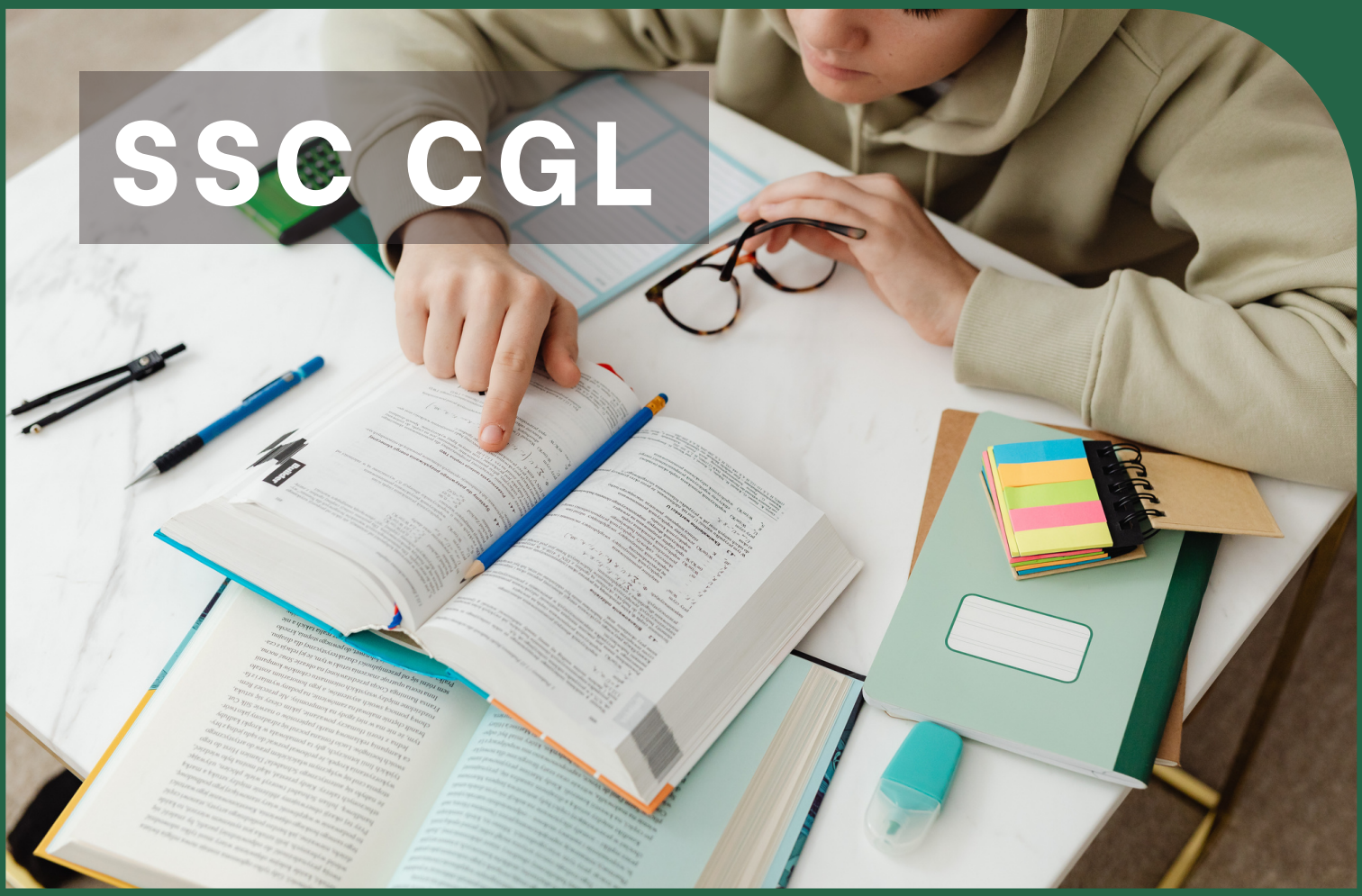


Question Paper

Staff Selection Commission
Combined Graduated Level
Examination

Prepared by:
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SSC CGL 2022 TIER 1 December 6, 2022 SHIFT 2 QUESTION PAPER

Exam Date	06/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **If X × Y means that X is the father of B, X ÷ B means that X is the mother of B, X – Y means that X is the brother of Y then which of the following expression shows that A is the father of C?**

Ans

✗ 1. A – B × C

✗ 2. A × C – B

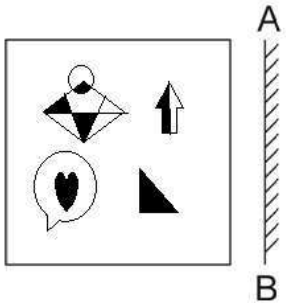
✗ 3. A × B ÷ C

✓ 4. A × B – C

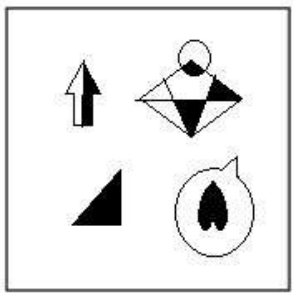
Question ID : **264330104997**
Status : **Answered**
Chosen Option : **2**

