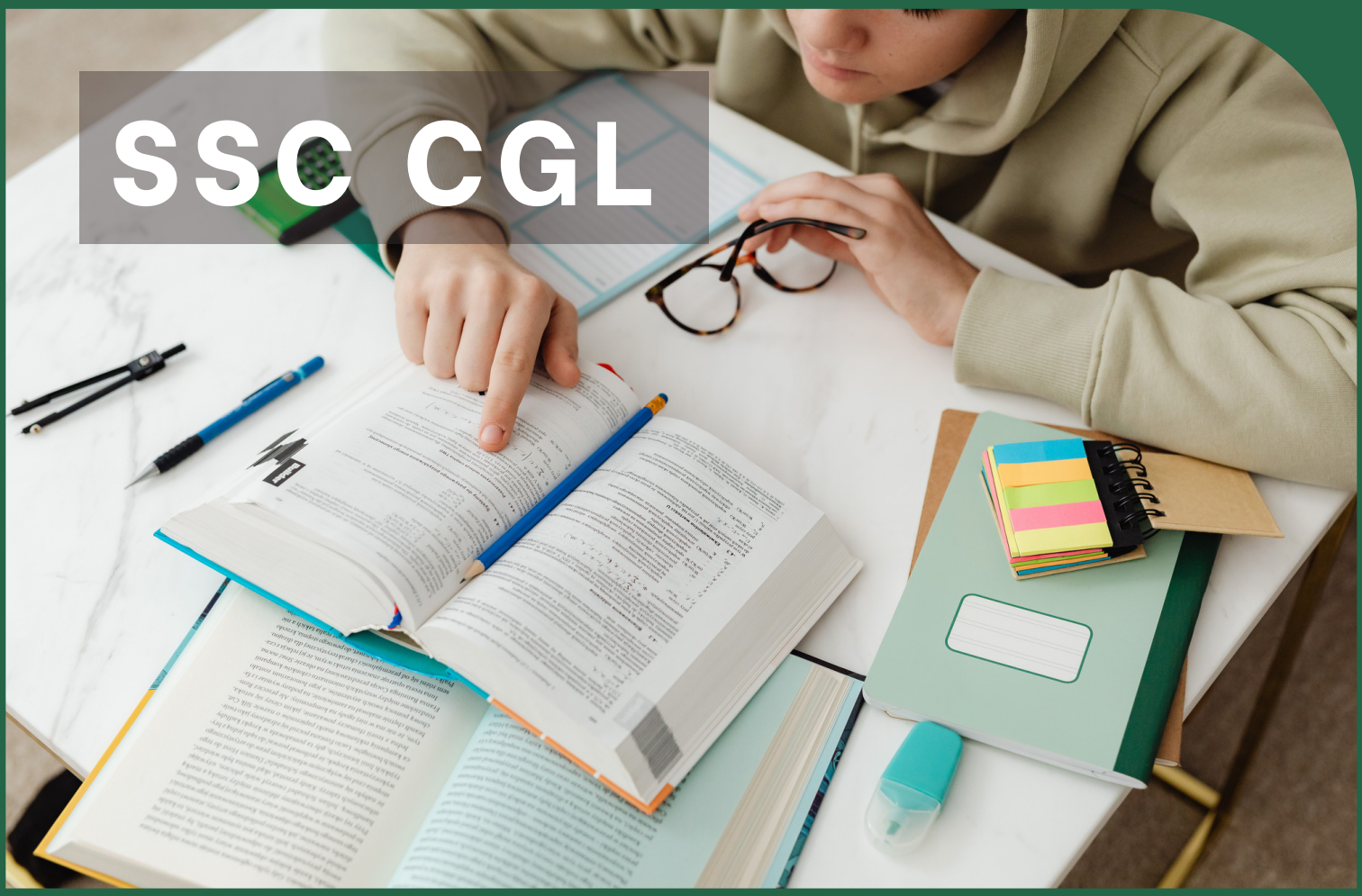


Question Paper

Staff Selection Commission
Combined Graduated Level
Examination

Prepared by:
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SSC CGL 2022 TIER 1 DECEMBER 8, 2022 SHIFT 4 QUESTION PAPER

Exam Date	08/12/2022
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **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. (400 – 40 – 4)
✓ 2. (300 – 30 – 7)
✗ 3. (1000 – 100 – 10)
✗ 4. (500 – 50 – 5)

Question ID : **264330105082**
Status : **Answered**
Chosen Option : **2**

Q.2 **Which two signs should be interchanged to make the given equation correct?**
108 ÷ 2 * 10 + 70 – 10 = 480

Ans
✓ 1. + and –
✗ 2. ÷ and *
✗ 3. + and *
✗ 4. ÷ and –

Question ID : **26433068475**
Status : **Answered**
Chosen Option : **1**

Q.3 **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 N are K.
II. All K are P.
Conclusion:
I. Some P are not K.
II. No P is N.

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

Question ID : **264330104919**
Status : **Answered**
Chosen Option : **3**

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Q.4 A @ B means 'A is the sister of B'.
A & B means 'A is the brother of B'.
A # B means 'A is the wife of B'.
A ^ B means 'A is the mother of B'.
A + B means 'A is the father of B'.
If H @ V @ U # W & E ^ X # Z & R ^ S, then which of the following statements is NOT correct?

