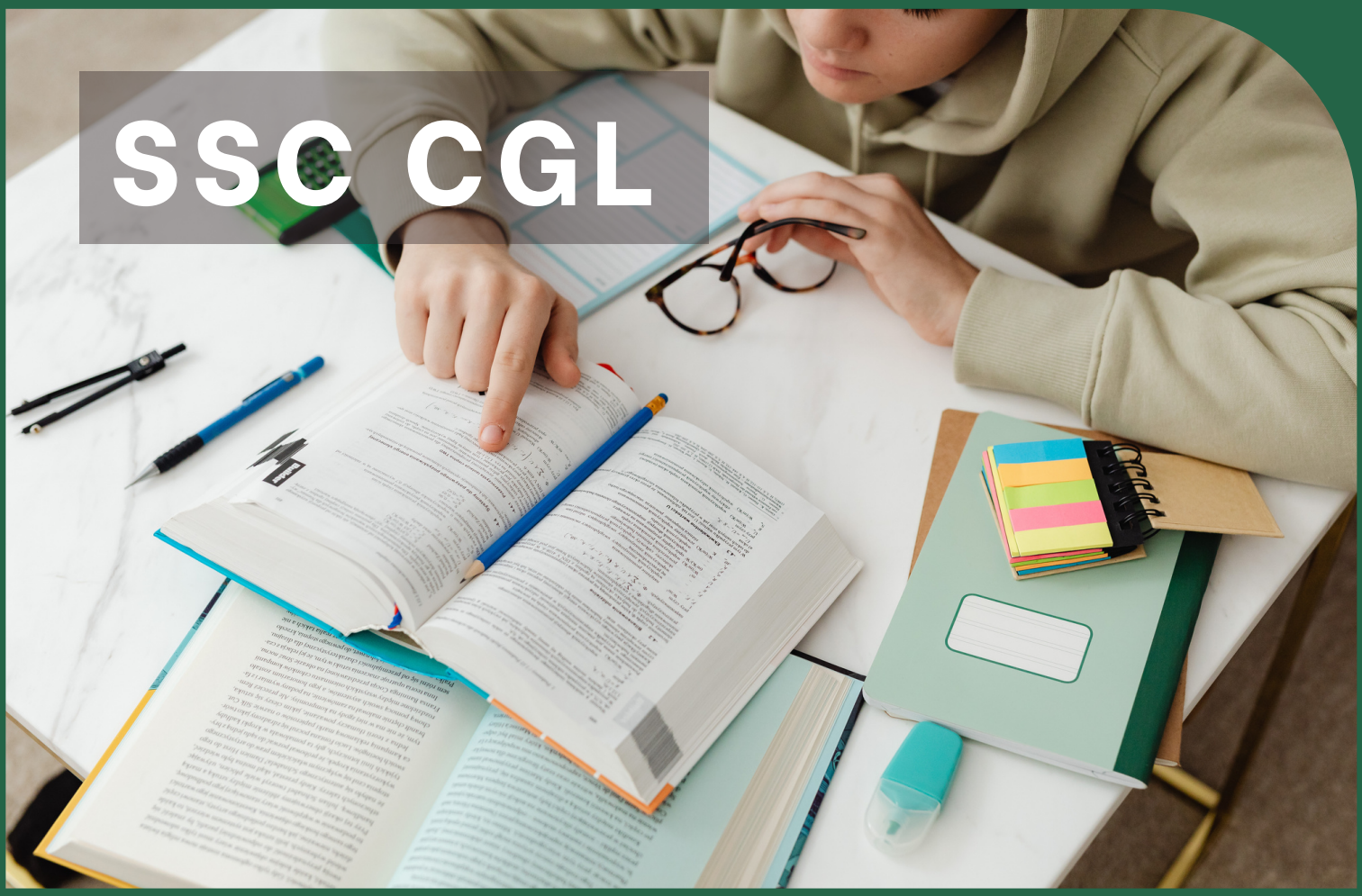


Question Paper

Staff Selection Commission
Combined Graduated Level
Examination

Prepared by:
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SSC CGL 2022 TIER 1 December 5, 2022 SHIFT 2 QUESTION PAPER

Exam Date	05/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1- Accusable
2- Acerbity
3- Accursed
4- Acetify
5- Accuser

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

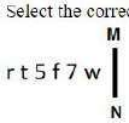
Question ID : **26433079444**
Status : **Answered**
Chosen Option : **1**

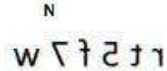
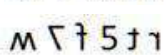
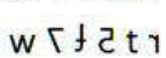
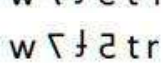
Q.2 **A & B means 'A is the wife of B'**
A # B means 'A is the father of B'
A @ B means 'A is the son B'
A % B means 'A is the husband of B'
A + B means 'A is the mother of B'
If A & B # C & D @ E % F + G, then how is D related to G?

