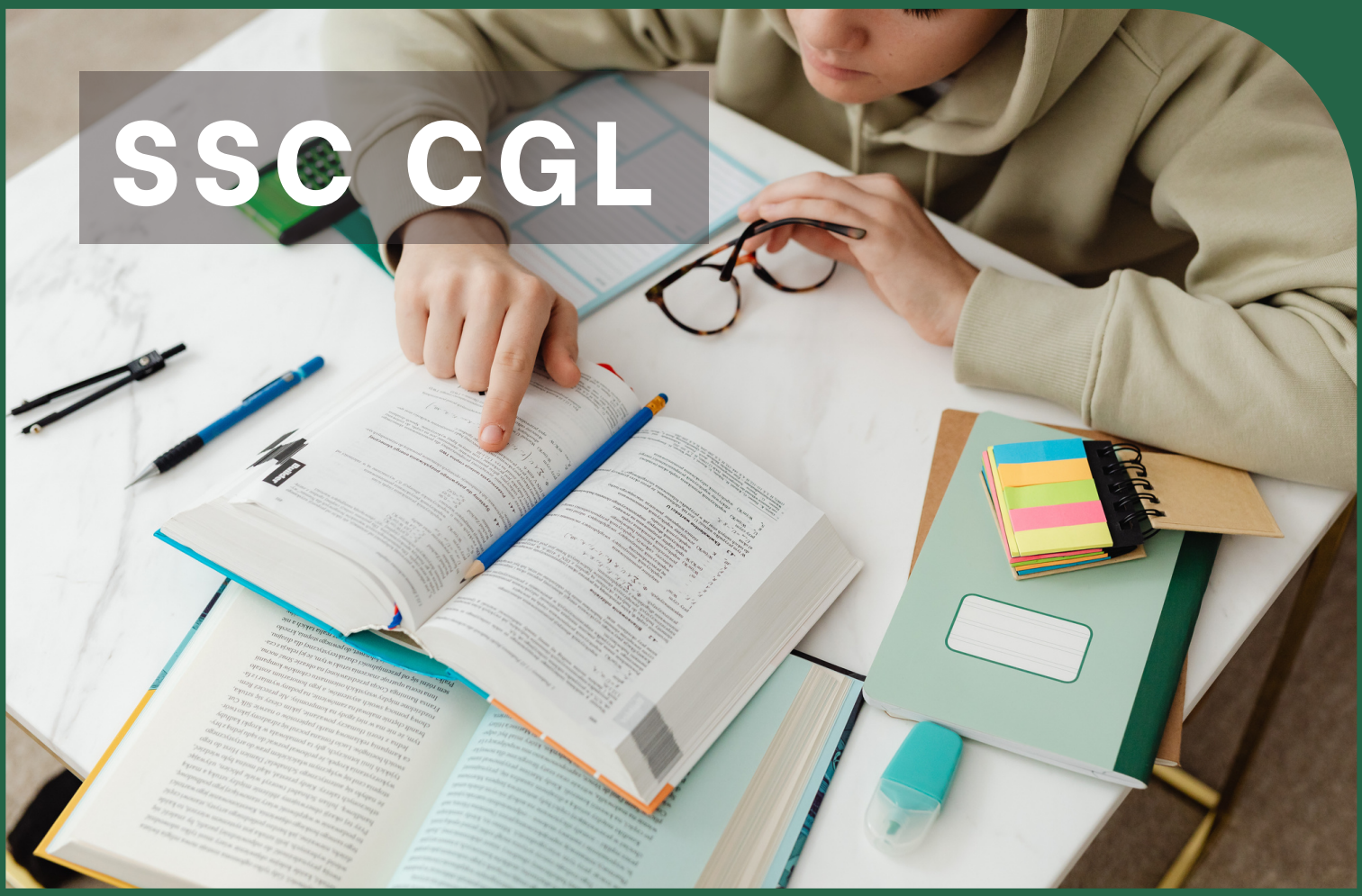


Question Paper

Staff Selection Commission
Combined Graduated Level
Examination

Prepared by:
aglasem.com

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Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	Adhya Infotech
Exam Date	03/12/2022
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 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'.

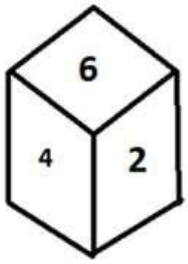


figure 1

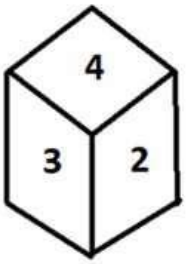


figure 2

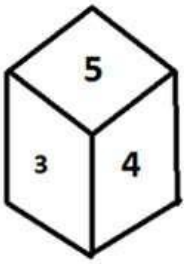


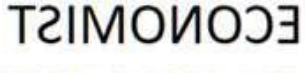
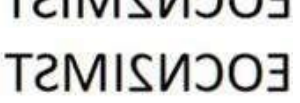
figure 3

Ans
✗ 1. 6
✓ 2. 4
✗ 3. 5
✗ 4. 3

Question ID : **26433070246**
Status : **Answered**
Chosen Option : **2**

Q.2
Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.

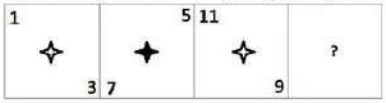


Ans
✓ 1. 
2. 
3. 
4. 