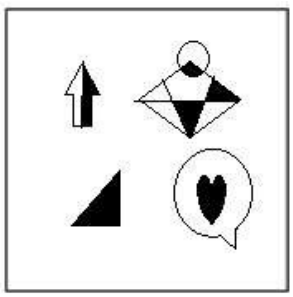
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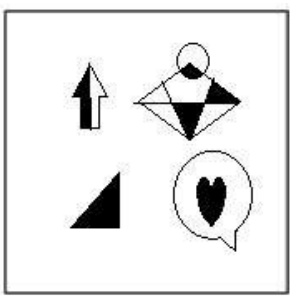
Q.2 Select the correct mirror image of the given figure when the mirror is placed at AB as shown.

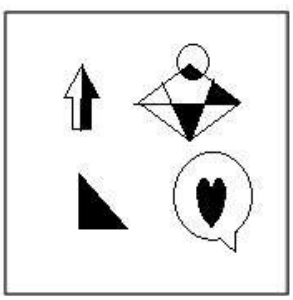


Ans

1. 

2. 

3. 

4. 

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Question ID : **26433070437**
Status : **Answered**
Chosen Option : **2**

Q.3 Select the option that is related to the third word in the same way as the second word is related to the first word.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Octagon : Eight :: Heptagon : ?

Ans
1. Ten
2. Six
3. Nine
4. Seven

Question ID : **26433056814**
Status : **Answered**
Chosen Option : **4**

Q.4 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.)
(2, 125, 3)
(1, 64, 3)

Ans
1. (2, 100, 8)
2. (5, 512, 3)
3. (12, 50, 13)
4. (4, 341, 3)

Question ID : **26433069248**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.
10 : 45 :: ? : 28 :: 11 : 55

Ans
1. 9
2. 8
3. 12
4. 10

Question ID : **26433059934**
Status : **Not Answered**
Chosen Option : **--**

Q.6 By interchanging the given two signs which of the following equation will be correct?
+ and ÷

Ans
1. $9 \times 18 + 27 \div 36 - 30 = 18$
2. $9 + 3 \times 2 - 8 \div 1 = -1$
3. $16 + 8 \times 2 \div 6 - 9 = 10$
4. $16 + 2 \times 6 \div 3 - 7 = 50$

Question ID : **264330105119**
Status : **Answered**
Chosen Option : **2**

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Q.7 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row: 243, 162, 9
Second row: 108, 72, 6
Third row: 48, ?, 4
(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. 12
✗ 2. 21
✓ 3. 32
✗ 4. 23

Question ID : **26433069127**
Status : **Answered**
Chosen Option : **3**

Q.8 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. 8 – 60
✗ 2. 6 – 33
✗ 3. 12 – 141
✗ 4. 10 – 97

Question ID : **264330105058**
Status : **Answered**
Chosen Option : **1**

Q.9 Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

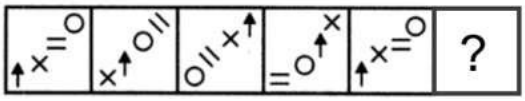
$14 + 39 - (\sqrt{144} \div 4) + (5 \times 3) - 6 = 63$

Ans
✗ 1. 14 and 6
✗ 2. 5 and 39
✓ 3. 4 and 3
✗ 4. 4 and 6

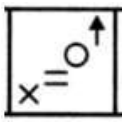
Question ID : **26433069211**
Status : **Answered**
Chosen Option : **3**

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Q.10 Select the figure from among the given options that can replace the question mark (?) in the following series.

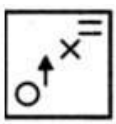


Ans

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

Question ID : **26433080516**
Status : **Answered**
Chosen Option : **2**

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. MNG
✗ 2. STM
✗ 3. ABU
✓ 4. HED

Question ID : **26433081492**
Status : **Answered**
Chosen Option : **4**

Q.12 **In a certain code language, 'NULLIFY' is written as 'MFOLRUB' and 'SKYWALK' is written as 'HPBWZOP'. How will 'FLAGGER' be written in that language?**

Ans
✗ 1. VOZGTVI
✗ 2. UOZHTVI
✓ 3. UOZGTVI
✗ 4. UOZITVL

Question ID : **26433059894**
Status : **Answered**
Chosen Option : **3**

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Q.13 **Which of the following numbers will replace the question mark (?) in the given series?**
121, 169, 289, ?, 529, 841

Ans
✗ 1. 484
✓ 2. 361
✗ 3. 343
✗ 4. 441

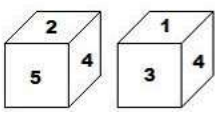
Question ID : **26433068838**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)**
Dog : Bitch :: Stallion : ?

Ans
✗ 1. Doe
✓ 2. Mare
✗ 3. Goose
✗ 4. Vixen

Question ID : **26433068355**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Two positions of the same cubical block are shown. When '6' is at the top, which number will be at the bottom?