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

Question ID : **26433065963**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

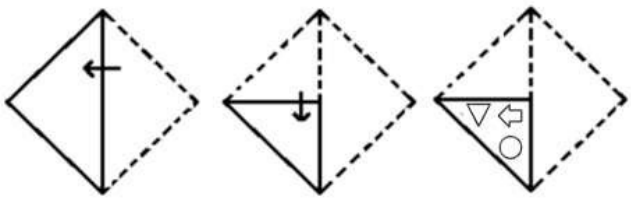


Ans
✓ 1. 
✗ 2. 
✗ 3. 
✗ 4. 

Question ID : **26433068205**
Status : **Answered**
Chosen Option : **1**

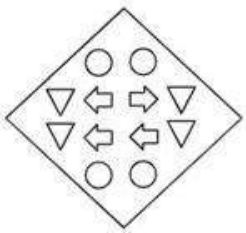
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Q.4 A paper is folded and cut as shown below. How will it appear when unfolded?

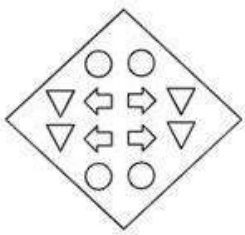


Ans

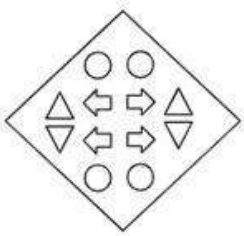
✗ 1.



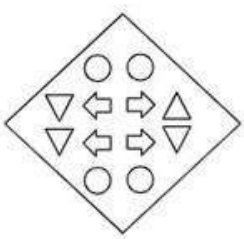
✗ 2.



✓ 3.



✗ 4.



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Question ID : **26433080559**
Status : **Answered**
Chosen Option : **3**

Q.5 **Which number will replace the question mark (?) in the following series?**
729, 243, ?, 27, 9, 3

Ans

✗ 1. 54

✗ 2. 78

✓ 3. 81

✗ 4. 36

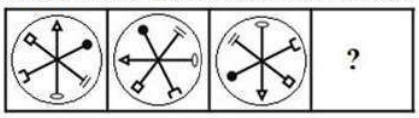
Question ID : **26433067590**
Status : **Answered**
Chosen Option : **3**

Q.6 In a certain code language, 'OXYGEN' is written as 'QZAIGP' and 'MIND' is written as 'OKPF'. how will 'DOCTOR' be written in that language?

Ans
✗ 1. FQEUPS
✗ 2. EQDUPS
✓ 3. FQEVQT
✗ 4. EQEVQT

Question ID : **26433067764**
Status : **Answered**
Chosen Option : **3**

Q.7 Select a suitable figure from the answer figures which would replace the question mark (?).



Ans
✗ 1. 
✓ 2. 
✗ 3. 
✗ 4. 

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Question ID : **26433066045**
Status : **Answered**
Chosen Option : **2**

Q.8 **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).
(5 : 25 : 30)
(16 : 256 : 272)

Ans
✗ 1. (15 : 225 : 230)
✗ 2. (9 : 81 : 109)
✗ 3. (19 : 361 : 381)
✓ 4. (13 : 169 : 182)

Question ID : **26433074554**
Status : **Not Answered**
Chosen Option : **--**

Q.9 By Interchanging the given two numbers which of the following equation will be correct?
7 and 4

Ans
1. 4 – 7 + 6 ÷ 2 × 3 = 12
2. 4 × 3 + 7 – 9 ÷ 3 = 20
3. 7 + 4 × 2 – 6 ÷ 2 = 17
4. 7 + 5 × 2 – 4 ÷ 1 = 9

Question ID : **264330105095**
Status : **Answered**
Chosen Option : **1**

Q.10 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. 12 – 50
2. 8 – 36
3. 10 – 44
4. 18 – 76

Question ID : **264330105067**
Status : **Not Answered**
Chosen Option : **--**

Q.11 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.
729 : 90 :: ? : 56 :: 512 : 72

Ans
1. 323
2. 343
3. 352
4. 335

Question ID : **26433069097**
Status : **Answered**
Chosen Option : **2**

Q.12 In a certain code language, 'STAR' is coded as '92678' and 'FLAG' is coded as '20261521'. How will 'LOGO' be coded in that language?

Ans
1. 12201215
2. 12221214
3. 15122012
4. 12201325

Question ID : **26433067334**
Status : **Not Answered**
Chosen Option : **--**

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Q.13 Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

$72 + (7 \times 8) - (126 \div 14) - (4)^2 = 150$

Ans
1. 72 and 126
2. 7 and 4
3. 8 and 4
4. 14 and 7

Question ID : **26433069208**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

17 : 4607 :: 11 : ? :: 23 : 11615

Ans
1. 1440
2. 1572
3. 1463
4. 1199

Question ID : **26433068374**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

AREA : BRFA :: BABY : CACY :: GOLD : ?