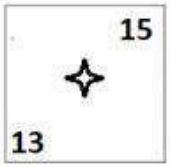
Question ID : **26433067821**
Status : **Answered**
Chosen Option : **1**

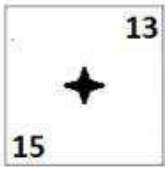
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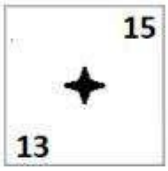
Q.3 Select the figure from among the given options that can replace the question mark (?) in the following series.

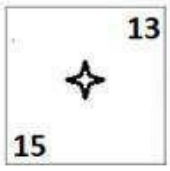


Ans

✗ 1.


✗ 2.


✓ 3.


✗ 4.


Question ID : **26433057858**
Status : **Answered**
Chosen Option : **3**

Q.4 In a certain code language, 'MOBILE' is written as 'PRELOH' and 'SILENT' is written as 'VLOHQW', how will 'PAINTING' be written in that language?

Ans
✗ 1. SDLQVKPI
✓ 2. SDLQWLQJ
✗ 3. RCKPWLQJ
✗ 4. RCKPVKPI

Question ID : **26433067770**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits.)
(36, 90, 18)
(15, 35, 8)

Ans
✓ 1. (14, 45, 5)
✗ 2. (14, 42, 7)
✗ 3. (13, 78, 6)
✗ 4. (12, 60, 8)

Question ID : **26433069244**
Status : **Not Answered**
Chosen Option : **--**

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Q.6 If P + Q means that P is the mother of Q, P ÷ Q means that P is the father of Q, P – Q means that P is the sister of Q, then which of the following expression shows that A is the maternal grandfather of C?

Ans
✗ 1. B ÷ A + C
✗ 2. A – B ÷ C
✗ 3. A + B ÷ C
✓ 4. A ÷ B + C

Question ID : **264330104959**
Status : **Answered**
Chosen Option : **4**

Q.7 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.
ROAR : QZNQ :: HEAR : QZDG :: DAMP : ?

Ans
✗ 1. MPAD
✓ 2. OLZC
✗ 3. BCOA
✗ 4. PMAD

Question ID : **26433056403**
Status : **Answered**
Chosen Option : **2**

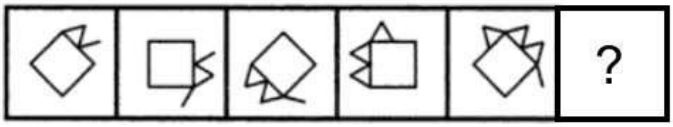
Q.8 By Interchanging the given two numbers which of the following equation will be not correct?
5 and 9

Ans
✗ 1. 9 × 4 + 5 – 8 ÷ 2 = 25
✓ 2. 9 – 5 × 4 + 6 ÷ 3 = –30
✗ 3. 9 + 7 × 8 ÷ 4 – 5 = 10
✗ 4. 9 – 4 × 5 + 6 ÷ 2 = –28

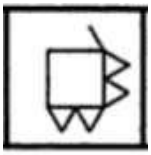
Question ID : **264330105106**
Status : **Answered**
Chosen Option : **2**

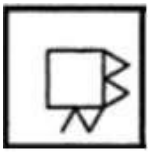
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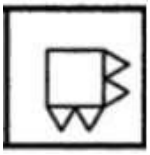
Q.9 Select the figure from among the given options that can replace the question mark (?) in the following series.

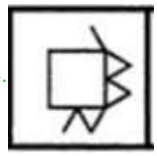


Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **26433080515**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.10 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
(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)
(452, 50, 63)
(260, 35, 30)

Ans
✗ 1. (330, 30, 45)
✗ 2. (260, 30, 25)
✓ 3. (260, 50, 15)
✗ 4. (230, 15, 45)

Question ID : **26433076473**
Status : **Answered**
Chosen Option : **3**

Q.11 **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. CGB
✗ 2. FYI
✗ 3. RKU
✗ 4. KDN

Question ID : **26433081507**
Status : **Answered**
Chosen Option : **1**

Q.12 **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)
(12, 42, 7)
(13, 52, 8)

Ans
✗ 1. (8, 7, 43)
✗ 2. (7, 12, 6)
✗ 3. (9, 26, 8)
✓ 4. (9, 18, 4)

Question ID : **26433079123**
Status : **Answered**
Chosen Option : **4**

Q.13 **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.**
WINDOW : XFOELX :: TICKET : UFDLBU :: REGION : ?

Ans
✓ 1. SBHFLO
✗ 2. SHFKLO
✗ 3. BHFDLO
✗ 4. HFSOKL

Question ID : **26433069021**
Status : **Answered**
Chosen Option : **1**

Q.14 **Which of the following letter-clusters will replace the question mark (?) in the given series?**
DAJ, GEL, JIN, MMP, ?