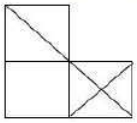


Ans
✓ 1. 4
✗ 2. 2
✗ 3. 3
✗ 4. 5

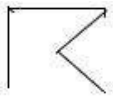
Question ID : **26433082326**
Status : **Answered**
Chosen Option : **1**

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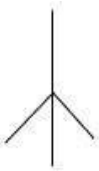
Q.16 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).

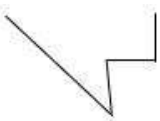


Ans

✔ 1. 

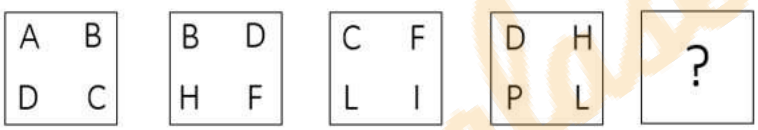
✘ 2. 

✘ 3. 

✘ 4. 

Question ID : **26433068020**
Status : **Answered**
Chosen Option : **2**

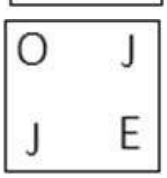
Q.17 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

✘ 1. 

✔ 2. 

✘ 3. 

✘ 4. 

Question ID : **26433068710**
Status : **Answered**
Chosen Option : **2**

Q.18 Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow (s) from the statements.
Statements:
Some mice are keyboards.
All keyboards are CPUs.
All mice are webcams.
Conclusions:
I. Some CPUs are mice.
II. Some webcams are keyboards.
III. Some webcams are CPUs.

Ans
✔ 1. All conclusions follow
✘ 2. Only conclusions I and II follow
✘ 3. Only conclusions II and III follow
✘ 4. Only conclusions I and III follow

Question ID : **26433068644**
Status : **Answered**
Chosen Option : **1**

Q.19 After interchanging the given two numbers and two signs what will be the values of equation (I) and (II) respectively?
× and –, 4 and 5
I. 9 ÷ 3 × 6 + 5 – 4
II. 5 – 4 × 3 + 6 ÷ 2

Ans
✔ 1. 17, 20
✘ 2. 8, 6
✘ 3. 16, 20
✘ 4. 20, 17

Question ID : **264330105152**
Status : **Answered**
Chosen Option : **1**

Q.20 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1- Miscellaneous
2- Miscalculate
3- Mischance
4- Miscall
5- Miscasting

Ans
✘ 1. 2, 4, 1, 5, 3
✔ 2. 2, 4, 5, 1, 3
✘ 3. 4, 2, 5, 3, 1
✘ 4. 4, 2, 5, 1, 3

Question ID : **26433079451**
Status : **Answered**
Chosen Option : **2**

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Q.21 A – B means 'A is the mother of B'
A % B means 'A is the brother of B'
A $ B means 'A is the sister of B'
A @ B means 'A is the son of B'
If L @ M – N $ O % P, then how is L related to P?

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

Question ID : **26433059908**
Status : **Answered**
Chosen Option : **4**

Q.22 Which letter-cluster will replace the question mark (?) to complete the given series?
MDSA, KERC, ?, GGPG, EHOI

Ans
✓ 1. IFQE
✗ 2. IFQG
✗ 3. IEQF
✗ 4. IQFE

Question ID : **26433065950**
Status : **Answered**
Chosen Option : **1**

Q.23 In a certain code language, BELOVED is coded as 65, and FLOWER is coded as 79.
How will QUIVER be coded in that language?

Ans
✓ 1. 92
✗ 2. 94
✗ 3. 91
✗ 4. 90

Question ID : **26433068000**
Status : **Answered**
Chosen Option : **1**

Q.24 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 Q are M.
II. All O are M.
Conclusion:
I. Some O are not Q.
II. All M are Q.

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

Question ID : **264330104917**
Status : **Answered**
Chosen Option : **4**

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Q.25 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
NDRF, NZJT, NVBH, NRTV, ?

Ans
1. NJRM
2. NTQC
3. NNLJ
4. NIRQ

Question ID : **264330104843**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 Baishakhi, the famous festival of Sikhs, is celebrated in which month every year?

Ans
1. April
2. February
3. January
4. March

Question ID : **26433074088**
Status : **Answered**
Chosen Option : **1**

Q.2 Chola inscriptions mention several categories of land, which of the following land was known as gifted to temples?

Ans
1. Devadana
2. Shalabhoga
3. Pallichchhandam
4. Brahmadeya

Question ID : **264330105419**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Who was sworn in as the Central Vigilance Commissioner (CVC) by President Droupadi Murmu in August 2022?

Ans
1. Rajiv Gauba
2. Ranjit Rath
3. Pramod Kumar
4. Suresh N. Patel

Question ID : **264330105327**
Status : **Not Answered**
Chosen Option : **--**

Q.4 The appointments committee of cabinet (ACC) extended the tenure of current Research and Analysis Wing (RAW) chief for another year, till June 30, 2023. Who is the current chief?