Ans
✔ 1. Z is the maternal grandfather of S.
✘ 2. W is the husband of U.
✘ 3. E is the mother-in-law of Z.
✘ 4. U is the sister of H.

Question ID : **26433067584**
Status : **Answered**
Chosen Option : **1**

Q.5 If A – B means that A is the brother of B, A + B means that A is the sister of B, A ÷ B means that A is the father of B then which of the following expression shows that P is the paternal uncle of R?

Ans
✘ 1. P + Q ÷ R
✘ 2. P ÷ Q – R
✔ 3. P – Q ÷ R
✘ 4. P – Q + R

Question ID : **264330105002**
Status : **Answered**
Chosen Option : **3**

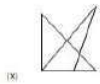
Q.6 Which two signs and two numbers should be interchanged in the following equation to make it correct?
189 ÷ 2 × 30 + 18 – 5 = 159

Ans
✘ 1. 189 , 30 and + , ÷
✔ 2. 18 , 30 and ÷ , –
✘ 3. 2 , 30 and ÷ , ×
✘ 4. 30 , 18 and – , ×

Question ID : **26433085360**
Status : **Not Answered**
Chosen Option : **--**

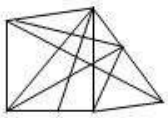
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Q.7 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

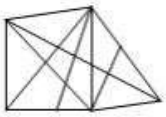


Ans

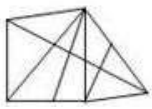
✗ 1.



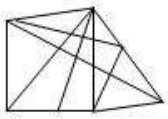
✓ 2.



✗ 3.

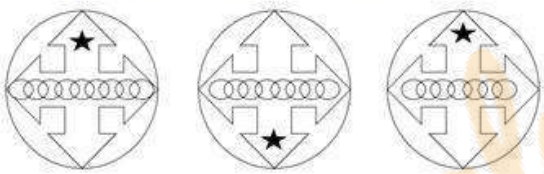


✗ 4.



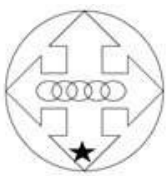
Question ID : **26433068911**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the figure that will come next in the following figure series.

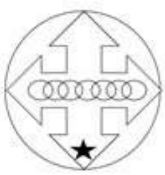


Ans

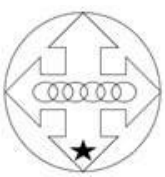
✗ 1.



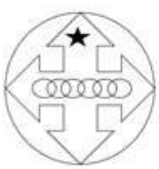
✗ 2.



✓ 3.



✗ 4.



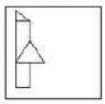
Question ID : **26433057524**
Status : **Answered**
Chosen Option : **4**

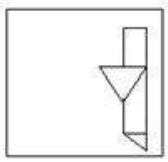
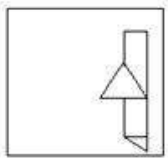
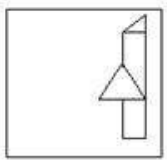
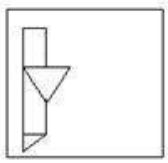
Q.9 **Which letter cluster will replace the question mark (?) to complete the given series?**
LAFI, MCGL, ?, OGIR, PIJU

Ans
✗ 1. NFHO
✗ 2. NFIO
✓ 3. NEHO
✗ 4. NEIO

Question ID : **26433059858**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.



Ans
✗ 1. 
✗ 2. 
✓ 3. 
✗ 4. 

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Question ID : **26433068195**
Status : **Answered**
Chosen Option : **3**

Q.11 **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.)
Birds : Nest :: Rabbits : ?

Ans
✗ 1. Garden
✓ 2. Burrow
✗ 3. Den
✗ 4. Cage

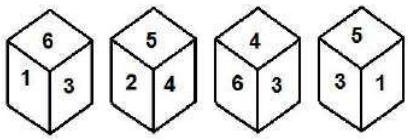
Question ID : **26433056811**
Status : **Answered**
Chosen Option : **2**

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)
(4, 9, 16)
(25, 36, 49)

Ans
✔ 1. (49, 64, 81)
✘ 2. (1, 16, 49)
✘ 3. (36, 81, 49)
✘ 4. (49, 36, 81)

Question ID : **26433082766**
Status : **Answered**
Chosen Option : **1**

Q.13 Four different positions of the same dice are shown, the six faces of which are numbered 1 to 6. Select the number that will be on the face opposite to the one showing '2'.



Ans
✘ 1. 5
✔ 2. 3
✘ 3. 4
✘ 4. 6

Question ID : **26433078866**
Status : **Answered**
Chosen Option : **2**

Q.14 **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:
All gorillas are bears.
All pigs are bears.
All bears are tigers.
Conclusions:
I. All pigs are tigers.
II. All tigers are gorillas.
III. Some tigers are pigs.

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

Question ID : **26433068642**
Status : **Answered**
Chosen Option : **2**

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Q.15 Based on the position in the English alphabetical order, three of the following letter-clusters are alike in some manner and one is different. Select the odd letter-cluster.