Ans
✗ 1. PRS
✗ 2. QPU
✗ 3. QRT
✓ 4. PQR

Question ID : **26433057992**
Status : **Answered**
Chosen Option : **4**

Q.15 **Which two signs and two numbers should be interchanged in the following equation to make it correct?**
14 × 6 ÷ 12 + 15 − 9 = 203

Ans
✓ 1. 15 , 6 , + , ÷
✗ 2. 12 , 15 , − , ×
✗ 3. 12 , 9 , ÷ , −
✗ 4. 14 , 6 , ÷ , ×

Question ID : **26433085359**
Status : **Answered**
Chosen Option : **1**

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Q.16 Read the given statement(s) 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 statement(s).
Statements:
Some bulbs are switches.
No switch is a vase.
All fans are switches.
Conclusions:
I. Some bulbs being fans is a possibility.
II. No fan is a vase.
III. All switches are fans.
IV. No bulb is a vase.

Ans
✗ 1. Only Conclusions II and III follow
✓ 2. Only Conclusions I and II follow
✗ 3. Only Conclusions I, II and IV follow
✗ 4. Only Conclusion I follows

Question ID : **26433070345**
Status : **Answered**
Chosen Option : **2**

Q.17 A # B means 'A is the mother of B'.
A @ B means 'A is the son of B'.
A & B means 'A is the brother of B'.
A % B means 'A is the wife of B'.
If W # Q @ T & Y @ M % K, then how is K related to W?

Ans
✗ 1. Father
✓ 2. Father-in-law
✗ 3. Brother-in-law
✗ 4. Brother

Question ID : **26433068150**
Status : **Answered**
Chosen Option : **2**

Q.18 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. Some W are F.
II. Some R are F.
Conclusion:
I. Some R are not W.
II. No W is R.

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

Question ID : **264330104915**
Status : **Answered**
Chosen Option : **4**

Q.19 In a certain code language, 'BREAK' is written as '2182111' and 'COLOUR' is written as '34124518'. How will 'TRING' be written in that language?

Ans
✗ 1. 20181347
✗ 2. 20189147
✓ 3. 20183147
✗ 4. 20183174

Question ID : **26433067574**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
20 * 2 * 50 * 5 * 115

Ans
✗ 1. –, ×, =, +
✗ 2. +, ×, =, –
✓ 3. +, ×, –, =
✗ 4. –, ×, +, =

Question ID : **26433068570**
Status : **Answered**
Chosen Option : **3**

Q.21 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1- Expensive
2- Expedition
3- Experience
4- Expel
5- Expenditure

Ans
✓ 1. 2, 4, 5, 1, 3
✗ 2. 2, 4, 5, 3, 1
✗ 3. 5, 2, 1, 4, 3
✗ 4. 4, 2, 5, 1, 3

Question ID : **26433079453**
Status : **Answered**
Chosen Option : **1**

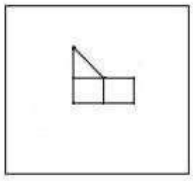
Q.22 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
RMTS, WGAK, BAHC, GUOU, ?

Ans
✗ 1. LMNO
✓ 2. LOVM
✗ 3. LOVQ
✗ 4. LMNQ

Question ID : **264330104828**
Status : **Answered**
Chosen Option : **2**

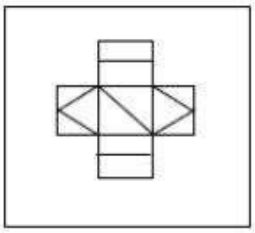
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Q.23 Select the option in which the given figure is embedded (rotation is NOT allowed).

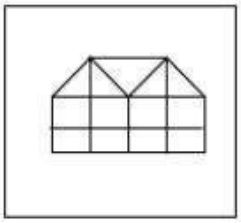


Ans

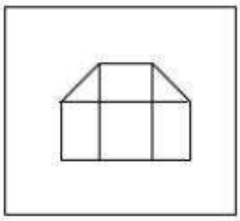
✗ 1.



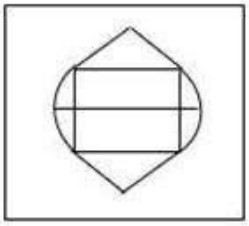
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433068618**
Status : **Answered**
Chosen Option : **2**

Q.24 **In the following question, select the missing number from the given series.**
1, 22, 44, 67, 91, ?

Ans

✓ 1. 116

✗ 2. 106

✗ 3. 115

✗ 4. 118

Question ID : **264330105013**
Status : **Answered**
Chosen Option : **1**

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Q.25 In the following question, four number pairs are given. In each pair the number on left side of (–) is related to the number of the right side of (–) with some Logic/Rule/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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. 7 – 71
✗ 2. 11 – 111
✗ 3. 8 – 81
✓ 4. 12 – 167

Question ID : **264330105064**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 Any natural mass of mineral matter that makes up the earth's crust is_____.

Ans
✗ 1. Garbage
✓ 2. Rock
✗ 3. Stone
✗ 4. Fossil

Question ID : **264330105641**
Status : **Answered**
Chosen Option : **4**

Q.2 Rajashree Shirke was given which of the following prestigious dance awards of 2013 for her excellence in Kathak?

Ans
✓ 1. Sangeet Natak Academy Award
✗ 2. Padma Shri
✗ 3. Kalidas Samman
✗ 4. National Film Award

Question ID : **26433074835**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Who was the captain of the Indian hockey men's team at Olympic 2020?