Ans
1. Mukul Rohatgi
2. Anil Chauhan
3. Samant Kumar Goel
4. Sunil Barthwal

Question ID : **264330105242**
Status : **Answered**
Chosen Option : **3**

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Q.5 How many times did India organise the Commonwealth Games?

Ans
✔ 1. Once
✘ 2. Twice
✘ 3. Thrice
✘ 4. Never

Question ID : **26433071541**
Status : **Answered**
Chosen Option : **2**

Q.6 Identify a dark-coloured amorphous substance that is highly resistant to microbial action and undergoes decomposition at an extremely slow rate.

Ans
✘ 1. Chitin
✔ 2. Humus
✘ 3. Carotenoids
✘ 4. Colloids

Question ID : **26433087874**
Status : **Not Answered**
Chosen Option : **--**

Q.7 How many Indian states shares its border with Bangladesh?

Ans
✘ 1. Three
✘ 2. Four
✘ 3. Six
✔ 4. Five

Question ID : **264330105515**
Status : **Answered**
Chosen Option : **3**

Q.8 Established in 1867 at Bombay, the _____sought to remove caste restrictions, abolish child marriage, and encourage the education of women, etc.

Ans
✘ 1. Veda Samaj
✘ 2. Arya Samaj
✔ 3. Prarthana Samaj
✘ 4. Satyashodhak Samaj

Question ID : **26433085309**
Status : **Not Answered**
Chosen Option : **--**

Q.9 A Hindu festival celebrated by the Tamil community that falls in the Tamil Solar Month is called?

Ans
✘ 1. Karaga
✘ 2. Bihu
✘ 3. Onam
✔ 4. Thaipusam

Question ID : **26433072635**
Status : **Answered**
Chosen Option : **4**

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Q.10 Goods and services tax (GST) became operational from _____.

Ans
✔ 1. 1 July 2017
✘ 2. 1 May 2016
✘ 3. 1 April 2016
✘ 4. 1 April 2017

Question ID : **264330105387**
Status : **Answered**
Chosen Option : **1**

Q.11 Which of the following was known as an organisation of merchants in the inscriptions of the Pallavas?

Ans
✔ 1. Nagaram
✘ 2. Sangathana
✘ 3. Ur
✘ 4. Sabha

Question ID : **264330105201**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Sundaram Balachander has been the main player of which of the following musical instruments?

Ans
✘ 1. Mridangam
✘ 2. Bansuri
✔ 3. Veena
✘ 4. Santoor

Question ID : **26433074116**
Status : **Not Answered**
Chosen Option : **--**

Q.13 As of 10 April 2022, who among the following is the Chief Minister of Puducherry?

Ans
✔ 1. N Rangasamy
✘ 2. RV Janakiraman
✘ 3. V Vaithilingam
✘ 4. P Shanmugam

Question ID : **26433054555**
Status : **Not Answered**
Chosen Option : **--**

Q.14 What is the average height of troposphere?

Ans
✘ 1. 20 km
✔ 2. 13 km
✘ 3. 24 km
✘ 4. 8 km

Question ID : **264330105648**
Status : **Answered**
Chosen Option : **4**

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Q.15 pH of milk of magnesia is _____.

Ans
1. 12
2. 8
3. 10
4. 14

Question ID : **264330105481**
Status : **Not Answered**
Chosen Option : **--**

Q.16 The real executive power is vested in the Council of Ministers with the _____ as its head.

Ans
1. Prime Minister
2. Speaker of Rajya Sabha
3. Vice President
4. President

Question ID : **26433086765**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Which singer was given the Padma Shri in 2022 under the Arts category?

Ans
1. Kumar Sanu
2. Udit Narayan
3. Abhijeet Bhattacharya
4. Sonu Nigam

Question ID : **26433054478**
Status : **Not Answered**
Chosen Option : **--**

Q.18 What is the numerical value of a physical quantity?

Ans
1. Reference
2. Direction
3. Distance
4. Magnitude

Question ID : **264330105459**
Status : **Answered**
Chosen Option : **4**

Q.19 In March 2022, Tripura government announced _____ reservation for women in government jobs.

Ans
1. 20 percent
2. 27 percent
3. 10 percent
4. 33 percent

Question ID : **264330105268**
Status : **Not Answered**
Chosen Option : **--**

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Q.20 In 1840, the Paramhans Mandali was established to work for the abolition of 'Caste' at _____.

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

Question ID : **264330105586**
Status : **Not Answered**
Chosen Option : **--**

Q.21 In football, when the ball strikes the frame of the goal or the referee and remains within the goal and touch lines, it is:

Ans
1. foul
2. still in play
3. a misconduct
4. out of play

Question ID : **26433059446**
Status : **Answered**
Chosen Option : **2**

Q.22 The Indian Institute of remote sensing was established at:

Ans
1. Khadakwasla
2. Shimla
3. Dehradun
4. Kochi

Question ID : **26433089211**
Status : **Not Answered**
Chosen Option : **--**

Q.23 'Modernisation' as a goal of planning in context of the Indian economy was NOT aimed at:

Ans
1. adopting a Western lifestyle
2. change in social outlook
3. increase in production of goods and services
4. use of new technology

Question ID : **26433065439**
Status : **Not Answered**
Chosen Option : **--**

Q.24 In 1664, who discovered the fifth star in the Trapezium, an asterism (mini-constellation) in the constellation Orion?