Ans
1. IOMD
2. HOME
3. HOMD
4. HOND

Question ID : **26433068509**
Status : **Answered**
Chosen Option : **3**

Q.16 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 colour are small.
II. No small are big.
Conclusion:
I. All small are colour.
II. Some small are colour.
III. All big are colour.

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

Question ID : **264330104940**
Status : **Answered**
Chosen Option : **1**

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Q.17 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. ZWSQ
✘ 2. TRNL
✘ 3. PNJH
✘ 4. JHDB

Question ID : **26433065665**
Status : **Answered**
Chosen Option : **1**

Q.18 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
TMT, ZOB, FQJ, LSR, ?

Ans
✘ 1. RYO
✘ 2. RZO
✔ 3. RUZ
✘ 4. RZQ

Question ID : **264330104802**
Status : **Answered**
Chosen Option : **3**

Q.19 Which of the following letter-clusters will replace the question mark (?) in the given series?
WNM, ULO, SJQ, QHS, ?

Ans
✔ 1. OFU
✘ 2. PFS
✘ 3. OGU
✘ 4. PGT

Question ID : **26433057988**
Status : **Answered**
Chosen Option : **1**

Q.20 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 books are pencils.
Some pencils are pens.
All pens are erasers.
Conclusions:
I. Some erasers are pencils.
II. All pens are books.
III. Some erasers are pens.

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

Question ID : **26433070400**
Status : **Answered**
Chosen Option : **3**

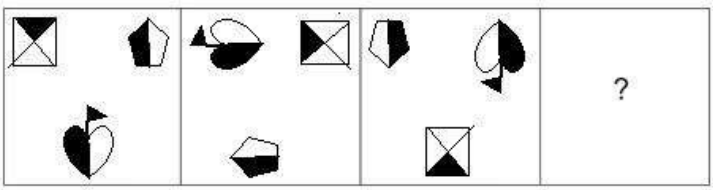
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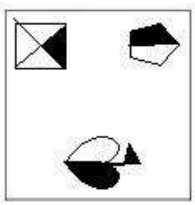
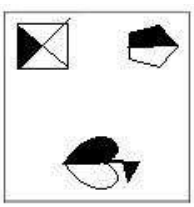
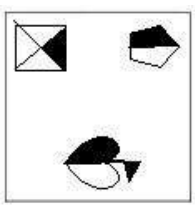
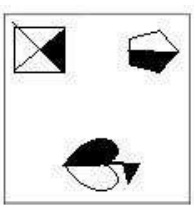
Q.21 If A ÷ B means that A is the mother of B, A – B means that A is the father of B, A + B means that A is the sister of B, then which of the following expression shows that P is the mother of R?

Ans
✗ 1. P + Q – R
✓ 2. P ÷ Q + R
✗ 3. P – R + Q
✗ 4. Q + P – R

Question ID : **264330104961**
Status : **Answered**
Chosen Option : **2**

Q.22 Select the figure that will come next in the following figure series.



Ans
✗ 1.

✗ 2.

✓ 3.

✗ 4.


Question ID : **26433083105**
Status : **Not Answered**
Chosen Option : **--**

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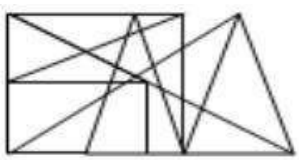
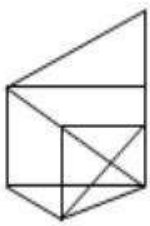
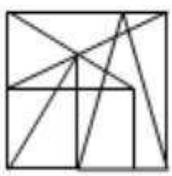
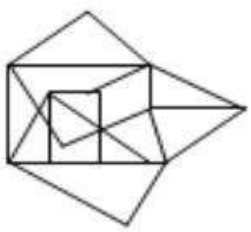
Q.23 **Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.**
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/numbers of consonants/vowels in the word)
Race : Track

Ans
✔ 1. Athletics : Stadium
✘ 2. Cart : Wheel
✘ 3. Wrestling : Court
✘ 4. Exercise : Course

Question ID : **26433090235**
Status : **Answered**
Chosen Option : **2**

Q.24 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

(X) 

Ans
✘ 1. 
✘ 2. 
✘ 3. 
✔ 4. 

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Question ID : **26433068897**
Status : **Answered**
Chosen Option : **4**

Q.25 By interchanging the given two signs and numbers which of the following equation will be not correct?
÷ and ×, 1 and 3

Ans
1. 6 ÷ 3 – 1 + 4 × 2 = 5
2. 4 × 3 – 1 + 8 ÷ 2 = 9
3. 5 – 8 × 3 + 9 ÷ 1 = 24
4. 6 + 4 – 9 × 3 ÷ 1 = –17

Question ID : **264330105143**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 A group of ribosomes attached to mRNA is known as:

Ans
1. polypeptide
2. polysomes
3. polymer
4. monomer

Question ID : **26433086611**
Status : **Answered**
Chosen Option : **2**

Q.2 Kelucharan Mohapatra, awarded with the Padma Vibhushan in the year 2000, was a dancer of which of the following classical dance forms?