Ans
✓ 1. Manpreet Singh
✗ 2. Amit Rohidas
✗ 3. Sreejesh Ravindran
✗ 4. Krishan B Pathak

Question ID : **26433071542**
Status : **Answered**
Chosen Option : **1**

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Q.4 An exponent of Hindustani classical music, Gangubai Hangal was an eminent singer to have hailed from the_____gharana of the Hindustani Khyal family.

Ans
✗ 1. Patiala
✓ 2. Kirana
✗ 3. Agra
✗ 4. Gwalior

Question ID : **26433054477**
Status : **Not Answered**
Chosen Option : **--**

Q.5 If we deduct depreciation from GNP the measure of aggregate income that we obtain is called_____.

Ans
✗ 1. Gross Domestic Product at market prices
✗ 2. Gross Domestic Product
✓ 3. Net National Product
✗ 4. Personal income

Question ID : **264330105362**
Status : **Answered**
Chosen Option : **3**

Q.6 The chemical formula of borax is_____.

Ans
1. $Na_2B_5O_7.10H_2O$
2. $Na_2B_4O_7.10H_2O$
3. $Na_2B_4O_7.5H_2O$
4. $Na_2B_4O_7.12H_2O$

Question ID : **26433066459**
Status : **Answered**
Chosen Option : **3**

Q.7 OYO partnered with the Jammu and Kashmir administration to launch a rural tourism initiative. What this initiative is called?

Ans
✗ 1. Weaving a Better Future
✓ 2. Crown of Incredible India
✗ 3. Shared Planet
✗ 4. United India

Question ID : **264330105291**
Status : **Answered**
Chosen Option : **3**

Q.8 Chief Minister Shramik Kalyan Prakalp scheme was launched by Amit Shah for women of_____.

Ans
✗ 1. Bihar
✓ 2. Tripura
✗ 3. Haryana
✗ 4. Jharkhand

Question ID : **264330105271**
Status : **Not Answered**
Chosen Option : **--**

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Q.9 Players that stop dribbling in handball have to pass or shot within:

Ans
✗ 1. 5 second
✗ 2. 30 second
✗ 3. 10 second
✓ 4. 3 second

Question ID : **26433064284**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which of the following sequence is correct with respect to the Delhi Dynasties?

Ans
✗ 1. Khalji dynasty, Lodi dynasty, Sayyid dynasty
✗ 2. Tughluq dynasty, Khalji dynasty, Sayyid dynasty
✗ 3. Early Turkish Rulers, Rajput dynasties, Khalji dynasty
✓ 4. Rajput dynasties, Khalji dynasty, Tughluq dynasty

Question ID : **264330105420**
Status : **Answered**
Chosen Option : **2**

Q.11 Which of the following is NOT a classification of E-Commerce?

Ans
✗ 1. B2C (Business-to-Consumer)
✓ 2. D2D (Distributor-to-Distributor)
✗ 3. C2C (Consumer-to-Consumer)
✗ 4. B2B (Business-to-Business)

Question ID : **26433064520**
Status : **Answered**
Chosen Option : **3**

Q.12_____takes oath as new Meghalaya Governor in October 2022.

Ans
✓ 1. B.D. Mishra
✗ 2. A K Anil Kumar
✗ 3. Prashant Kumar
✗ 4. Sunil Barthwal

Question ID : **264330105339**
Status : **Answered**
Chosen Option : **1**

Q.13 There are_____main types of cell division.

Ans
✗ 1. 4
✓ 2. 2
✗ 3. 3
✗ 4. 5

Question ID : **264330105450**
Status : **Answered**
Chosen Option : **2**

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Q.14 The first session of Indian National congress was held at_____.

Ans
✔ 1. Bombay
✘ 2. Madras
✘ 3. Calcutta
✘ 4. Surat

Question ID : **264330105563**
Status : **Answered**
Chosen Option : **1**

Q.15 An electric current is expressed by a unit called_____.

Ans
✘ 1. meter
✔ 2. ampere
✘ 3. watt
✘ 4. joule

Question ID : **26433066453**
Status : **Answered**
Chosen Option : **2**

Q.16 How thick is the lithosphere?

Ans
✘ 1. 25 to 45 kilometres
✘ 2. 10 to 25 kilometres
✔ 3. 10 to 200 kilometres
✘ 4. 5 to 10 kilometres

Question ID : **26433064463**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.17 Who among the following is related to the musical instrument Santoor?

Ans
✔ 1. Pandit Shivkumar Sharma
✘ 2. Pandit Ravishankar Prasad
✘ 3. Pandit Hariprasad Chaurasia
✘ 4. Pandit Jasraj

Question ID : **26433074114**
Status : **Answered**
Chosen Option : **1**

Q.18 Chemical formula of magnesium oxide is_____.

Ans
✘ 1. $MgCO^3$
✘ 2. MgO^2
✔ 3. MgO
✘ 4. $Mg(OH)^2$

Question ID : **264330105472**
Status : **Answered**
Chosen Option : **3**

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Q.19 The Constitution forbids employment of children below the age of_____years in dangerous jobs like factories and mines.

Ans
✗ 1. 15
✓ 2. 14
✗ 3. 16
✗ 4. 18

Question ID : **26433064829**
Status : **Answered**
Chosen Option : **2**

Q.20 Which of the following is not a natural fibre?