Ans
✔ 1. OIGE
✘ 2. QKJH
✘ 3. SMLJ
✘ 4. WQPN

Question ID : **26433065663**
Status : **Answered**
Chosen Option : **1**

Q.16 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.)
(12, 51, 5)
(8, 30, 2)

Ans
✘ 1. (14, 120, 16)
✘ 2. (13, 10, 7)
✘ 3. (19, 44, 3)
✔ 4. (11, 51, 6)

Question ID : **26433069239**
Status : **Answered**
Chosen Option : **4**

Q.17 In a certain code language, 'LUNGS' is written as 'OXQJV' and 'POWER' is written as 'SRZHU', how will 'ELOQUENT' be written in that language?

Ans
✔ 1. HORTXHQW
✘ 2. HOQSXHQW
✘ 3. FMPPRHQW
✘ 4. FMPRVFOU

Question ID : **26433067763**
Status : **Answered**
Chosen Option : **1**

Q.18 By Interchanging the given two numbers which of the following equation will be correct?
7 and 3

Ans
✘ 1. 3 ÷ 1 – 7 × 2 + 4 = 8
✘ 2. 3 × 2 + 7 – 6 ÷ 3 = 18
✘ 3. 3 + 7 × 4 – 6 ÷ 2 = 20
✔ 4. 7 + 3 × 2 – 4 ÷ 1 = 13

Question ID : **264330105101**
Status : **Answered**
Chosen Option : **4**

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Q.19 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.
BASE : EASB :: MINE : EINM :: CALM : ?

Ans
1. AMLC
2. MACL
3. AMCL
4. MALC

Question ID : **26433068514**
Status : **Answered**
Chosen Option : **4**

Q.20 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
ABNC, HGWN, OLFY, VQOJ, ?

Ans
1. TDMR
2. CMRQ
3. CVXU
4. CNTD

Question ID : **264330104832**
Status : **Answered**
Chosen Option : **3**

Q.21 After arranging the given words according to dictionary order, which word will come at 'Third' position?
1. Telescope
2. Telephone
3. Telegram
4. Telecast
5. Telepath

Ans
1. Telepath
2. Telegram
3. Telephone
4. Telecast

Question ID : **264330104894**
Status : **Answered**
Chosen Option : **1**

Q.22 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).
(52, 10, 41)
(46, 18, 50)

Ans
1. (68, 26, 73)
2. (19, 33, 69)
3. (41, 17, 36)
4. (23, 18, 40)

Question ID : **26433074780**
Status : **Not Answered**
Chosen Option : **--**

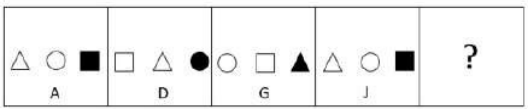
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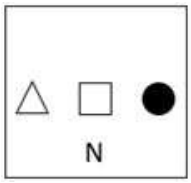
Q.23 **In the following question, select the missing number from the given series.**
98, 70, 42, 14, ?, – 42

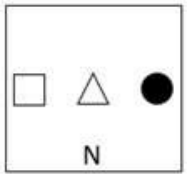
Ans
✗ 1. –10
✓ 2. –14
✗ 3. 0
✗ 4. –15

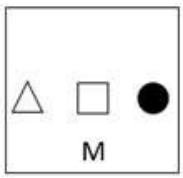
Question ID : **264330105026**
Status : **Answered**
Chosen Option : **2**

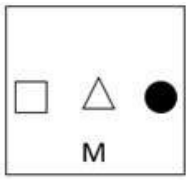
Q.24 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans
✗ 1.


✗ 2.


✗ 3.


✓ 4.


Question ID : **26433085386**
Status : **Answered**
Chosen Option : **3**

Q.25 **In a certain code language, 'TRIGONOMETRY' is written as 'YRTEMOTRIGON', 'ACCELERATION' is written as 'NOITARACCELE'. How will 'APPRECIATION' be written in that language?**

Ans
✓ 1. NOITAIAPPREC
✗ 2. NOITIAAPPREC
✗ 3. NOITAIAPRPEC
✗ 4. NOITAIPAPREC

Question ID : **26433068239**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

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Q.1 The Harappan brought Gold from present-day _____ in India.

Ans
1. Telangana
2. Tamil Nadu
3. Karnataka
4. Kerala

Question ID : **264330105174**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which of the following is NOT the component of the capital expenditure of the Government?

Ans
1. Expenditure on the acquisition of machinery
2. Expenditure on the acquisition of land
3. Expenditure on the acquisition of building
4. Interest payments

Question ID : **26433082158**
Status : **Answered**
Chosen Option : **4**

Q.3 Which of the following has become the first state in the country to get the L-root server?

Ans
1. Karnataka
2. Maharashtra
3. Rajasthan
4. Andhra Pradesh

Question ID : **264330105276**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Which minorities are mentioned in article 30 of the Indian Contituiton?

Ans
1. Linguistic and religious
2. Religious, cultural and linguistic
3. Cultural and linguistic
4. Religious and cultural

Question ID : **26433086669**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Which of the following climate type is found under the cold climates?

Ans
1. Humid subtropical
2. Highland
3. Humid continental
4. Tundra

Question ID : **26433086618**
Status : **Not Answered**
Chosen Option : **--**

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Q.6 The Hindu College was established in Banaras in _____.