Ans
1. Odissi
2. Kathakali
3. Kathak
4. Manipuri

Question ID : **26433064303**
Status : **Not Answered**
Chosen Option : **--**

Q.3 The Right to Freedom of Religion is contained within which Articles of the Constitution of India?

Ans
1. Article 19 to Article 22
2. Article 29 to Article 30
3. Article 25 to Article 28
4. Article 14 to Article 18

Question ID : **26433074888**
Status : **Answered**
Chosen Option : **1**

Q.4 Which of the following is NOT an indirect tax?

Ans
1. Excise tax
2. Goods and Services tax
3. Customs duty
4. Wealth tax

Question ID : **264330105368**
Status : **Answered**
Chosen Option : **4**

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Q.5 Under which scheme, Lieutenant Governor Manoj Sinha inaugurated "UMEED Market Place" in Jammu and Kashmir?

Ans
- ✗ 1. Stand Up India Scheme
- ✗ 2. Ujjwala scheme
- ✓ 3. AVSAR Scheme of Airport Authority of India
- ✗ 4. KUSUM scheme

Question ID : **264330105315**
Status : **Answered**
Chosen Option : **1**

Q.6 The bird like pheasant and monals are found in which type of forest?

Ans
- ✓ 1. Temperate deciduous forest
- ✗ 2. Tropical evergreen forest
- ✗ 3. Temperate evergreen forest
- ✗ 4. Mediterranean forests

Question ID : **264330105646**
Status : **Answered**
Chosen Option : **1**

Q.7 In which of the following years was the first train run in India?

Ans
- ✓ 1. 1853
- ✗ 2. 1854
- ✗ 3. 1852
- ✗ 4. 1855

Question ID : **26433089223**
Status : **Answered**
Chosen Option : **4**

Q.8 Which of the following dance forms is mentioned in the ancient text of Vyavaharmala?

Ans
- ✗ 1. Sattriya
- ✓ 2. Mohiniyattam
- ✗ 3. Manipuri
- ✗ 4. Odissi

Question ID : **26433054313**
Status : **Not Answered**
Chosen Option : **--**

Q.9 The SI unit of electric charge is a _____.

Ans
- ✓ 1. coulomb
- ✗ 2. watt
- ✗ 3. newton
- ✗ 4. joule

Question ID : **26433066452**
Status : **Answered**
Chosen Option : **1**

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Q.10 In September 2022, the Supreme Court allowed all women, irrespective of their marital status, to safely and legally abort their child till _____of pregnancy under the Medical Termination of Pregnancy (MTP) Act.

Ans
1. 30 weeks
2. 15 weeks
3. 24 weeks
4. 18 weeks

Question ID : **264330105217**
Status : **Answered**
Chosen Option : **3**

Q.11 Which Article of the Constitution of India mentions that business in Parliament shall be transacted in Hindi or English?

Ans
1. Article 120
2. Article 121
3. Article 122
4. Article 119

Question ID : **26433064724**
Status : **Not Answered**
Chosen Option : **--**

Q.12 In 1526, the battle of Panipat was fought between _____.

Ans
1. Babur and Rana Sanga
2. Akbar and Hemu
3. Humayun and Sher Khan
4. Babur and Ibrahim Lodi

Question ID : **264330105432**
Status : **Answered**
Chosen Option : **4**

Q.13 Highest sex ratio according to census 2011 is of which state?

Ans
1. Chhattisgarh
2. Andhra Pradesh
3. Tamil Nadu
4. Kerala

Question ID : **264330105511**
Status : **Answered**
Chosen Option : **4**

Q.14 The age range for the Youth Boxer category is:

Ans
1. 15 – 16 years
2. 19 – 20 years
3. 17 – 18 years
4. 13 – 18 years

Question ID : **26433059431**
Status : **Not Answered**
Chosen Option : **--**

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Q.15 Hot, dry winds blowing in the Northern plain in India are known as _____.

Ans
1. North easterly winds
2. Westerlies
3. Loo
4. Nor westers

Question ID : **26433066506**
Status : **Answered**
Chosen Option : **3**

Q.16 In which of the following Indian states is Lokrang festival observed?

Ans
1. Jharkhand
2. Gujarat
3. Rajasthan
4. Madhya Pradesh

Question ID : **26433064696**
Status : **Not Answered**
Chosen Option : **--**

Q.17 In which among the following period Catal Huyuk was one of the most famous sites?

Ans
1. Neolithic
2. Mesolithic
3. Palaeolithic
4. Chalcolithic

Question ID : **264330105169**
Status : **Not Answered**
Chosen Option : **--**

Q.18 In 1600, the East India company acquired a charter from which ruler?