Ans
✗ 1. Linen
✗ 2. Cotton
✓ 3. Rayon
✗ 4. Jute

Question ID : **264330105618**
Status : **Answered**
Chosen Option : **3**

Q.21 Which of the following statements is NOT correct with reference to the election of the President of India?

Ans
✗ 1. He/She is indirectly elected by the elected MLAs and MPs.
✗ 2. The President is elected for a period of five years.
✓ 3. All doubts and disputes in connection with the President's election can be inquiredinto and decided by both the Supreme Court and the High Courts.
✗ 4. The election takes place in accordance with the principle of proportionalrepresentation.

Question ID : **26433072914**
Status : **Answered**
Chosen Option : **3**

Q.22 Which of the following is celebrated as the New Year in Tamil Nadu?

Ans
✗ 1. Pongal
✓ 2. Puthandu
✗ 3. Ugadi
✗ 4. Onam

Question ID : **26433071697**
Status : **Answered**
Chosen Option : **2**

Q.23 In the early eleventh century, the Chola king Rajendra I built a Shiva temple and filled it with a Sun-pedestal seized from the_____.

Ans
✗ 1. Palas
✗ 2. Vakatakas
✓ 3. Chalukyas
✗ 4. Kalingas

Question ID : **264330105439**
Status : **Not Answered**
Chosen Option : **--**

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Q.24 Which of the following offices was NOT held by the poet Harishena?

Ans
✗ 1. Sandhi-vigrahika
✗ 2. Maha-danda-nayaka
✓ 3. Nagara-shreshthi
✗ 4. Kumar-amatya

Question ID : **264330105198**
Status : **Not Answered**
Chosen Option : **--**

Q.25_____is found in association with rocks composed of calcium carbonates?

Ans
✓ 1. Limestone
✗ 2. Gold
✗ 3. Iron
✗ 4. Diamond

Question ID : **264330105500**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 A car starts from point A towards point B, travelling at the speed of 20 km/h. $1\frac{1}{2}$ hours later, another car starts from point A and travelling at the speed of 30 km/h and reaches $2\frac{1}{2}$ hours before the first car. Find the distance between A and B.

Ans
✗ 1. 300 km
✓ 2. 240 km
✗ 3. 260 km
✗ 4. 280 km

Question ID : **26433076046**
Status : **Answered**
Chosen Option : **2**

Q.2 The difference between a discount of 25% and two successive discounts of 15% and 10% on a certain bill was ₹25. Find the amount of the bill.

Ans
✗ 1. ₹3,333.33
2. ₹2,500
3. ₹833.33
✓ 4. ₹1,666.67

Question ID : **26433076182**
Status : **Answered**
Chosen Option : **4**

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Q.3 A trader has a weighing balance that shows 1300 g for a kg. He further marks up his cost price by 15%. The net profit percentage is:

Ans
✗ 1. 48.5%
✓ 2. 49.5%
✗ 3. 50%
✗ 4. 45%

Question ID : **26433063474**
Status : **Answered**
Chosen Option : **2**

Q.4 The nearest number which is greater to 87501, and is completely divisible by 765 is :

Ans
✗ 1. 88975
✓ 2. 87975
✗ 3. 87966
✗ 4. 87775

Question ID : **26433074220**
Status : **Answered**
Chosen Option : **2**

Q.5

Simplify: $\frac{\cos A}{1+\tan A} - \frac{\sin A}{1+\cot A}$

Ans
✗ 1. tanA
✓ 2. cosA – sinA
✗ 3. cosA.sinA
✗ 4. cosA + sinA

Question ID : **26433066241**
Status : **Answered**
Chosen Option : **2**

Q.6 In triangle ABC, the bisector of angle BAC cuts the side BC at D. If AB = 10 cm, and AC = 14 cm, then what is BD : BC ?

Ans
✗ 1. 10 : 7
✓ 2. 5 : 7
✗ 3. 7 : 5
✗ 4. 7 : 10

Question ID : **264330105830**
Status : **Answered**
Chosen Option : **3**

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Q.7 The table given below shows the number of people in different states.

States	Number of people
A	174
B	200
C	144
D	195
E	280

What is the ratio of number of people in state C to the number of people in state E?

Ans
✗ 1. 31 : 17
✗ 2. 35 : 18
✓ 3. 18 : 35
✗ 4. 17 : 29

Question ID : **264330105743**
Status : **Answered**
Chosen Option : **3**

Q.8 ₹5,000 is divided into two parts such that if one part is invested at 4% and the other at 5%, then the whole annual interest from both the sums is ₹223. How much was invested at 4%?

Ans
✗ 1. ₹2,600
2. ₹2,700
✗ 3. ₹2,400
4. ₹2,300

Question ID : **26433082615**
Status : **Answered**
Chosen Option : **2**

Q.9 The table given below shows the number of truck sold by six companies.

Companies	Truck
J	40
K	60
L	80
M	110
N	120
O	80

Number of trucks sold by L are what percent of number of trucks sold by J?

Ans
✗ 1. 100 percent
✗ 2. 250 percent
✓ 3. 200 percent
✗ 4. 150 percent

Question ID : **264330105715**
Status : **Answered**
Chosen Option : **3**

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Q.10 If the volume of a sphere is 24,416.64 cm^3, find its surface area (take π=3.14) correct to two places of decimal.