Ans
1. 1771
2. 1801
3. 1781
4. 1791

Question ID : **264330105576**
Status : **Marked For Review**
Chosen Option : **3**

Q.7 The mass number of potassium is:

Ans
1. 39
2. 40
3. 38
4. 37

Question ID : **26433086604**
Status : **Answered**
Chosen Option : **3**

Q.8 As of April 2022, who among the following musicians is NOT a recipient of the Bharat Ratna?

Ans
1. Zakir Hussain
2. Ravi Shankar
3. Bismillah Khan
4. Lata Mangeshkar

Question ID : **26433064785**
Status : **Answered**
Chosen Option : **1**

Q.9 What do you call the rate of formation of new organic matter by consumers?

Ans
1. Tertiary productivity
2. Primary productivity
3. Net productivity
4. Secondary productivity

Question ID : **26433064763**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.10 Quwwat al-Islam mosque and minaret, built during the last decade of the _____ century.

Ans
1. eleventh
2. thirteenth
3. fourteenth
4. twelth

Question ID : **264330105426**
Status : **Not Answered**
Chosen Option : **--**

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Q.11 What is the structure of the Indian judiciary?

Ans
✔ 1. Four-tier
✘ 2. Two-tier
✘ 3. Three-tier
✘ 4. Five-tier

Question ID : **26433064846**
Status : **Answered**
Chosen Option : **3**

Q.12 Who took charge as the chairman of The Insurance Regulatory and Development Authority of India in March 2022?

Ans
✔ 1. Debasish Panda
✘ 2. Ajay Bhushan Pandey
✘ 3. Sanjeev Sanyal
✘ 4. Ashwin Yardi

Question ID : **264330105337**
Status : **Answered**
Chosen Option : **2**

Q.13 _____ is a city located on the confluence of river Yamuna and Ganga.

Ans
✔ 1. Allahabad
✘ 2. Agra
✘ 3. Kanpur
✘ 4. Lucknow

Question ID : **264330105601**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Where was the FIH Women's Indoor Hockey World Cup 2015 held?

Ans
✘ 1. Vienna, Austria
✘ 2. Poznan, Poland
✔ 3. Leipzig, Germany
✘ 4. Berlin, Germany

Question ID : **26433059404**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Which enzyme in the pancreatic juice helps in breaking down fats?

Ans
✘ 1. Protease
✘ 2. Pepsin
✔ 3. Lipase
✘ 4. Amylase

Question ID : **26433087861**
Status : **Answered**
Chosen Option : **3**

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Q.16 Who was the recipient of the National Devdasi Award in 2016?

Ans
1. Geeta Kapoor
2. R Muthukannammal
3. Prerana Deshpande
4. Dr Sohini Ray

Question ID : **26433082149**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Name the two states in which land reform were successful?

Ans
1. Uttar Pradesh and Bihar
2. West Bengal and Kerala
3. Maharashtra and Tamil Nadu
4. Karnataka and West Bengal

Question ID : **26433065445**
Status : **Answered**
Chosen Option : **2**

Q.18 In which game/sport is the area of bout called a ring?

Ans
1. Taekwondo
2. Judo
3. Karate
4. Boxing

Question ID : **26433071383**
Status : **Answered**
Chosen Option : **4**

Q.19 According to census 2011, which state has lowest literacy rate in India?

Ans
1. Uttar Pradesh
2. Lakshadweep
3. Mizoram
4. Bihar

Question ID : **264330105533**
Status : **Answered**
Chosen Option : **4**

Q.20 Ekaharya is the solo artist in which Indian classical dance form?

Ans
1. Kathak
2. Bharatanatyam
3. Kuchipudi
4. Mohiniyattam

Question ID : **26433054315**
Status : **Not Answered**
Chosen Option : **--**

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Q.21 Who has taken over as President of Financial Action Task Force in July 2022?

Ans
✔ 1. T Raja Kumar
✘ 2. Sanjiv Kapoor
✘ 3. Ashwani Bhatia
✘ 4. Mahesh Verma

Question ID : **264330105338**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Salamander belongs to which of the following classes?

Ans
✘ 1. Pieces
✘ 2. Reptiles
✘ 3. Aves
✔ 4. Amphibian

Question ID : **26433066641**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Which festival is celebrated on the last day of the holy month of Ramadan?

Ans
✘ 1. Milad-un-Nabi
✔ 2. Eid-ul-Fitr
✘ 3. Shab-e-Barat
✘ 4. Eid-ul-zuha

Question ID : **26433074085**
Status : **Answered**
Chosen Option : **2**

Q.24 The craftspersons of Bidar were so famed for their inlay work in _____.

Ans
✘ 1. Gold and Bronze
✘ 2. Bronze and Silver
✘ 3. Gold and Copper
✔ 4. Copper and Silver

Question ID : **264330105445**
Status : **Not Answered**
Chosen Option : **--**

Q.25 The group of islands which form part of India and lie to the southeast of Indian mainland in Bay of Bengal is _____.

Ans
✘ 1. Lakshadweep islands
✔ 2. Andaman and Nicobar islands
✘ 3. Mannar island
✘ 4. Maldive islands

Question ID : **264330105631**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

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Q.1 Evaluate the expression $\frac{\sin^2 63^0+\sin^2 27^0}{\cos^2 17^0+\cos^2 73^0}$.