Ans
1. George Willis Ritchey
2. Giordano Bruno
3. Johannes Kepler
4. Robert Hooke

Question ID : **26433064054**
Status : **Not Answered**
Chosen Option : **--**

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Q.25 Match column A with column B.

Column A	Column B
i. Kwashiorkor	a. Iodine deficiency
ii. Weak bones and muscles	b. Iron deficiency
iii. Anaemia	c. Calcium deficiency
iv. Goitre	d. Protein deficiency

Ans
✗ 1. i-c, ii-b, iii-d, iv-a
✗ 2. i-b, ii-a, iii-c, iv-d
✓ 3. i-d, ii-c, iii-b, iv-a
✗ 4. i-b, ii-c, iii-a, iv-d

Question ID : **26433064148**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 **How many circles can be drawn that pass(es) through two fixed points?**

Ans
✓ 1. Infinite
✗ 2. Only two
✗ 3. One or two
✗ 4. Only one

Question ID : **26433065310**
Status : **Answered**
Chosen Option : **4**

Q.2 **If x is the mean proportional between 12.8 and 64.8, then the value of x is:**

Ans
✗ 1. 32
✗ 2. 34
✓ 3. 28.8
✗ 4. 26.4

Question ID : **26433065281**
Status : **Answered**
Chosen Option : **3**

Q.3 **If cot A = 15/8, then what will be the value of tan 2 A?**

Ans
✗ 1. 200/161
✓ 2. 240/161
✗ 3. 240/173
✗ 4. 220/171

Question ID : **264330105899**
Status : **Answered**
Chosen Option : **2**

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Q.4 The table given below shows the number of persons participating in a survey from 6 different states.

States	Persons
J	200
K	300
L	500
M	600
N	700
P	900

Number of persons participating in the survey from L is what percent of the number of persons participating in the survey from J?

Ans
✗ 1. 200 percent
✓ 2. 250 percent
✗ 3. 80 percent
✗ 4. 40 percent

Question ID : **264330105728**
Status : **Answered**
Chosen Option : **2**

Q.5 The table given below shows the temperature recorded every day in a certain week.

Days	Temperature
Monday	20°
Tuesday	45°
Wednesday	30°
Thursday	50°
Friday	25°
Saturday	55°
Sunday	60°

What is the difference between the temperature recorded on Monday and Tuesday together and the temperature recorded on Friday and Saturday together?

Ans
✗ 1. 25 degree
✗ 2. 20 degree
✓ 3. 15 degree
✗ 4. 10 degree

Question ID : **264330105746**
Status : **Answered**
Chosen Option : **3**

Q.6 $3^{50} + 9^{26} + 27^{18} + 9^{28} + 9^{29}$ is divisible by which of the following integers?

Ans
✓ 1. 11
✗ 2. 5
✗ 3. 7
✗ 4. 2

Question ID : **26433075343**
Status : **Answered**
Chosen Option : **1**

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Q.7 A car with a price of ₹6,50,000 is bought by making some down payment. On the balance, a simple interest of 10% is charged in lump sum and the money is to be paid in 20 equal annual instalments of ₹25,000. How much is the down payment?

Ans
✗ 1. ₹1,55,945

✓ 2. ₹1,95,455

✗ 3. ₹1,94,555

✗ 4. ₹1,45,955

Question ID : **26433081718**
Status : **Not Answered**
Chosen Option : **--**

Q.8 A shopkeeper has 2220 kg of rice. A part of which he sells at a 20% profit and the rest at a 12% profit. He gains 18% on the whole. The quantity (in kg) sold at a 12% profit is:

Ans
✓ 1. 555

✗ 2. 1210

✗ 3. 1665

✗ 4. 425

Question ID : **26433061132**
Status : **Answered**
Chosen Option : **1**

Q.9 Choose the correct statement from the following.

Ans
✗ 1. HCF is the least common multiple of the given numbers.

✓ 2. HCF of two or more numbers is the highest number which perfectly divides all the given numbers.

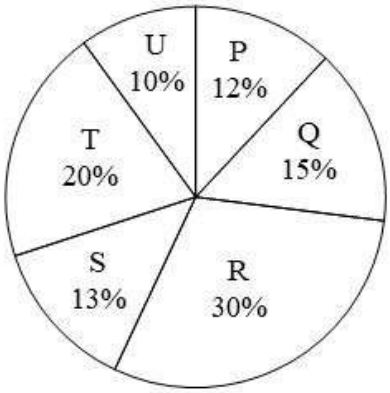
✗ 3. HCF is also called the least common divisor.

✗ 4. In prime factorisation method of HCF, the multiples of all the given numbers are listed.

