causes painful death" will be printed on tobacco products manufactured, imported, or packaged on or after \_\_\_\_\_.

- Ans
- 1. 1 January, 2023
  - 2. 1 February, 2023
  - 3. 1 November, 2022
  - 4. 1 December, 2022

Question ID : 264330105234  
Status : Not Answered  
Chosen Option : --

Q.7 Ishwarchandra vidyasagar set up school for girls at \_\_\_\_\_.

- Ans
- 1. Bombay
  - 2. Surat
  - 3. Lahore
  - 4. Calcutta

Question ID : 264330105582  
Status : Answered  
Chosen Option : 4

Q.8 The proposed Rowlett Act of 1919 allowed detention of political prisoners without trial for\_\_\_\_\_.

- Ans
- 1. two years
  - 2. six months
  - 3. two months
  - 4. one year

Question ID : 26433085266  
Status : Answered  
Chosen Option : 1

Q.9 Which of the following is correctly matched?

- Ans
- 1. Kaal Baisakhi - Autumn winds
  - 2. Trade winds - Winter snow storm
  - 3. Loo - Hot wind
  - 4. Loo - Winter stormy winds

Question ID : 26433071445  
Status : Answered  
Chosen Option : 3

Q.10 The scheme, "Bahini", aims at providing 100 percent access to free and safe sanitary pads to secondary and senior secondary school going girls. This scheme was launched by which state government?

- Ans
- 1. Bihar
  - 2. Sikkim
  - 3. Arunachal Pradesh
  - 4. Assam

Question ID : 264330105262  
Status : Answered  
Chosen Option : 3

Q.11 The Competition (Amendment) Bill, 2022 proposes to reduce the timeline for the CCI to pass an order on transactions from 210 days to \_\_\_\_\_ days.

- Ans
- 1. 140
  - 2. 180
  - 3. 150
  - 4. 190

Question ID : 264330105233  
Status : Not Answered  
Chosen Option : --

Q.12 At present, the Grand Trunk Road extends from \_\_\_\_\_ in India.

- Ans
- 1. Kashmir to Kanyakumari
  - 2. Amritsar to Kolkata
  - 3. Chennai to Kolkata
  - 4. Agra to Kolkata

Question ID : 26433089224  
Status : Answered  
Chosen Option : 2

Q.13 What is the average circumference of the standard cricket ball in international cricket?

- Ans
- 1. 7.89 inches - 8.45 inches
  - 2. 10.46 inches - 10.90 inches
  - 3. 9.45 inches - 10.20 inches
  - 4. 8.81 inches - 9 inches

Question ID : 26433070838  
Status : Not Answered  
Chosen Option : --

Q.14 Which of the following festivals is known as Vijaya Utsav?

- Ans
- 1. Hampi Festival
  - 2. Gangasagar Mela
  - 3. Pushkar Fair
  - 4. Konark Dance Festival

Question ID : 26433071694  
Status : Answered  
Chosen Option : 3

Q.15 The type of forests located in mid latitudinal coastal region is \_\_\_\_\_.

- Ans
- 1. Tropical rainforest
  - 2. Mediterranean vegetation
  - 3. Monsoon forest
  - 4. Temperate evergreen forest

Question ID : 264330105639  
Status : Answered  
Chosen Option : 2

Q.16 When did Prime Minister, Narendra Modi integrate selected fitness enthusiasts of the country in the first session of 'Fit India Dialogue' as a part of the 'Fit India Movement'?

- Ans
- 1. 24 September 2019
  - 2. 24 September 2018
  - 3. 24 September 2020
  - 4. 24 September 2021

Question ID : 26433059383  
Status : Not Answered  
Chosen Option : --

Q.17 Which of the following is the most important festival celebrated by the Muslim community in India to mark the beginning of the Islamic New Year?

- Ans
- 1. Milad-Un-Nabi
  - 2. Muharram
  - 3. Idu'l Zuha
  - 4. Idu'l Fitr

Question ID : 26433072643  
Status : Answered  
Chosen Option : 1

Q.18 In which of the following years was the Treaty of Salbai signed?