Ans
1. King George-I
2. Queen Elizabeth-I
3. Queen victoria
4. King James-I

Question ID : **264330105549**
Status : **Answered**
Chosen Option : **1**

Q.19 'Imperfect' is an autobiography of:

Ans
1. Rahul Dravid
2. Ravi Shastri
3. Milkha Singh
4. Sanjay Manjrekar

Question ID : **26433054372**
Status : **Not Answered**
Chosen Option : **--**

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Q.20 Which of the followings HYV seeds is/are associated with the Green Revolution in India?
(A) Rice
(B) Wheat

Ans
✔ 1. Both A and B
✘ 2. Only A
✘ 3. Neither A nor B
✘ 4. Only B

Question ID : **26433054817**
Status : **Answered**
Chosen Option : **1**

Q.21 In Tennis which of the following scores is a complete set?

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

Question ID : **26433059441**
Status : **Answered**
Chosen Option : **3**

Q.22 Identify a protein-digesting enzyme.

Ans
✘ 1. lipase
✘ 2. Amylase
✘ 3. Collagen
✔ 4. Pepsin

Question ID : **26433087859**
Status : **Answered**
Chosen Option : **2**

Q.23 Which of the following became India's first State Assembly to implement the National e-Vidhan Application (NeVA) programme to become paperless?

Ans
✘ 1. Haryana
✘ 2. Tripura
✔ 3. Nagaland
✘ 4. Assam

Question ID : **264330105251**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Who among the following ruler ruled before Prithviraj Chauhan over Delhi?

Ans
✘ 1. Ghiyasuddin Balban
✔ 2. Ananga Pala
✘ 3. Jalaluddin Khalji
✘ 4. Qutbuddin Aybak

Question ID : **264330105421**
Status : **Not Answered**
Chosen Option : **--**

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Q.25 Motion of an object is _____ if its velocity is constant.

Ans
✗ 1. only accelerating
✗ 2. only decelerating
✗ 3. non-uniform
✓ 4. uniform

Question ID : **264330105470**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 $cos^2 35° + cos55°.sin35° + \frac{tan34°}{cot56°} =$ _____.

Ans
✓ 1. 2
✗ 2. 3
✗ 3. 4
✗ 4. 1

Question ID : **26433056360**
Status : **Answered**
Chosen Option : **1**

Q.2 The total surface area of a cube is 1536 m^2.Find its volume.

Ans
✗ 1. $216\ m^3$
✗ 2. $125\ m^3$
✓ 3. $4096\ m^3$
✗ 4. $729\ m^3$

Question ID : **26433063910**
Status : **Answered**
Chosen Option : **3**

Q.3 A certain sum of money becomes triple of itself in 26 years at simple interest. In how many years it will becomes five times of itself?

Ans
✗ 1. 64 years
✓ 2. 52 years
✗ 3. 56 years
✗ 4. 60 years

Question ID : **264330105673**
Status : **Not Answered**
Chosen Option : **--**

Q.4 On dividing a certain number by 363, we get 17 as the remainder. What will be the remainder when the same number is divided by 11?

Ans
✗ 1. 7
✗ 2. 8
✓ 3. 6
✗ 4. 9

Question ID : **26433075179**
Status : **Not Answered**
Chosen Option : **--**

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Q.5 If $a - b = 2$ and $a^3 - b^3 = 80$, then what will be the value of ab?

Ans
✔ 1. 12
✘ 2. −24
✘ 3. 24
✘ 4. −12

Question ID : **26433076425**
Status : **Not Answered**
Chosen Option : **--**

Q.6 If $\frac{1}{x^2 + a^2} = x^2 - a^2$, then the value of x is:

Ans
✘ 1. $(1 - a^4)^{1/4}$
✘ 2. a
✘ 3. $(a^4 - 1)^{1/4}$
✔ 4. $(a^4 + 1)^{1/4}$

Question ID : **26433079988**
Status : **Not Answered**
Chosen Option : **--**

Q.7 The following table shows the shares traded on Mumbai, Rajasthan, Uttar Pradesh and Uttarakhand stock exchanges:

	Mumbai		Uttarakhand		Rajasthan		Uttar Pradesh	
Name of the company	High	Low	High	Low	High	Low	High	Low
Aata tea	540	395	450	4255	320	510	440	310
Kolgate	34	57	60	42	25	60	20	70
Jmbuja cement	150	155	120	125	160	135	145	170

The average of the high rates of the shares in all the four stock exchanges for Kolgate is:

Ans
✔ 1. ₹34.75
✘ 2. ₹51.07
✘ 3. ₹52.04
✘ 4. ₹63.21

Question ID : **26433080058**
Status : **Answered**
Chosen Option : **1**

Q.8 The speed of a boat in still water is $5\frac{1}{3}$ km/h. It is found that the boat takes thrice as much time to row up than it does to row down the same distance in the river stream. Find the speed of the river stream.