Question ID : **26433075041**
Status : **Answered**
Chosen Option : **2**

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Q.10 The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories is 12000. The production of a particular factory is shown as a percent of total production of all these 6 factories.



J1 = The value of average production of P and R.
J2 = The value of average production of Q and T.
What is the value of (J1 – J2)?

Ans
✗ 1. 360
✓ 2. 420
✗ 3. 340
✗ 4. 400

Question ID : **264330105780**
Status : **Answered**
Chosen Option : **2**

Q.11 If $\frac{a}{b}+\frac{b}{a}=1$ and $a+b=2$, then the value of a^3+b^3 is:

Ans
✓ 1. 0
✗ 2. 3
✗ 3. 1
✗ 4. 2

Question ID : **26433079803**
Status : **Answered**
Chosen Option : **1**

Q.12 If 3 coconuts are offered free on purchase of 12 coconuts, priced ₹25 each, what is the effective discount on each coconut?.

Ans
✓ 1. 20%
✗ 2. 24%
✗ 3. 20.83%
✗ 4. 15%

Question ID : **26433076181**
Status : **Answered**
Chosen Option : **1**

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Q.13 The population of country A decreased by p% and the population of country B decreased by q% from the year 2020 to 2021. Here 'p' is greater than 'q'. Let 'x' be the ratio of the population of country A to the population of country B in the given year. What is the percentage decrease in 'x' from 2020 to 2021?

Ans

✔ 1. $\frac{100(p-q)}{(100-q)}$

✘ 2. $\frac{100(p-q)}{100+P}$

✘ 3. $\frac{100(p-q)}{100-p}$

✘ 4. $\frac{100(p-q)}{100+q}$

Question ID : **26433075936**
Status : **Not Answered**
Chosen Option : **--**

Q.14 A chord of length 40 cm is drawn in a circle having diameter 50 cm. What is the minimum distance of other parallel chord of length 30 cm in the same circle from 40 cm long chord?

Ans

✘ 1. 10 cm

✘ 2. 15 cm

✔ 3. 5 cm

✘ 4. 20 cm

Question ID : **264330105865**
Status : **Answered**
Chosen Option : **3**

Q.15 If $4x^2 + y^2 = 40$ and $xy = 6$, find the positive value of $2x + y$.

Ans

✔ 1. 8

✘ 2. 6

✘ 3. 5

✘ 4. 4

Question ID : **26433076062**
Status : **Answered**
Chosen Option : **1**

Q.16 Piyush sold a guitar to Anuj at 16% gain and Anuj sold it to Mayank at 32% gain. If Mayank paid Rs.3,828 for the guitar, what amount did Piyush pay for the same?

Ans

✔ 1. Rs.2,500

✘ 2. Rs.3,200

✘ 3. Rs.1,600

✘ 4. Rs.2,800

Question ID : **26433063695**
Status : **Answered**
Chosen Option : **1**

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Q.17 The external diameter of an iron pipe is 20 cm and its length is 12 cm. If the thickness of the pipe is 1 cm, find the surface area of the pipe (take $\pi = \frac{22}{7}$) correct to two places of decimal.

Ans
1. $1,662.67\ cm^2$
2. $1,552.57\ cm^2$
3. $1,442.48\ cm^2$
4. $1,772.76\ cm^2$

Question ID : **26433065024**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **A group of men decided to do a job in 6 days, but 18 men dropped out every day. If the job was completed in 8 days, then how many men initially decided to do the job.**

Ans
1. 300
2. 252
3. 188
4. 150

Question ID : **26433081610**
Status : **Answered**
Chosen Option : **2**

Q.19 What is the value of $\frac{\cos 37^\circ}{\sin 53^\circ}$?

Ans
1. $\frac{1}{2}$
2. $\frac{1}{\sqrt{2}}$
3. 0
4. 1

Question ID : **26433061179**
Status : **Answered**
Chosen Option : **4**

Q.20 What is the value of $\text{Cos}(-\frac{17\pi}{3})$

Ans
1. 1
2. $\frac{\sqrt{3}}{2}$
3. $\frac{1}{2}$
4. 0

Question ID : **26433066424**
Status : **Answered**
Chosen Option : **3**

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Q.21 A dog saw a cat at a distance of 280 m. The cat started running at the speed of 10 km/h and the dog also ran to catch it with the speed of 24 km/h. How much time will the dog take to catch the cat?

Ans
1. 1.4 min
2. 1.5 min
3. 1.2 min
4. 1.3 min

Question ID : **26433075889**
Status : **Answered**
Chosen Option : **3**

Q.22 A tangent is drawn from a point M to a circle, which meets the circle at T such that MT = 12 cm. A secant MAB intersects the circle at points A and B. If MA = 8 cm, what is the length (in cm) of the chord AB?

Ans
1. 16
2. 10
3. 12
4. 9

Question ID : **26433075777**
Status : **Answered**
Chosen Option : **2**

Q.23 If $p = 7 + 4\sqrt{3}$, then what is the value of $\frac{p^6+p^4+p^2+1}{p^3}$?