Ans
✗ 1. 0
✗ 2. 3
✓ 3. 1
✗ 4. 2

Question ID : **26433071282**
Status : **Answered**
Chosen Option : **3**

Q.2 If a : b = 4 : 5 and b : c = 3 : 10, then a : c is:

Ans
✗ 1. 4 : 10
✗ 2. 5 : 3
✗ 3. 25 : 6
✓ 4. 6 : 25

Question ID : **26433073016**
Status : **Answered**
Chosen Option : **4**

Q.3 While finding the average marks of a class, Vikas's marks were wrongly entered as 98 in place of 89. Due to this error, the average marks of the class were 0.25 more than the actual average. What is the number of students in the class?

Ans
✗ 1. 32
✗ 2. 38
✗ 3. 34
✓ 4. 36

Question ID : **26433075181**
Status : **Answered**
Chosen Option : **4**

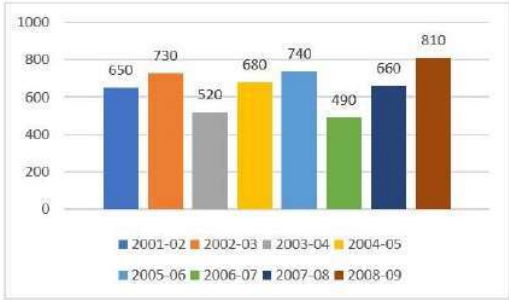
Q.4 A certain sum of money is given at a certain rate for 3 years. Had it been given at 5% higher rate, it would have fetched ₹600 more. Find the sum.

Ans
✗ 1. ₹8,000
✗ 2. ₹5,000
✗ 3. ₹6,000
✓ 4. ₹4,000

Question ID : **26433080188**
Status : **Marked For Review**
Chosen Option : **4**

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Q.5 The given bar graph shows the profit (in ₹ lakhs) made by a company from 2001-2002 to 2008-2009.



The ratio of the number of years in which the company's profit is above the average profit, to those in which the profit is below the average is:

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

Question ID : **26433080144**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **A thief stole jewellery from a shop at 8:15 p.m. and left on a bike at a speed of 60 km/h. The police were informed at 8:30 p.m. If the police want to arrest the thief at 9:00 p.m., what should be the minimum speed of the police jeep?**

Ans
✗ 1. 60 km/h
✗ 2. 75 km/h
✗ 3. 80 km/h
✓ 4. 90 km/h

Question ID : **26433085766**
Status : **Answered**
Chosen Option : **4**

Q.7 **The table given below shows the number of officers working in six companies.**

Companies	Officers
P	150
Q	250
R	350
S	100
T	200
U	550

What is the ratio of number of officers working in Q to the number of officers working in R?

Ans
✗ 1. 7 : 5
✗ 2. 6 : 7
✗ 3. 7 : 4
✓ 4. 5 : 7

Question ID : **264330105733**
Status : **Answered**
Chosen Option : **4**

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Q.8 If $K+\frac{1}{K}=3$, then what is the value of $k^2+\frac{1}{k^2}$?

Ans
✗ 1. 9
✗ 2. 6
✓ 3. 7
✗ 4. 5

Question ID : **264330105920**
Status : **Answered**
Chosen Option : **3**

Q.9 What is the value of $a^2+b^2+c^2$, if $a+b+c=9$ and $ab+bc+ca=23$?

Ans
✗ 1. 22
✗ 2. 32
✗ 3. 49
✓ 4. 35

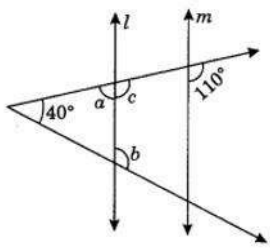
Question ID : **26433065326**
Status : **Answered**
Chosen Option : **4**

Q.10 If α is an acute angle, tan (4α − 50°) = cot (50° − α), then find the value of α (in degrees).

Ans
✗ 1. 60°
✗ 2. 45°
✓ 3. 30°
✗ 4. 90°

Question ID : **26433075373**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.11 In the following figure, if $l \parallel m$, then find the measures of angles marked by a and b.



Ans
✗ 1. $a=90°$ and $b=90°$
✗ 2. $a=55°$ and $b=125°$
✓ 3. $a=70°$ and $b=110°$
✗ 4. $a=60°$ and $b=120°$

Question ID : **26433081617**
Status : **Answered**
Chosen Option : **3**

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Q.12 The radius of a circle with centre at O is 6 cm and the central angle of a sector is 40°. Find the area of the sector.

Ans
✗ 1. $6\pi \text{ cm}^2$
✗ 2. $5\pi \text{ cm}^2$
✓ 3. $4\pi \text{ cm}^2$
✗ 4. $8\pi \text{ cm}^2$

Question ID : **26433075216**
Status : **Answered**
Chosen Option : **3**

Q.13 A and B can complete a piece of work in 13 and 17 days respectively. A begins to do the work, and they work alternatively one at a time for one day each. The whole work will be completed in:

Ans
✗ 1. $17\frac{11}{17}$ days
✗ 2. $17\frac{17}{19}$ days
✓ 3. $14\frac{11}{17}$ days
✗ 4. $11\frac{11}{17}$ days

Question ID : **26433076281**
Status : **Answered**
Chosen Option : **4**

Q.14 Nihit starts a business with Rs.700. After 5 months Amit and Patel joined him with Rs.300 and Rs.400 respectively. At the end of the year, the business gave a profit of Rs.627. Find the share of Patel in the profit.