Ans
1. $3069.55\ cm^2$
2. $4069.44\ cm^2$
3. $5069.66\ cm^2$
4. $6069.67\ cm^2$

Question ID : **26433065017**
Status : **Not Answered**
Chosen Option : **--**

Q.11 $\frac{1}{1+\cos(90^0-\theta)}+\frac{1}{1-\cos(90^0-\theta)}=$ _____ .

Ans
1. $2\sec^2\theta$
2. 1
3. 0
4. $2\tan^2\theta$

Question ID : **26433058176**
Status : **Answered**
Chosen Option : **1**

Q.12 If $\left(4a+\frac{5}{a}+5\right)=14$, what is the value of $\left(16a^2+\frac{25}{a^2}\right)$?

Ans
1. 25
2. 36
3. 41
4. 40

Question ID : **26433061944**
Status : **Answered**
Chosen Option : **3**

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Q.13 Study the following table and answer the question that follows.

A school has four sections A, B, C and D of Class IX students.

The results of Science and Mathematics examinations are shown in the following table.

RESULT	No. of Students			
	Section A	Section B	Section C	Section D
Failed in both	24	25	18	20
Failed in Science but passed in Mathematics	14	12	10	15
Passed in Science but failed in Mathematics	7	6	8	10
Passed in both	63	60	56	55

What percentage of students of section C Passed in Science but failed in Mathematics?

Ans

1. 8.70%
2. ✗ 9.20%
3. 9.85%
4. 10.30%

Question ID : **26433076240**
Status : **Answered**
Chosen Option : **1**

Q.14 Ruchi, Khushi and Teju can do a piece of work in 30, 40 and 60 days respectively. In how many days can Ruchi do the work, if she is assisted by both Khushi and Teju on every third day?

Ans

1. ✗ $\frac{550}{12}$ days
2. ✓ $\frac{85}{4}$ days
3. $\frac{71}{2}$ days
4. $\frac{360}{17}$ days

Question ID : **26433080056**
Status : **Answered**
Chosen Option : **2**

Q.15 If the diameter of a sphere is 3.5 cm, then what is the total surface area of the sphere?

Ans

1. ✗ 45.75 cm^2
2. ✗ 42.6 cm^2
3. ✓ 38.5 cm^2
4. ✗ 34.25 cm^2

Question ID : **264330105845**
Status : **Answered**
Chosen Option : **3**

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Q.16 Ram loses $12\frac{1}{2}\%$ of his money and after spending 75% of the remainder, is left with ₹630. How much money did Ram have initially?

Ans
1. ₹2,080
✔ 2. ₹2,880
✘ 3. ₹2,205
✘ 4. ₹2,808

Question ID : **26433065057**
Status : **Answered**
Chosen Option : **2**

Q.17 If $x - \frac{1}{x} = 13$, what will be the value of $x^4 + \frac{1}{x^4}$?

Ans
1. 28561
✘ 2. 29243
✘ 3. 27887
✔ 4. 29239

Question ID : **26433075304**
Status : **Answered**
Chosen Option : **4**

Q.18 Study the given chart and answer the question that follows.

The chart shows the quantities of machines (M1, M2, M3) available in different stores (S1, S2, S3, S4).



Which stores have more number of M2 machines than the average number of M2 machines per store?

Ans
1. S2 and S4
✘ 2. S1 and S3
✘ 3. S2 and S3
✔ 4. S1 and S4

Question ID : **26433085474**
Status : **Answered**
Chosen Option : **4**

Q.19 If a : b = c : d, then which of the following ratio is equal to a : c?

Ans
✗ 1. a : d
✗ 2. b : c
✗ 3. a + d : b + c
✓ 4. a + b : c + d

Question ID : **26433066174**
Status : **Answered**
Chosen Option : **4**

Q.20 The factors of $x^4 + x^2 + 25$ are:

Ans
✗ 1. $(x^2 + 3x - 5)(x^2 - 3x + 5)$
2. $(x^2 + 3x + 5)(x^2 - 3x + 5)$
3. $(x^2 - 3x + 5)(x^2 - 3x + 5)$
4. $(x^2 + 3x + 5)(x^2 + 3x + 5)$

Question ID : **26433076064**
Status : **Answered**
Chosen Option : **2**

Q.21 The area of a sector of a circle is 66cm^2 and the angle of the sector is 60°. Find the radius of the circle.

Ans
✗ 1. $5\sqrt{15}$ cm
2. $6\sqrt{14}$ cm
3. $7\sqrt{19}$ cm
4. $3\sqrt{14}$ cm

Question ID : **26433066334**
Status : **Answered**
Chosen Option : **4**

Q.22 Calculate the HCF of $\frac{12}{5}, \frac{14}{15}$ and $\frac{16}{17}$.

Ans
✗ 1. $\frac{4}{255}$
2. $\frac{3}{255}$
3. $\frac{2}{255}$
✗ 4. $\frac{1}{255}$

Question ID : **26433080077**
Status : **Answered**
Chosen Option : **3**

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Q.23 If (cos q + sin q) = 31/25, then what will be the value of $\cos^2 q$?