- Ans
- 1. 1817
  - 2. 1769
  - 3. 1800
  - 4. 1782

Question ID : 26433089145  
Status : Answered  
Chosen Option : 2

Q.19 Limestone, chalk and marble are different forms of \_\_\_\_\_.

- Ans
- 1. Calcium phosphate
  - 2. Calcium hydroxide
  - 3. Calcium oxide
  - 4. Calcium carbonate

Question ID : 264330105479  
Status : Answered  
Chosen Option : 2

Q.20 Which of the following is NOT correct regarding king Harshavardhana?

- Ans
- 1. Harshavardhana ruled nearly about 1400 years ago
  - 2. Xuan Zang spent a lot of time at Harsha's court
  - 3. Harshavardhana's court poet was Harishena
  - 4. Harshacharita is a biography written on Harshavardhana

Question ID : 264330105195  
Status : Answered  
Chosen Option : 3

Q.21 For the first time the objective of self-reliance was incorporated in the \_\_\_\_ Five-Year Plan.

- Ans
- 1. third
  - 2. second
  - 3. fifth
  - 4. first

Question ID : 26433065459  
Status : Not Answered  
Chosen Option : --

Q.22 Productivity of an ecosystem is composed of which of the following?

- Ans
- 1. Gross productivity and primary productivity
  - 2. Primary and secondary productivity
  - 3. Net productivity and consumption
  - 4. Net primary productivity and gross primary productivity

Question ID : 26433086752  
Status : Not Answered  
Chosen Option : --

Q.23 How does hydrochloric acid help in facilitating the action of pepsin?

- Ans
- 1. Hydrochloric acid creates an acidic medium which facilitates the action of the enzyme pepsin.
  - 2. Hydrochloric acid helps break down pepsin.
  - 3. Hydrochloric acid creates an alkaline medium which facilitates the action of the enzyme pepsin.
  - 4. Hydrochloric acid creates a basic medium which facilitates the action of the enzyme pepsin.

Question ID : 26433064756  
Status : Answered  
Chosen Option : 2

Q.24 In 1979, who shared the Nobel Prize with Georg Wittig for their 'development of the use of boron- and phosphorus-containing compounds, respectively, into important reagents in organic synthesis'?

- Ans
- 1. Herbert C Brown
  - 2. Arne Tiselius
  - 3. Henry Taube
  - 4. Emil Fischer

Question ID : 26433064073  
Status : Not Answered  
Chosen Option : --

Q.25 According to census 2011, the male literacy rate in India is \_\_\_\_\_.

- Ans
- 1. 81.14 percent
  - 2. 82.14 percent
  - 3. 84.14 percent
  - 4. 83.14 percent

Question ID : 264330105531  
Status : Not Answered  
Chosen Option : --

Q.1 In an election between two candidates, the defeated candidate secured 42% of the valid votes polled and lost the election by 7,68,400 votes. If 82,560 votes were declared invalid and 20% people did NOT cast their vote, then the invalid votes were what percentage (rounded off to 1 decimal place) of the votes which people did NOT cast?

- Ans
- 1. 10.6 Percent
  - 2. 9.8 Percent
  - 3. 12.9 Percent
  - 4. 6.8 Percent

Question ID : 26433063201  
Status : Not Answered  
Chosen Option : --

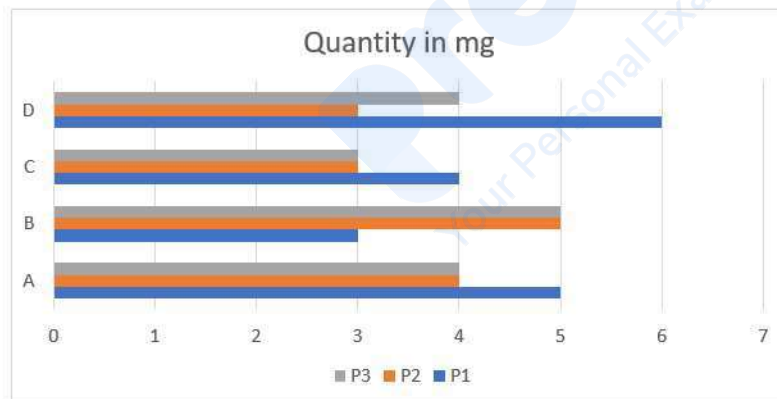
Q.2 If the side of an equilateral triangle is 24 cm, then what is its area?