Ans
✗ 1. Rs.127
✗ 2. Rs.145
✓ 3. Rs.132
✗ 4. Rs.156

Question ID : **26433063777**
Status : **Answered**
Chosen Option : **3**

Q.15 There are two circles which touch each other externally. The radius of the first circle with centre O is 17 cm and radius of the second circle with centre A is 7 cm. BC is a direct common tangent to these two circles, where B and C are points on the circles with centres O and A, respectively. The length of BC is:

Ans
✗ 1. $2\sqrt{118}$ cm
✓ 2. $2\sqrt{119}$ cm
✗ 3. $2\sqrt{113}$ cm
✗ 4. $2\sqrt{117}$ cm

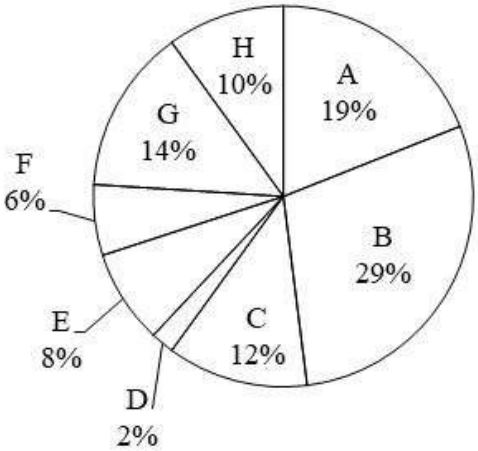
Question ID : **26433083071**
Status : **Answered**
Chosen Option : **2**

Q.16 In a ΔPRQ, AB is drawn parallel to QR, cutting sides at A and B where length of PQ = 6cm, length of QR = 8cm and length of QA = 3cm. What is the length of AB?

Ans
✔ 1. 4.0 cm
✘ 2. 4.2 cm
✘ 3. 5.0 cm
✘ 4. 2.4 cm

Question ID : **26433075361**
Status : **Answered**
Chosen Option : **2**

Q.17 The pie chart given below shows the number of boys in 8 schools. The total number of boys in all these 8 school is 10,000. Number of boys in a particular school is shown as a percent of total number of boys in all these 8 schools.



What is the ratio of total central angle formed by sector C, D and F to the total central angle formed by sector A, G and H?

Ans
✔ 1. 20 : 43
✘ 2. 44 : 21
✘ 3. 17 : 39
✘ 4. 19 : 44

Question ID : **264330105774**
Status : **Answered**
Chosen Option : **1**

Q.18 If $x + \frac{1}{x} = 2\sqrt{5}$ where $x > 1$, then the value of $x^3 - \frac{1}{x^3}$ is:

Ans
✘ 1. 82
✔ 2. 76
✘ 3. 86
✘ 4. 78

Question ID : **26433074500**
Status : **Answered**
Chosen Option : **3**

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Q.19 If 7-digit number 678p37q is divisible by 75 and p is not a composite, then the values of p and q are:

Ans
✗ 1. p = 5, q = 5
✗ 2. p = 3, q = 0
✓ 3. p = 3, q = 5
✗ 4. p = 2, q = 5

Question ID : **26433074979**
Status : **Not Answered**
Chosen Option : **--**

Q.20 If $\text{Tan A Tan B} + \frac{\cos x}{\cos A \cos B} = 1$, then $x = ?$

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

Question ID : **26433061625**
Status : **Not Answered**
Chosen Option : **--**

Q.21 If the cost of 20 books is equal to the selling price of 18 books, then the gain percentage is:

Ans
✓ 1. $11\frac{1}{9}\%$
✗ 2. $11\frac{1}{3}\%$
✗ 3. $11\frac{2}{9}\%$
✗ 4. $10\frac{1}{9}\%$

Question ID : **26433063465**
Status : **Answered**
Chosen Option : **1**

Q.22 A cuboid of sides 12 cm, 18 cm and 27 cm is melted to form a cube. What is the ratio of the total surface area of the cuboid to that of the cube?

Ans
✗ 1. 18 : 17
✗ 2. 17 : 19
✓ 3. 19 : 18
✗ 4. 17 : 23

Question ID : **26433065026**
Status : **Not Answered**
Chosen Option : **--**

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Q.23 **A dealer offers 45% discount on a packet. She offers a further discount of 25% on the reduced price on cash payment. What does a customer has to pay for the packet of ₹2,800, in cash, to avail both discounts?**

Ans
1. ₹1,480
2. ₹1,350
3. ₹1,155
4. ₹1,230

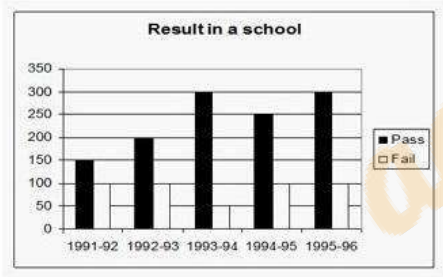
Question ID : **26433076079**
Status : **Answered**
Chosen Option : **3**

Q.24 If the HCF of xy^3, x^2y and x^3y^4 is xy, then their LCM is _____.