Ans
1. $\frac{23}{27}$ m/sec
2. $\frac{22}{27}$ m/sec
3. $\frac{20}{27}$ m/sec
4. $\frac{19}{27}$ m/sec

Question ID : **26433074730**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **The largest five-digit number which when divided by 7, 9 and 11, leaves the same remainder as 3 in each case, is:**

Ans
1. 95840
2. 98685
3. 96720
4. 99795

Question ID : **26433079823**
Status : **Not Answered**
Chosen Option : **--**

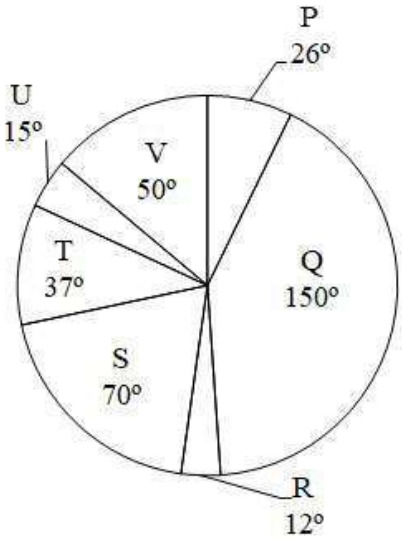
Q.10 **If the ratio of area of two similar triangles is $\sqrt{3}:\sqrt{2}$ then what is the ratio of the corresponding sides of the two triangles?**

Ans
1. 9 : 4
2. 3 : 2
3. $\sqrt[3]{3}:\sqrt[3]{2}$
4. $\sqrt[4]{3}:\sqrt[4]{2}$

Question ID : **264330105827**
Status : **Answered**
Chosen Option : **4**

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Q.11 The pie chart given below shows the sales of 7 different companies. The total sales of all these 7 companies is 2160. The sale of a particular company is shown in terms of degree with respect to the total sales of all these 7 companies.



The total sales of P, R and S are how much percent less than the total sales of Q, T and U?

Ans
✗ 1. 56.42 percent
✗ 2. 24.42 percent
✓ 3. 46.53 percent
✗ 4. 32.32 percent

Question ID : **264330105777**
Status : **Not Answered**
Chosen Option : **--**

Q.12 $\sqrt{\frac{1+\cos\theta}{1-\cos\theta}}+\sqrt{\frac{1-\cos\theta}{1+\cos\theta}}=$ _____.

Ans
✗ 1. $2\sin\theta$
✗ 2. $2\cos\theta$
✓ 3. $2\,\text{cosec}\,\theta$
✗ 4. $2\sec\theta$

Question ID : **26433058179**
Status : **Answered**
Chosen Option : **1**

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Q.13 The table given below shows the marks obtained by two students in 6 subjects.

	Students	
Subjects	A	B
P	180	90
Q	240	420
R	360	390
S	300	210
T	60	270
U	330	120

What is the difference between the total marks obtained by A and B in all the 6 subjects?

Ans
✗ 1. 40
✓ 2. 30
✗ 3. 20
✗ 4. 50

Question ID : **264330105738**
Status : **Answered**
Chosen Option : **2**

Q.14 ΔABC and ΔDEF are congruent respectively. If AB = 6 = DE, BC = 8 = EF and m ∠B = 30°, then m ∠D + m ∠C =_____.

Ans
✗ 1. 160°
✗ 2. 120°
✗ 3. 130°
✓ 4. 150°

Question ID : **26433066250**
Status : **Answered**
Chosen Option : **4**

Q.15 The following table gives the percentage of marks obtained by six students in six different subjects in an examination.

	English (100)	Science (100)	Mathematics (100)	Social Science (100)	Hindi (100)	Computer Science (100)
A	75	58	72	68	63	73
B	82	85	74	36	52	65
C	65	58	61	63	68	75
D	84	78	72	73	65	68
E	78	72	59	63	71	72
F	74	68	75	82	88	86

The number of students who obtained 60% marks and above in all subjects is:

Ans
✗ 1. 3
✗ 2. 1
✓ 3. 2
✗ 4. 4

Question ID : **26433082621**
Status : **Answered**
Chosen Option : **3**

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Q.16 If an angle of a right-angled triangle is 35°, then find the other angles.

Ans
1. 90° and 75°
2. 90° and 35°
3. 90° and 55°
4. 90° and 45°

Question ID : **26433074347**
Status : **Answered**
Chosen Option : **3**

Q.17 A dishonest dealer sells a product at 11% loss on cost price, but uses 22% less weight. What is his percentage profit or loss?

Ans
1. 14.1% loss
2. 14.1% gain
3. 11.4% gain
4. 11.4 % loss

Question ID : **26433065072**
Status : **Not Answered**
Chosen Option : **--**

Q.18 A shopkeeper earns 10% on an investment but loses 20% on another investment. If the ratio of the two investments is 2 : 3, then the combined loss percentage is:

Ans
1. 5.5%
2. 7%
3. 6%
4. 8%

Question ID : **26433075490**
Status : **Answered**
Chosen Option : **4**

Q.19 Which of the following statement is correct?