- Ans
- 1.  $169\sqrt{3} \text{ cm}^2$
  - 2.  $125\sqrt{3} \text{ cm}^2$
  - 3.  $256\sqrt{3} \text{ cm}^2$
  - 4.  $144\sqrt{3} \text{ cm}^2$

Question ID : 264330105822  
Status : Answered  
Chosen Option : 4

Q.3 Study the following chart and answer the question that follows.

The chart shows the quantity of substances (P1, P2, P3) in different drugs (A, B, C, D).



Which substance is/are most used in terms of quantity in all drugs?

- Ans
- 1. P1 and P3
  - 2. P3
  - 3. P2
  - 4. P1

Question ID : 26433085473  
Status : Answered  
Chosen Option : 2

Q.4 Find the weighted arithmetic mean of the first 'n' natural numbers, the weights being the corresponding numbers.

Ans  1.  $\frac{\{n(n+1)(2n+1)\}}{6}$

2.  $\frac{\{n(n+1)\}}{2}$

3.  $\frac{(2n+1)}{3}$

4. n

Question ID : 26433073120

Status : Answered

Chosen Option : 1

Q.5 A district has 10,24,000 inhabitants. If the population increases at the rate 2.5% per annum, find the number of inhabitants at the end of three years.

Ans  1. 11,20,736

2. 11,02,736

3. 10,75,840

4. 10,64,850

Question ID : 26433092149

Status : Answered

Chosen Option : 2

Q.6 A takes twice as much time as B and thrice as much time as C to finalise a task. Working together, they can complete the task in 8 days. The time (in days) taken by A, B and C, respectively, to complete the task is:

Ans  1. 42, 21, 14

2. 60, 30, 20

3. 54, 27, 18

4. 48, 24, 16

Question ID : 26433075568

Status : Answered

Chosen Option : 4

Q.7

Simplify  $\frac{x^2+2x+y^2}{x^3-5x^2}$  if  $x + \frac{y^2}{x} = 5$ .

Ans  1.  $\frac{5}{y^2}$

2.  $\frac{7}{y^2}$

3.  $-\frac{5}{y^2}$

4.  $-\frac{7}{y^2}$

Question ID : 26433080256

Status : Not Answered

Chosen Option : --



Q.8 If the diameter of a hemisphere is 28 cm, then what is the volume of hemisphere?

- Ans  1. 5749.33 cm<sup>3</sup>  
 2. 6349.22 cm<sup>3</sup>  
 3. 6728.11 cm<sup>3</sup>  
 4. 5124.44 cm<sup>3</sup>

Question ID : 264330105848  
Status : Answered  
Chosen Option : 1

Q.9 If  $a + b = 5$  and  $ab = 6$ , then find  $3(a^2 + b^2)$ .

- Ans  1. 39  
 2. 48  
 3. 26  
 4. 13

Question ID : 26433075268  
Status : Answered  
Chosen Option : 1

Q.10 In  $\triangle ABC$ ,  $AB = AC$ ,  $O$  is a point on  $BC$  such that  $BO = CO$  and  $OD$  is perpendicular to  $AB$  and  $OE$  is perpendicular to  $AC$ . If  $\angle BOD = 60^\circ$ , then measure of  $\angle AOE$  is:

- Ans  1.  $120^\circ$   
 2.  $60^\circ$   
 3.  $30^\circ$   
 4.  $90^\circ$

Question ID : 26433075401  
Status : Answered  
Chosen Option : 1

Q.11 The reduction of 20% in the price of rice enables a person to obtain 50 kg more for Rs.450. Find the original price of rice per kg.

- Ans  1. Rs.1  
 2. Rs.2  
 3. Rs.1.25  
 4. Rs.2.25

Question ID : 26433065067  
Status : Answered  
Chosen Option : 4

Q.12 The surface area of a cube is  $864 \text{ cm}^2$ . The volume of the cube is \_\_\_\_\_.