Ans
✗ 1. 522/625
✗ 2. 512/625
✗ 3. 513/625
✓ 4. 527/625

Question ID : **264330105903**
Status : **Answered**
Chosen Option : **4**

Q.24 The average marks of 60 students in a class are 62. The average marks of boys and girls in that subject are 60 and 65, respectively. The number of boys in the class is:

Ans
✓ 1. 36
✗ 2. 25
✗ 3. 41
✗ 4. 31

Question ID : **26433075381**
Status : **Answered**
Chosen Option : **1**

Q.25 Select the correct option with respect to the given statement.
Two tangents are drawn at the end of the diameter of a circle.

Ans
✗ 1. They intersect each other.
✗ 2. They pass through origin.
✓ 3. They are parallel to each other.
✗ 4. They are perpendicular to each other.

Question ID : **26433082921**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 Fill in the blank with the correct collocation.

Motorists committing this infraction are_____fined.

Ans
✗ 1. wholly
✗ 2. hardly
✗ 3. slowly
✓ 4. heavily

Question ID : **26433090501**
Status : **Answered**
Chosen Option : **4**

Q.2 Select the most appropriate meaning of the given idiom.
Fair and square

Ans
✓ 1. Honestly
✗ 2. Fair-skinned
✗ 3. Being vague
✗ 4. Good looking

Question ID : **26433070801**
Status : **Answered**
Chosen Option : **1**

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Q.3 Select the most appropriate option to substitute the underlined segment in the given sentence.

I <u>used to swim across</u> the river when I was young.

Ans
✗ 1. will swim across
✗ 2. was swimming across
✓ 3. could swim across
✗ 4. can swim across

Question ID : **26433073839**
Status : **Answered**
Chosen Option : **3**

Q.4 Select the option that contains a grammatical error in the underlined portion.

I have never played any game of side this track during the season.

Ans
✗ 1. I have never played any game off side this track <u>during the season</u>.
✓ 2. I have never played any game <u>of side this track</u> during the season.
✗ 3. I <u>have never played</u> any game off side this track during the season.
✗ 4. I have never played <u>any game</u> off side this track during the season.

Question ID : **26433088586**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the most appropriate option to fill in the blank.

We decided to_____as we were missing him a lot.

Ans
✗ 1. give a visit
✗ 2. take a visit
✗ 3. bring in a visit
✓ 4. pay him a visit

Question ID : **26433091844**
Status : **Answered**
Chosen Option : **4**

Q.6 Select the correct indirect form of the given sentence.
Latika said to him, "I got a hefty discount on this television."

Ans
✗ 1. Latika told him that she has got a hefty discount on that television.
✗ 2. Latika told him that she is getting a hefty discount on that television.
✓ 3. Latika told him that she had got a hefty discount on that television.
✗ 4. Latika told him that she has got a hefty discount on this television.

Question ID : **264330104602**
Status : **Answered**
Chosen Option : **3**

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Q.7 Select the option that can be used as a one-word substitute for the given group of words.

One who mediates in a deal or complex situation

Ans
1. Equaliser
2. Solicitor
3. Pacifier
4. Negotiator

Question ID : **26433072312**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the most appropriate ANTONYM of the given word.

Ambition

Ans
1. Intent
2. Anxiety
3. Object
4. Laziness

Question ID : **26433060694**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the most appropriate synonym of the word 'stagnant' from the following sentence.

Reeta was motionless after knowing that her brother had become mentally unstable after seeing the fatal accident on Tuesday night.

Ans
1. Motionless
2. Fatal
3. Unstable
4. Accident

Question ID : **26433072267**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Last before year, Shirley got very good grades.

Ans
1. The last year before
2. Before last year
3. The year before last
4. Before year last

Question ID : **26433088745**
Status : **Answered**
Chosen Option : **2**

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Q.11 **Select the correct passive form of the given sentence.**
The new owners hired a lot of new servers.

Ans
✔ 1. A lot of new servers were hired by the new owners.
✘ 2. A lot of new servers are being hired by the new owners.
✘ 3. A lot of new servers are hired by the new owners.
✘ 4. A lot of new servers had been hired by the new owners.

Question ID : **264330104559**
Status : **Answered**
Chosen Option : **1**

Q.12 **Select the sentences that contains no spelling errors.**

Ans
✘ 1. I heard raucouos laughter from the next room.
✘ 2. I heard raocous laughter from the next room.
✘ 3. I heard raucus laughter from the next room.
✔ 4. I heard raucous laughter from the next room.

Question ID : **26433070692**
Status : **Answered**
Chosen Option : **4**

Q.13 **Select the most appropriate synonym of the bracketed word to fill in the blank.**

There is a huge generation_____(void) between Arun and his grandparents.

Ans
✘ 1. traditions
✔ 2. gap
✘ 3. memory
✘ 4. experience

Question ID : **26433060686**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the most appropriate synonym of the underlined word in the given sentence.**

The perils of smoking tobacco can never be ignored.

Ans
✘ 1. Delights
✘ 2. Benefits
✔ 3. Hazards
✘ 4. Humiliations

Question ID : **26433071961**
Status : **Answered**
Chosen Option : **3**

Q.15 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**
I am been working here for the past ten years.

Ans
✔ 1. have been working here
✘ 2. is been working here
✘ 3. was been working here
✘ 4. had been working here

Question ID : **26433097031**
Status : **Answered**
Chosen Option : **1**

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Q.16 Select the most appropriate option to fill in the blank.