I. The value of $100^2-99^2+98^2-97^2+96^2-95^2+94^2-93^2+.....+22^2-21^2$ is 4840.

II. The value of $\left(k^2+\frac{1}{k^2}\right)\left(k-\frac{1}{k}\right)\left(k^4+\frac{1}{k^4}\right)\left(k+\frac{1}{k}\right)\left(k^4-\frac{1}{k^4}\right)$ is $k^{16}-\frac{1}{k^{16}}$.

Ans
1. Neither I nor II
2. Only II
3. Only I
4. Both I and II

Question ID : **264330105967**
Status : **Not Answered**
Chosen Option : **--**

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Q.20 A contractor decided to complete a work in 80 days and employed 60 men at the beginning and 20 men additionally after 20 days and got the work completed as per schedule. If he had not employed the additional men, how many extra days would he have needed to complete the work (round off to the nearest integer)?

Ans
✗ 1. 32 days
✓ 2. 20 days
✗ 3. 30 days
✗ 4. 26 days

Question ID : **26433075244**
Status : **Not Answered**
Chosen Option : **--**

Q.21 The length of the side of a cube is 4.2 cm. What is the volume of the largest sphere that can be taken out of the cube?

Ans
✗ 1. 26.40 cm^3
✗ 2. 20.50 cm^3
✓ 3. 38.80 cm^3
✗ 4. 48.60 cm^3

Question ID : **264330105883**
Status : **Not Answered**
Chosen Option : **--**

Q.22 A tradesman marks his goods 20% above his cost price. If he allows his customer 20% discount on the marked price, how much profit or loss does he make, if any:

Ans
✗ 1. 2% loss
✓ 2. 4% loss
✗ 3. 1% profit
✗ 4. 3% profit

Question ID : **26433075386**
Status : **Answered**
Chosen Option : **2**

Q.23 What will be the value of cos x cosec x – sin x sec x?

Ans
✗ 1. $\cot\frac{2x}{2}$
✗ 2. tan 2x
✗ 3. cot 2x
✓ 4. 2cot 2x

Question ID : **264330105911**
Status : **Answered**
Chosen Option : **3**

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Q.24 A varies directly as the positive square root of B, and inversely as the cube of C. If A = 15, when B = 27 and C = 2, then find B when A = 9 and C = 2.

Ans
1. $\frac{281}{42}$
2. $\frac{243}{25}$
3. $\frac{264}{37}$
4. $\frac{275}{51}$

Question ID : **26433063788**
Status : **Not Answered**
Chosen Option : **--**

Q.25 The average weight of 5 men decreases by 3 kg when one of them weighing 150 kg is replaced by another person. Find the weight of the new person.

Ans
1. 125 kg
2. 100 kg
3. 120 kg
4. 135 kg

Question ID : **26433075272**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

Q.1 Select the correct passive form of the given sentence.
My parents have booked a mini-getaway for me.

Ans
1. A mini-getaway was being booked for me by my parents.
2. A mini-getaway had been booked for me by my parents.
3. A mini-getaway was been booked for me by my parents.
4. A mini-getaway have been booked for me by my parents.

Question ID : **264330104566**
Status : **Answered**
Chosen Option : **4**

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

There are some monkeys / on the roof of the / carriage but Madhav / did not see them.

Ans
1. on the roof of the
2. There are some monkeys
3. carriage but Madhav
4. did not see them.

Question ID : **26433092270**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the most appropriate synonym of the word Amend.**

Ans
✔ 1. Rectify
✘ 2. Harm
✘ 3. Impair
✘ 4. Worsen

Question ID : **26433072448**
Status : **Answered**
Chosen Option : **1**

Q.4 **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'.**

Rita <u>will never have</u> changed her job if she would have been promoted.

Ans
✘ 1. No substitution
✘ 2. should never have
✔ 3. would never have
✘ 4. shall never have

Question ID : **26433084574**
Status : **Answered**
Chosen Option : **3**

Q.5 **Select the INCORRECTLY spelt word in the following sentence.**
Sudhir's harrassment is not only perceivable and occasional but also has become a matter of humorous incident before his colleague.

Ans
✘ 1. colleague
✔ 2. harrassment
✘ 3. Humorous
✘ 4. perceivable

Question ID : **26433058615**
Status : **Answered**
Chosen Option : **4**

Q.6 **Select the most appropriate option to fill in the blank.**

The trainee wanted to know the_____of the course to get a better understanding of the job prospects.

Ans
✔ 1. ins and outs
✘ 2. bird's eye view
✘ 3. crying need
✘ 4. tall talk

Question ID : **26433070544**
Status : **Answered**
Chosen Option : **1**

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Q.7 Select the most appropriate option to fill in the blank.

This drama is extremely informative _____ life in Roman times.