- Ans  1.  $1728 \text{ cm}^3$   
 2.  $2197 \text{ cm}^3$   
 3.  $1331 \text{ cm}^3$   
 4.  $729 \text{ cm}^3$

Question ID : 26433063978  
Status : Answered  
Chosen Option : 1

Q.13 In a class of students, the first student has 2 toffees, second has 4 toffees, third has 6 toffees and so on. If the number of students in the class is 25, then the total number of toffees are divisible by \_\_\_\_\_.

- Ans
- 1. 5 and 7
  - 2. 5 and 13
  - 3. 11 and 13
  - 4. 7 and 11

Question ID : 26433071240  
Status : Answered  
Chosen Option : 2

Q.14 A laptop is sold for ₹65,520 after a discount of 25%. What was the marked price of the laptop?

- Ans
- 1. ₹87,630
  - 2. ₹87,360
  - 3. ₹87,370
  - 4. ₹83,760

Question ID : 26433076179  
Status : Answered  
Chosen Option : 2

Q.15 What will be the least number which when doubled will be exactly divisible by 15, 18, 25 and 32?

- Ans
- 1. 3600
  - 2. 7200
  - 3. 6400
  - 4. 3200

Question ID : 26433074256  
Status : Answered  
Chosen Option : 1

Q.16 The distance covered by a train in  $(5y - 1)$  hours is  $(125y^3 - 1)$  km. The speed of the train is:

- Ans
- 1.  $(5y^3 - 1)$  km/h
  - 2.  $(25y^2 - 5y + 1)$  km/h
  - 3.  $(5y + 1)$  km/h
  - 4.  $(25y^2 + 5y + 1)$  km/h

Question ID : 26433062679  
Status : Answered  
Chosen Option : 4

Q.17 The sides of a triangle are in the ratio 4 : 6 : 8. The triangle is a/an:

- Ans
- 1. isosceles triangle
  - 2. obtuse-angled
  - 3. acute-angled
  - 4. right-angled

Question ID : 26433075009

Status : Answered

Chosen Option : 2

Q.18 The table given below shows the marks obtained by six students in two subjects.

Students	Subject	
	P	Q
A	150	200
B	160	180
C	200	300
D	120	400
E	300	570
F	100	220

If the maximum marks for subject P is 900 then what percentage of marks are obtained by A in subject P?

- Ans
- 1. 125.5 percent
  - 2. 16.67 percent
  - 3. 9.09 percent
  - 4. 11.11 percent

Question ID : 264330105709

Status : Answered

Chosen Option : 2

Q.19 In  $\triangle ABC$ , right-angled at B,  $AB = 7$  cm and  $AC - BC = 1$  cm. Find the value of  $\sin C$ .

- Ans
- 1.  $\frac{3}{7}$
  - 2.  $\frac{12}{13}$
  - 3.  $\frac{3}{25}$
  - 4.  $\frac{7}{25}$

Question ID : 26433057161

Status : Answered

Chosen Option : 4

Q.20 In a 400-metre race, A runs at a speed of 16 m/sec. If A gives B a start of 15 metres and still beats him by 10 sec, then what is the speed of B?

- Ans
- ✓ 1. 11 m/sec
  - ✗ 2. 10 m/sec
  - ✗ 3. 13 m/sec
  - ✗ 4. 9 m/sec

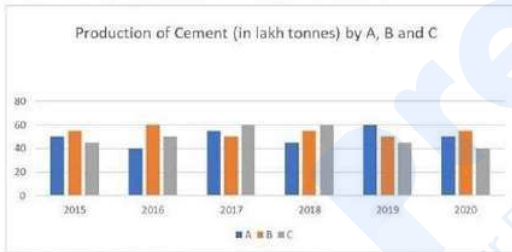
Question ID : 26433080227  
Status : Not Answered  
Chosen Option : --

Q.21 If  $\sin \theta + \cos \theta = \sqrt{5} \sin(90^\circ - \theta)$ , find the value of  $\cot \theta$ .

- Ans
- ✗ 1.  $\frac{\sqrt{5}-1}{5}$
  - ✓ 2.  $\frac{\sqrt{5}+1}{4}$
  - ✗ 3.  $\frac{\sqrt{5}+1}{3}$
  - ✗ 4.  $\frac{\sqrt{5}-1}{4}$

Question ID : 26433061768  
Status : Answered  
Chosen Option : 2

Q.22 Study the given graph and answer the question that follows.