Ans
1. x^3y^4
2. x^3y^3
3. x^4y^3
4. x^4y^4

Question ID : **26433080085**
Status : **Not Answered**
Chosen Option : **--**

Q.25 The following graph shows the results of students in a school.



In which years is the difference in number of students who passed to those who failed maximum?

Ans
1. 1991 - 92
2. 1993 - 94
3. 1992 - 93
4. 1994 - 95

Question ID : **26433081454**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

Q.1 **Select the option that expresses the given sentence in passive voice.**

One should keep one's promise.

Ans
✓ 1. Promises should be kept.
✗ 2. One should keep their promise.
✗ 3. One's promise should be kept by one.
✗ 4. Promises should be kept by one.

Question ID : **26433097540**
Status : **Answered**
Chosen Option : **2**

Q.2 **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'.**

It <u>was an horrible day at the office</u> for Roy, but he didn't allow it to spoil his evening plans.

Ans
✓ 1. was a horrible day at the office
✗ 2. were a horrible day at office
✗ 3. No substitution
✗ 4. horrible day at the office

Question ID : **26433073944**
Status : **Answered**
Chosen Option : **1**

Q.3 **Identify the most appropriate ANTONYM of the underlined word in the given sentence.**
A balloon <u>contracts</u> when air is blown into it.

Ans
✗ 1. Controls
✗ 2. Repulses
✗ 3. Shrinks
✓ 4. Expands

Question ID : **26433060410**
Status : **Answered**
Chosen Option : **3**

Q.4 **Select the most appropriate synonym of the given word.**

Empty

Ans
✗ 1. Priceless
✓ 2. Vacant
✗ 3. Packed
✗ 4. Filled

Question ID : **26433060887**
Status : **Answered**
Chosen Option : **2**

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Q.5 **Select the most appropriate synonym of the given word.**

Wavering

Ans
1. Sickly
2. Drenching
3. Fluctuating
4. Unconvincing

Question ID : **26433072198**
Status : **Answered**
Chosen Option : **3**

Q.6 **Select the most appropriate collocation to substitute the underlined word in the given sentence.**

The MNC is about to <u>be bankrupt</u>, according to reliable sources.

Ans
1. take bankrupt
2. go bankrupt
3. come bankrupt
4. give bankrupt

Question ID : **26433074008**
Status : **Answered**
Chosen Option : **2**

Q.7 **In the given sentence, one word may have been incorrectly spelt. Select the correctly spelt word from the given alternatives. If there is no error, select 'No error' as your answer.**

The staff members were attempting to manoeuvre the board of directors for the abolition of pay disparity

Ans
1. manouever
2. manoeuver
3. manouvre
4. No error

Question ID : **26433070554**
Status : **Answered**
Chosen Option : **2**

Q.8 **Select the correct active form of the given sentence.**
Her wooden almirah has been destroyed by the termites.

Ans
1. The termites destroyed her wooden almirah.
2. The termites could destroy her wooden almirah.
3. The termites had destroyed her wooden almirah.
4. The termites have destroyed her wooden almirah.

Question ID : **264330104594**
Status : **Answered**
Chosen Option : **4**

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Q.9 Choose the correct meaning of the given idiom.
Down the tubes

Ans
1. Minting money
2. Failing completely
3. Being informal
4. Going to swim

Question ID : **26433066055**
Status : **Answered**
Chosen Option : **2**

Q.10 Rearrange the parts of the sentence in correct order.
The researchers
P. decision centers called the orbitofrontal
Q. analyzed the electrical activity recorded
R. cortex and dorsal anterior cingulate cortex
S. from neurons in two of the brain's

Ans
1. QSPR
2. RSPQ
3. RPQS
4. PQSR

Question ID : **264330104691**
Status : **Answered**
Chosen Option : **4**

Q.11 Select the appropriate adverb for the underlined word in the sentence.

We considered <u>in brief</u> the long term solution to the problem.

Ans
1. briefly
2. briefless
3. brief
4. briefness

Question ID : **26433073888**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence.
My uncle is a colonel who gets <u>extremely angry</u> over petty issues every now and then.

Ans
1. furious
2. fierce
3. heated
4. violent

Question ID : **26433086465**
Status : **Answered**
Chosen Option : **1**

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Q.13 **Select the correct direct form of the given sentence.**
Rohan asked me if Rohit still cried

Ans
1. Rohan said to me, “Did Rohit still cry?”
2. Rohan says to me, “Does Rohit still cry?”
3. Rohan said to me, “Does Rohit still cry?”
4. Rohan said to me, “Has Rohit still cried?”

Question ID : **264330104646**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the INCORRECTLY spelt word in the following sentence.**
In the coming millenium, some noticeable technological advancements will be accomplished.

Ans
1. noticeable
2. technological
3. advancements
4. millenium

Question ID : **26433060813**
Status : **Answered**
Chosen Option : **3**

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

APJ Abdul Kalam’s house, located on Mosque Street was within the reach of the famous temple of Rameswaram. It was just_____from it.