Seeing my messy room, my mother taught me to keep everything in order. Now my room is_____.

Ans
1. on demand
2. of no avail
3. spick and span
4. high and dry

Question ID : **26433070547**
Status : **Answered**
Chosen Option : **3**

Q.17 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

There is a whole world / out there that / is invisible from / the naked eye.

Ans
1. the naked eye
2. is invisible from
3. There is a whole world
4. out there that

Question ID : **26433088944**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.18 Select the option that expresses the given sentence in passive voice.

Had they not cleared the exam?

Ans
1. Is the exam not been cleared by them?
2. Have the exam not been cleared by them?
3. Was the exam not been cleared by them?
4. Had the exam not been cleared by them?

Question ID : **26433073245**
Status : **Answered**
Chosen Option : **4**

Q.19 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. In Tokyo, they built an expressway linking the international airport in Haneda to the centre, and widened some of the city's major arteries.
Q. These infrastructure improvements helped to bring about the Japanese economic miracle over the next couple of decades.
R. Tokyo 2020 was supposed to be a great economic stimulus, replicating the achievements of Tokyo 1964.
S. It was thanks to hosting that Olympics that Japan invested in infrastructure such as the famous Shinkansen bullet train .

Ans
1. RSPQ
2. QPRS
3. SRQP
4. PQRS

Question ID : **264330104738**
Status : **Answered**
Chosen Option : **1**

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Q.20 **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'.**

Getting a compliment from her husband was a rare <u>occurrance</u> in Rashmila's life.

Ans
✔ 1. occurrence
✘ 2. ocurrance
✘ 3. No error
✘ 4. ocurrancce

Question ID : **26433058639**
Status : **Answered**
Chosen Option : **1**

Comprehension:

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

Academic life has (1)_____demanding for students as a result of different internal andexternal expectations. Teenagers are especially (2)_____to academic stress because they go through so many personal and social changes. As a result, designing effective and efficient (3)_____solutions requires a thorough understanding of the causes and consequences of academic stress. Exams are one of the (4)_____aspects of anyone's life. Exams are stressful for everyone, whether they are students or adults because everyonewants to perform well and no one wants to fail as to avoid (5)____in future.

SubQuestion No : 21

Q.21 **Select the most appropriate option to fill in blank number 1.**

Ans
✘ 1. becomes
✘ 2. became
✔ 3. become
✘ 4. becoming

Question ID : **26433084799**
Status : **Answered**
Chosen Option : **3**

Comprehension:

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

Academic life has (1)_____demanding for students as a result of different internal andexternal expectations. Teenagers are especially (2)_____to academic stress because they go through so many personal and social changes. As a result, designing effective and efficient (3)_____solutions requires a thorough understanding of the causes and consequences of academic stress. Exams are one of the (4)_____aspects of anyone's life. Exams are stressful for everyone, whether they are students or adults because everyonewants to perform well and no one wants to fail as to avoid (5)____in future.

SubQuestion No : 22

Q.22 **Select the most appropriate option to fill in blank number 2.**

Ans
✘ 1. scared
✔ 2. prone
✘ 3. liable
✘ 4. resistance

Question ID : **26433084800**
Status : **Answered**
Chosen Option : **2**

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Comprehension:

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

Academic life has (1)_____demanding for students as a result of different internal andexternal expectations. Teenagers are especially (2)_____to academic stress because they go through so many personal and social changes. As a result, designing effective and efficient (3)_____solutions requires a thorough understanding of the causes and consequences of academic stress. Exams are one of the (4)_____aspects of anyone's life. Exams are stressful for everyone, whether they are students or adults because everyonewants to perform well and no one wants to fail as to avoid (5)____in future.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

Ans

✗ 1. collateral

✓ 2. intervention

✗ 3. convention

✗ 4. physical

Question ID : **26433084801**
Status : **Answered**
Chosen Option : **1**

Comprehension:

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

Academic life has (1)_____demanding for students as a result of different internal andexternal expectations. Teenagers are especially (2)_____to academic stress because they go through so many personal and social changes. As a result, designing effective and efficient (3)_____solutions requires a thorough understanding of the causes and consequences of academic stress. Exams are one of the (4)_____aspects of anyone's life. Exams are stressful for everyone, whether they are students or adults because everyonewants to perform well and no one wants to fail as to avoid (5)____in future.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

Ans

✗ 1. more important

✗ 2. most eager

✓ 3. most crucial

✗ 4. more urgent

Question ID : **26433084802**
Status : **Answered**
Chosen Option : **3**

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Comprehension:

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

Academic life has (1)_____demanding for students as a result of different internal andexternal expectations. Teenagers are especially (2)_____to academic stress because they go through so many personal and social changes. As a result, designing effective and efficient (3)_____solutions requires a thorough understanding of the causes and consequences of academic stress. Exams are one of the (4)_____aspects of anyone's life. Exams are stressful for everyone, whether they are students or adults because everyonewants to perform well and no one wants to fail as to avoid (5)____in future.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

Ans

✔ 1. ambiguity

✘ 2. sneak

✘ 3. wanderlust

✘ 4. purpose

Question ID : **26433084803**
Status : **Answered**
Chosen Option : **1**

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