The total production of Company A in 2016 and 2019 together is what percentage of the total production of Company C in 2017 and 2018 together?

- Ans
- ✗ 1. 20%
  - ✓ 2. 83.33%
  - ✗ 3. 120%
  - ✗ 4. 5%

Question ID : 26433076216  
Status : Answered  
Chosen Option : 2

Q.23 The table given below shows the number of workers working in 5 different factories.

Factories	Workers
J	25
K	30
L	70
M	80
N	15

What is the total number of workers working in all factories?

- Ans
- 1. 180
  - 2. 240
  - 3. 250
  - 4. 220

Question ID : 264330105726

Status : Answered

Chosen Option : 4

Q.24 A, B, C and D share a property worth Rs.93,100. If A : B = 1 : 2, B : C = 3 : 4 and C : D = 5 : 6, then find the share of C.

- Ans
- 1. Rs.34,000
  - 2. Rs.28,000
  - 3. Rs.25,000
  - 4. Rs.31,000

Question ID : 26433063786

Status : Answered

Chosen Option : 2

Q.25 If  $\operatorname{cosec}A - \cot A = \frac{1}{4}$ , then the value of  $\tan A$  is:

- Ans
- 1.  $\frac{8}{15}$
  - 2.  $\frac{8}{17}$
  - 3.  $\frac{15}{17}$
  - 4.  $\frac{17}{15}$

Question ID : 26433075832

Status : Answered

Chosen Option : 1

Q.1 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.  
Solomon always refers in the dictionary for clearing doubts about words.

- Ans
- 1. on the dictionary
  - 2. No substitution
  - 3. to the dictionary
  - 4. with the dictionary

Question ID : 26433089275  
Status : Answered  
Chosen Option : 3

Q.2 In the given sentence the underlined word may have been incorrectly spelt. Identify the option that rectifies the spelling. If there is no error in spelling, select 'No error'.

Siraz-ud-Daula beseiged Calcutta to take punitive actions against the East India Company.

- Ans
- 1. besiezed
  - 2. besiejed
  - 3. besieged
  - 4. No error

Question ID : 26433058640  
Status : Answered  
Chosen Option : 1

Q.3 In the given sentence the underlined word may have been incorrectly spelt. Identify the option that rectifies the spelling. If there is no error in spelling, select 'No error'.

The adoloscent period of life, one of the most difficult stages of development, is known as the period of stress and storm.

- Ans
- 1. adelescent
  - 2. adolescent
  - 3. adeloscent
  - 4. No error

Question ID : 26433058641  
Status : Answered  
Chosen Option : 2

Q.4 Select the option that expresses the given sentence in passive voice.

Mandeep has repaired the truck.

- Ans
- 1. The truck have been repaired by Mandeep.
  - 2. The truck had been repaired by Mandeep.
  - 3. The truck is been repaired by Mandeep.
  - 4. The truck has been repaired by Mandeep.

Question ID : 26433093525  
Status : Answered  
Chosen Option : 4

Q.5 Select the option that can be used as a one-word substitute for the underlined group of words.

The man supervising the exam had a huge moustache.

- Ans
- 1. Examiner
  - 2. Curator
  - 3. Controller
  - 4. Invigilator

Question ID : 26433088617  
Status : Answered  
Chosen Option : 4

Q.6 Rearrange the parts of the sentence in correct order.

A single uranium

P. pencil eraser, contains the same energy

Q. pellet, slightly larger than a

R. as a ton of coal, 3 barrels of oil

S. or 17,000 cubic feet of natural gas

- Ans
- 1. PRSQ
  - 2. RSPQ
  - 3. QPRS
  - 4. RPQS

Question ID : 264330104671  
Status : Not Answered  
Chosen Option : --

Q.7 Select the correct direct form of the given sentence.

Mr. Sharma asked him if Maya had invited him for lunch.