Ans
1. 2617
2. 2167
3. 2716
4. 2176

Question ID : **26433075378**
Status : **Answered**
Chosen Option : **3**

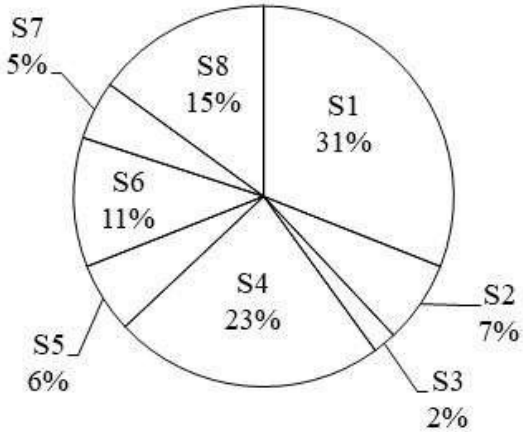
Q.24 The height of an equilateral triangle is $7\sqrt{3}$ cm. What is the area of this equilateral triangle?

Ans
1. $36\sqrt{3}$ cm^2
2. $25\sqrt{3}$ cm^2
3. $49\sqrt{3}$ cm^2
4. $32\sqrt{3}$ cm^2

Question ID : **264330105823**
Status : **Answered**
Chosen Option : **3**

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Q.25 The pie chart given below shows the number of boys in 8 schools. The total number of boys in all these 8 school is 12000. Number of boys in a particular school is shown as a percent of total number of boys in all these 8 schools.



The average number of boys in S1 and S2 is what percent of the average number of boys in S6 and S8?

Ans
1. 133.33 percent
2. 192.24 percent
3. 172.26 percent
4. 146.15 percent

Question ID : **264330105775**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

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 required'.

The soldiers had no choice to report the loss to their commander.

Ans
1. no choice as to
2. no choice how to
3. No substitution required
4. no choice but to

Question ID : **26433088438**
Status : **Answered**
Chosen Option : **4**

Q.2 Identify the most appropriate ANTONYM of the underlined word in the given sentence.
The game continued due to heavy rainfall after the pitch became completely wet.

Ans
1. ongoing
2. played
3. stopped
4. disregarded

Question ID : **26433060407**
Status : **Answered**
Chosen Option : **3**

Q.3 Select the most appropriate meaning of the given idiom.
On the ball

Ans
✓ 1. To be alert
✗ 2. Doing a bad job
✗ 3. Doing an average job
✗ 4. To be lazy

Question ID : **26433066420**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Select the most appropriate collocating word to fill in the blank.

Great people are always ready to_____ responsibilities.

Ans
✗ 1. kindle
✗ 2. secure
✓ 3. shoulder
✗ 4. burden

Question ID : **26433070456**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate ANTONYM of the word 'IMMORAL' from the given sentence.

The city of Hamburg and its surrounding region have generally decent health, with no pandemic illnesses having lately developed to any significant degree.

Ans
✗ 1. Degree
✓ 2. Decent
✗ 3. Illness
✗ 4. Region

Question ID : **26433060705**
Status : **Answered**
Chosen Option : **2**

Q.6 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 Education Ministry believes that after the reopening of the schools, it will take some time to regain the <u>equiliebrium</u>.

Ans
✗ 1. equilibreum
✗ 2. equelibrium
✗ 3. No error
✓ 4. equilibrium

Question ID : **26433058643**
Status : **Answered**
Chosen Option : **4**

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Q.7 Select the sentence with the appropriate use of preposition.

Ans
✔ 1. By means of rope ladders they scaled the wall.
✘ 2. Along with means of rope ladders they scaled the wall.
✘ 3. in means of rope ladders they scaled the wall.
✘ 4. Of means of rope ladders they scaled the wall.

Question ID : **26433073894**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A. Such problems include difficulty in implementing decisions, providing social security to everyone and ensuring employment.
B. This is because almost all countries face problems related to their population.
C. The most crucial aspect of the problem is population pressure.
D. The population explosion is an important issue these days.

Ans
✘ 1. CDAB
✘ 2. DBCA
✔ 3. DBAC
✘ 4. ABCD

Question ID : **26433058262**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the correct indirect form of the given sentence.
Radha said, "Why didn't he forward his petition to me?"

Ans
✔ 1. Radha enquired why he had not forwarded his petition to her.
✘ 2. Radha enquired why he has not forwarded his petition to her.
✘ 3. Radha enquired why had he not forwarded his petition to her.
✘ 4. Radha enquired why he had not forward his petition to her.

Question ID : **264330104616**
Status : **Answered**
Chosen Option : **1**

Q.10 Rearrange the parts of the sentence in correct order.
Electrolytes like
P. important for balancing the water in your body
Q. are present in the body's fluids and are
R. are electrically charged minerals that
S. sodium, potassium, chloride and magnesium

Ans
✘ 1. PQSR
✘ 2. SPRQ
✘ 3. SQRP
✔ 4. SRQP

Question ID : **264330104658**
Status : **Answered**
Chosen Option : **4**

Q.11 Select the option that can be used as a one-word substitute for the underlined words in the given sentence.