Ans
1. a stone’s throw away
2. at one’s fingertip
3. at arm’s length
4. from pillar to post

Question ID : **26433070540**
Status : **Answered**
Chosen Option : **1**

Q.16 **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.On my way to school, I met my uncle who had returned from England.
B.Then I invited him to my place.
C.He was very pleased to see me and asked about my parents.
D.On he asking me about my parents, I told him my father recalls him frequently.

Ans
1. CABD
2. ABCD
3. ACDB
4. BACD

Question ID : **26433072380**
Status : **Answered**
Chosen Option : **3**

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Q.17 Select the most appropriate ANTONYM of the given word.

part

Ans
1. Fragment
2. Joint
3. Bit
4. Whole

Question ID : **26433063162**
Status : **Answered**
Chosen Option : **4**

Q.18 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The scooter that / I am using / these days is belonging / to my brother.

Ans
1. to my brother
2. I am using
3. The scooter that
4. these days is belonging

Question ID : **26433088153**
Status : **Answered**
Chosen Option : **4**

Q.19 Select the option that can be used as a one-word substitute for the given group of words.

To keep postponing doing a task later because you're lazy

Ans
1. Procrastinate
2. Multi-task
3. Leave
4. Diligent

Question ID : **26433071815**
Status : **Answered**
Chosen Option : **1**

Q.20 Select the most appropriate collocating word to fill in the blank.

There is_____traffic every morning.

Ans
1. long
2. heavy
3. big
4. lengthy

Question ID : **26433070449**
Status : **Answered**
Chosen Option : **2**

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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.

Deforestation, wildfires and pollution cause animals (1) _____lose their homes. Animals may be (2) _____ by their surroundings. Most individuals are (3) _____ that they are taking down an animal's home when they cut down trees for wood. Animal (4) _____ is also lost as a result of wildfires. The main causes of an animal becoming (5)_____ are poaching and smuggling. Pollution is extremely harmful to animals and their environments. Animals are interested and try to eat the pollution-causing things. Furthermore, some rivers and natural resources are becoming polluted, forcing animals to relocate.

SubQuestion No : 21

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

Ans

✔ 1. to

✘ 2. from

✘ 3. through

✘ 4. of

Question ID : **26433084787**
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.

Deforestation, wildfires and pollution cause animals (1) _____lose their homes. Animals may be (2) _____ by their surroundings. Most individuals are (3) _____ that they are taking down an animal's home when they cut down trees for wood. Animal (4) _____ is also lost as a result of wildfires. The main causes of an animal becoming (5)_____ are poaching and smuggling. Pollution is extremely harmful to animals and their environments. Animals are interested and try to eat the pollution-causing things. Furthermore, some rivers and natural resources are becoming polluted, forcing animals to relocate.

SubQuestion No : 22

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

Ans

✘ 1. effected

✘ 2. obsoleted

✘ 3. intensified

✔ 4. affected

Question ID : **26433084788**
Status : **Answered**
Chosen Option : **4**

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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.

Deforestation, wildfires and pollution cause animals (1) _____lose their homes. Animals may be (2) _____ by their surroundings. Most individuals are (3) _____ that they are taking down an animal's home when they cut down trees for wood. Animal (4) _____ is also lost as a result of wildfires. The main causes of an animal becoming (5)_____ are poaching and smuggling. Pollution is extremely harmful to animals and their environments. Animals are interested and try to eat the pollution-causing things. Furthermore, some rivers and natural resources are becoming polluted, forcing animals to relocate.

SubQuestion No : 23

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

Ans

✗ 1. apprehensive

✓ 2. unaware

✗ 3. bad

✗ 4. conscious

Question ID : **26433084789**
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.

Deforestation, wildfires and pollution cause animals (1) _____lose their homes. Animals may be (2) _____ by their surroundings. Most individuals are (3) _____ that they are taking down an animal's home when they cut down trees for wood. Animal (4) _____ is also lost as a result of wildfires. The main causes of an animal becoming (5)_____ are poaching and smuggling. Pollution is extremely harmful to animals and their environments. Animals are interested and try to eat the pollution-causing things. Furthermore, some rivers and natural resources are becoming polluted, forcing animals to relocate.

SubQuestion No : 24

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

Ans

✗ 1. environment

✓ 2. habitat

✗ 3. husbandry

✗ 4. domain

Question ID : **26433084790**
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.

Deforestation, wildfires and pollution cause animals (1) _____lose their homes. Animals may be (2) _____ by their surroundings. Most individuals are (3) _____ that they are taking down an animal's home when they cut down trees for wood. Animal (4) _____ is also lost as a result of wildfires. The main causes of an animal becoming (5)_____ are poaching and smuggling. Pollution is extremely harmful to animals and their environments. Animals are interested and try to eat the pollution-causing things. Furthermore, some rivers and natural resources are becoming polluted, forcing animals to relocate.

SubQuestion No : 25

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

Ans

✗ 1. wild

✓ 2. endangered

✗ 3. infused

✗ 4. destructive

Question ID : **26433084791**
Status : **Answered**
Chosen Option : **4**

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