- Ans
- 1. Mr. Sharma said to him, "Has Maya invited you for lunch?"
  - 2. Mr. Sharma said to me, "Has Maya invited you for lunch?"
  - 3. Mr. Sharma said to him, "Had Maya invited us for lunch?"
  - 4. Mr. Sharma said to him, "Did Maya invited us for lunch?"

Question ID : 264330104637  
Status : Answered  
Chosen Option : 1

Q.8 Select the most appropriate synonym of the underlined word in the following sentence.

Listening to the news of his father's illness, Soumen left for home with a heavy heart.

- Ans
- 1. disturbance
  - 2. sickness
  - 3. disintegration
  - 4. disorder

Question ID : 26433070647  
Status : Answered  
Chosen Option : 2

Q.9 Select the option that expresses the given sentence in active voice.

The jewel thief was punished by the judge.

- Ans
- 1. Punishment had been given to jewel thief.
  - 2. The police had punished the jewel thief.
  - 3. The judge punished the jewel thief.
  - 4. Punishment was given to jewel thief.

Question ID : 26433088556  
Status : Answered  
Chosen Option : 3

Q.10 Select the most appropriate option to fill in the blank.

The little boy demanded colourful balloons, ribbons in the village fair. When the father didn't pay heed to his demands, the boy made a \_\_\_\_\_.

- Ans
- 1. cloven hoof
  - 2. wry face
  - 3. a far cry
  - 4. jaundiced eye

Question ID : 26433070546  
Status : Answered  
Chosen Option : 2

Q.11 Select the most appropriate synonym of the underlined word.

The present paper throws light on the nexus between the academic performance and mental health of children.

- Ans
- 1. Dispute
  - 2. Alignment
  - 3. Link
  - 4. Incongruence

Question ID : 26433070508  
Status : Answered  
Chosen Option : 3

Q.12 Select the most appropriate option to fill in the blank and complete the collocation.

Every time my boss comes up with some good idea, he gets into \_\_\_\_\_.

- Ans
- 1. trouble
  - 2. fun
  - 3. sleep
  - 4. shock

Question ID : 26433073566  
Status : Answered  
Chosen Option : 2



Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

One of my friends is gone to Goa for a holiday.

- Ans  1. has gone  
 2. are gone  
 3. gone  
 4. were gone

Question ID : 26433081307  
Status : Answered  
Chosen Option : 1

Q.14 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Neither the doctors nor / the nurse were present / when the patient / reached the hospital.

- Ans  1. Neither the doctors nor  
 2. the nurse were present  
 3. when the patient  
 4. reached the hospital.

Question ID : 26433088156  
Status : Answered  
Chosen Option : 2

Q.15 Select the most appropriate option to fill in the blank.

Although I have a good job, I wish to take the \_\_\_\_\_ of starting my own business.

- Ans  1. back  
 2. seat  
 3. look  
 4. risk

Question ID : 26433089030  
Status : Answered  
Chosen Option : 4

Q.16 Select the most appropriate synonym of the bracketed word to fill in the blank.

If we want to progress, we must sometimes embrace \_\_\_\_\_ (mutate).

- Ans  1. replicate  
 2. imitate  
 3. change  
 4. incise

Question ID : 26433060687  
Status : Answered  
Chosen Option : 3

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

Finally, here are a few examples of passages and their précis.

- Ans
- 1. by passages and their précis
  - 2. of passages and there précis
  - 3. of passages and there precis
  - 4. No substitution

Question ID : 26433073399  
Status : Answered  
Chosen Option : 4

Q.18 The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P. As a boy Elon was a keen reader and learnt how to code computers.  
Q. He even made his own video game called Blaster.  
R. Later he moved to Canada and then the United States setting up his first company with his brother Kimbal in 1995.  
S. But after some time, he sold that company to create a company called X.com.

- Ans
- 1. RPSQ
  - 2. PRSQ
  - 3. SQRP
  - 4. PQRS

Question ID : 264330104707  
Status : Answered  
Chosen Option : 4

Q.19 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Mr. Raghav racked his brain, but couldn't think where he had left the book.