Today my dad will teach me how to make a small shelter for my dog.

Ans
✔ 1. kennel
✘ 2. canal
✘ 3. burrow
✘ 4. shed

Question ID : **26433060680**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the most appropriate ANTONYM of the given word.
Harmony

Ans
✔ 1. Hostility
✘ 2. Congruity
✘ 3. Consent
✘ 4. Concord

Question ID : **26433060433**
Status : **Answered**
Chosen Option : **1**

Q.13 Select the most appropriate option to complete the given sentence.
His brother _____ his _____ and gave him a watch after his result.

Ans
✘ 1. took, word
✘ 2. broke, record
✘ 3. lost, temper
✔ 4. kept, promise

Question ID : **26433084708**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the correct active form of the given sentence.
The dog was terrified by the unexpected noise.

Ans
✘ 1. The unexpected noise had terrified the dog.
✔ 2. The unexpected noise terrified the dog.
✘ 3. The unexpected noise has terrified the dog.
✘ 4. The unexpected noise terrifies the dog.

Question ID : **264330104592**
Status : **Answered**
Chosen Option : **2**

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Q.15 Select the option that can be used as a one-word substitute for the given group of words.

Existing in a land from the earliest times or from before the arrival of colonists

Ans
1. Native
2. Ancient
3. Aboriginal
4. Original

Question ID : **26433071925**
Status : **Answered**
Chosen Option : **3**

Q.16 Select the correct active form of the given sentence.
This trail is not frequently visited by hikers.

Ans
1. Hikers not have frequently visit this trail.
2. Hikers does not frequently visit this trail.
3. Hikers do not visit this trail frequently.
4. Hikers did not frequently visit this trail.

Question ID : **264330104584**
Status : **Answered**
Chosen Option : **3**

Q.17 Select the INCORRECTLY spelt word.

Ans
1. Athlete
2. Practically
3. Benefitted
4. Antartic

Question ID : **26433061042**
Status : **Answered**
Chosen Option : **4**

Q.18 Select the most appropriate synonym of the underlined word in the given sentence.

The essayist's sole intention was to <u>baffle</u> his readers.

Ans
1. Puzzle
2. Influence
3. Scold
4. Annoy

Question ID : **26433071955**
Status : **Answered**
Chosen Option : **1**

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Q.19 **The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

He always / aimed highly / in life.

Ans
1. No error
2. in life
3. aimed highly ✓
4. He always

Question ID : **26433084859**
Status : **Answered**
Chosen Option : **3**

Q.20 **Select the most appropriate meaning of the underlined idiom.**
When the war breaks out, all the war mongering social media activists become yellow bellies.

Ans
1. Zealots
2. Cowards ✓
3. Sceptics
4. Upset stomachs

Question ID : **26433060190**
Status : **Not Answered**
Chosen Option : **--**

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.

India is one of the largest producers of tea in the world. The industry is (1)_____ recognised as technically very well (2) _____. The Indian tea industry is a (3) _____ one traditionally. Tea has been used in India for (4) _____ purposes as well as for (5) _____.

SubQuestion No : 21

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

Ans
1. globally ✓
2. tediously
3. industrially
4. mutually

Question ID : **26433088108**
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.

India is one of the largest producers of tea in the world. The industry is (1)_____ recognised as technically very well (2) _____. The Indian tea industry is a (3) _____ one traditionally. Tea has been used in India for (4) _____ purposes as well as for (5) _____.

SubQuestion No : 22

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

Ans
- ✗ 1. complex
- ✗ 2. establish
- ✗ 3. pampered
- ✓ 4. equipped

Question ID : **26433088109**
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.

India is one of the largest producers of tea in the world. The industry is (1)_____ recognised as technically very well (2) _____. The Indian tea industry is a (3) _____ one traditionally. Tea has been used in India for (4) _____ purposes as well as for (5) _____.

SubQuestion No : 23

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

Ans
- ✗ 1. flourish
- ✗ 2. condensing
- ✓ 3. flourishing
- ✗ 4. thrashing

Question ID : **26433088110**
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.

India is one of the largest producers of tea in the world. The industry is (1)_____ recognised as technically very well (2) _____. The Indian tea industry is a (3) _____ one traditionally. Tea has been used in India for (4) _____ purposes as well as for (5) _____.

SubQuestion No : 24

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

Ans
- ✗ 1. sick
- ✗ 2. immune
- ✓ 3. medicinal
- ✗ 4. immunology

Question ID : **26433088111**
Status : **Not Answered**
Chosen Option : **--**

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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.

India is one of the largest producers of tea in the world. The industry is (1)_____ recognised as technically very well (2) _____. The Indian tea industry is a (3) _____ one traditionally. Tea has been used in India for (4) _____ purposes as well as for (5) _____.

SubQuestion No : 25

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

Ans

✗ 1. fulfillment

✗ 2. advantage

✓ 3. consumption

✗ 4. retention

Question ID : **26433088112**
Status : **Not Answered**
Chosen Option : **--**

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