- Ans
- 1. thought very hard
  - 2. had a series of consecutive thoughts
  - 3. knew it, but couldn't quite remember it
  - 4. thought he had heard something before

Question ID : 26433071893  
Status : Answered  
Chosen Option : 1

Q.20 Select the most appropriate ANTONYM of the underlined word.  
The recent disaster of unprecedented floods in June 2013 in the state of Uttarakhand devastated many towns and villages on the banks of the rivers Bhagirathi, Pindar, Mandakini, Alaknanda and Sarju.

- Ans
- 1. Lacklustre
  - 2. Tarnished
  - 3. Familiar
  - 4. Deranged

Question ID : 26433061564  
Status : Answered  
Chosen Option : 3

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Tattooing is a talent that requires a lot of time and (1)\_\_\_\_\_. There are many various kinds and (2)\_\_\_\_\_ of tattooing. Tattooing was and still is a means to communicate someone's thoughts or life by permanently (3)\_\_\_\_\_ a design of ink and colour into their flesh. The first step in tattooing is to develop an artistic (4)\_\_\_\_\_ and the skill to sketch and create your artwork. Tattooing penmanship is far more (5)\_\_\_\_\_ than sketching on paper.

**SubQuestion No : 21****Q.21 Select the most appropriate answer to fill in blank 1.**

- Ans  1. integrity  
 2. capacity  
 3. liability  
 4. ability

Question ID : 26433084874

Status : Answered

Chosen Option : 4

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Tattooing is a talent that requires a lot of time and (1)\_\_\_\_\_. There are many various kinds and (2)\_\_\_\_\_ of tattooing. Tattooing was and still is a means to communicate someone's thoughts or life by permanently (3)\_\_\_\_\_ a design of ink and colour into their flesh. The first step in tattooing is to develop an artistic (4)\_\_\_\_\_ and the skill to sketch and create your artwork. Tattooing penmanship is far more (5)\_\_\_\_\_ than sketching on paper.

**SubQuestion No : 22****Q.22 Select the most appropriate answer to fill in blank 2.**

- Ans  1. views  
 2. genres  
 3. keys  
 4. gestures

Question ID : 26433084875

Status : Answered

Chosen Option : 2

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Tattooing is a talent that requires a lot of time and (1)\_\_\_\_\_. There are many various kinds and (2)\_\_\_\_\_ of tattooing. Tattooing was and still is a means to communicate someone's thoughts or life by permanently (3)\_\_\_\_\_ a design of ink and colour into their flesh. The first step in tattooing is to develop an artistic (4)\_\_\_\_\_ and the skill to sketch and create your artwork. Tattooing penmanship is far more (5)\_\_\_\_\_ than sketching on paper.

**SubQuestion No : 23****Q.23 Select the most appropriate answer to fill in blank 3.**

- Ans  1. detaching  
 2. embedding  
 3. combining  
 4. fertilising

Question ID : 26433084876

Status : Answered

Chosen Option : 2

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Tattooing is a talent that requires a lot of time and (1)\_\_\_\_\_. There are many various kinds and (2)\_\_\_\_\_ of tattooing. Tattooing was and still is a means to communicate someone's thoughts or life by permanently (3)\_\_\_\_\_ a design of ink and colour into their flesh. The first step in tattooing is to develop an artistic (4)\_\_\_\_\_ and the skill to sketch and create your artwork. Tattooing penmanship is far more (5)\_\_\_\_\_ than sketching on paper.

**SubQuestion No : 24**

**Q.24** Select the most appropriate answer to fill in blank 4.

- Ans  1. glimpse  
 2. drama  
 3. attitude  
 4. career

Question ID : 26433084877

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Tattooing is a talent that requires a lot of time and (1)\_\_\_\_\_. There are many various kinds and (2)\_\_\_\_\_ of tattooing. Tattooing was and still is a means to communicate someone's thoughts or life by permanently (3)\_\_\_\_\_ a design of ink and colour into their flesh. The first step in tattooing is to develop an artistic (4)\_\_\_\_\_ and the skill to sketch and create your artwork. Tattooing penmanship is far more (5)\_\_\_\_\_ than sketching on paper.

**SubQuestion No : 25**

**Q.25** Select the most appropriate answer to fill in blank 5.

- Ans  1. aggravated  
 2. confiscated  
 3. complicated  
 4. authenticated

Question ID : 26433084878

Status : Answered

Chosen Option : 3