Ans
1. on
2. of
3. about
4. for

Question ID : **26433087940**
Status : **Answered**
Chosen Option : **3**

Q.8 Select the most appropriate collocation to fill in the blank.

Arun and his wife were _____ a baby boy after 18 years of their marriage.

Ans
1. delighted with
2. prepared with
3. provided with
4. blessed with

Question ID : **26433092091**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the most appropriate synonym of the given word.

Impede

Ans
1. Intend
2. Prompt
3. Respite
4. Hinder

Question ID : **26433071835**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the INCORRECTLY spelt word.

Ans
1. Warden
2. Poliseman
3. Engineer
4. Doctor

Question ID : **26433065136**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the most appropriate synonym of the underlined word in the given sentence.

The audience was mesmerised by the speech delivered by the vivacious lady.

Ans
1. Energetic
2. Fearless
3. Prosperous
4. Friendly

Question ID : **26433071956**
Status : **Answered**
Chosen Option : **1**

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Q.12 Select the option that expresses the given sentence in active voice.

The gate was opened by the peon.

Ans
1. The peon is opening the gate.
2. The peon opened the gate.
3. The peon was opening the gate.
4. The gate was being opened by the peon.

Question ID : **26433093459**
Status : **Answered**
Chosen Option : **2**

Q.13 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. They are on the market already but they are costly.
Q. Their cost depends on the sort you install and the size of your home.
R. These devices extract warmth from the air or the ground, or from water - a bit like a fridge operating in reverse.
S. Climate advisers anticipate that most homes in future will be warmed by heat pumps.

Ans
1. RQPS
2. SQRP
3. SRPQ
4. PRSQ

Question ID : **264330104717**
Status : **Answered**
Chosen Option : **2**

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The art history teacher was sacked after she were thought taking school supplies.

Ans
1. she was wondered
2. she was dumped
3. she was caught
4. she was enlightened

Question ID : **26433088512**
Status : **Answered**
Chosen Option : **3**

Q.15 Rearrange the parts of the sentence in correct order.
Lighting has
P. to become a disrupter and
Q. become human-centric as our
R. requirements change during the day and
S. lighting has to adapt to our change in needs

Ans
1. PSQR
2. RPQS
3. QRSP
4. PQRS

Question ID : **264330104667**
Status : **Answered**
Chosen Option : **2**

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Q.16 **Select the most appropriate synonym of the given word.**

Mercy

Ans
1. Legacy
2. Clarity
3. Clemency
4. Plurality

Question ID : **26433060627**
Status : **Answered**
Chosen Option : **3**

Q.17 **Select the option that can be used as a one-word substitute for the given group of words.**

The act of washing oneself

Ans
1. Ablutions
2. Solutions
3. Steaming
4. Bathing

Question ID : **26433071924**
Status : **Answered**
Chosen Option : **4**

Q.18 **Select the correct direct form of the given sentence.**
Aryan told me that I knew where to find him.

Ans
1. Aryan said to me, "You know where to find me."
2. Aryan said to me, "You knowing where to find me."
3. Aryan said to me, "You are known where to find me."
4. Aryan says to me, "You know where to find me."

Question ID : **264330104627**
Status : **Answered**
Chosen Option : **1**

Q.19 **Select the idiom that can correctly replace the underlined part of the given sentence.**

I know she really wants the promotion, but she really <u>hit me below the hand</u> by telling the boss about my personal problems.

Ans
1. hit me the bricks
2. hit me below the books
3. hit me below the bottle
4. hit me below the belt

Question ID : **26433060317**
Status : **Answered**
Chosen Option : **4**

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Q.20 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

He will make mistakes, but he will learn / by making mistakes. So, dear parents, / once you put the money in your / children's little pockets, forget all on it.

Ans
- ✔ 1. children's little pockets, forget all on it
- ✘ 2. once you put the money in your
- ✘ 3. by making mistakes. So, dear parents,
- ✘ 4. He will make mistakes, but he will learn

Question ID : **26433092269**
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.
Women won their present status through (1)____ and sacrifices rather than through men's kindness. Women and their supporters have fought, and in some places continue to fight for the same rights as (2)____. Laws were made to replace local customs which denigrated and suppressed women's rights. Women have (3)_____ higher positions in the world at all levels; political, economic and social. But in reality, women still suffer from (4)____ at various levels. For example, women work more and earn less than men. In addition to that, the majority of the world's poor and illiterate are women. The road to real (5)_____ is still long.

SubQuestion No : 21

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

Ans
- ✔ 1. struggle
- ✘ 2. happiness
- ✘ 3. dignity
- ✘ 4. joy

Question ID : **26433086386**
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.
Women won their present status through (1)____ and sacrifices rather than through men's kindness. Women and their supporters have fought, and in some places continue to fight for the same rights as (2)____. Laws were made to replace local customs which denigrated and suppressed women's rights. Women have (3)_____ higher positions in the world at all levels; political, economic and social. But in reality, women still suffer from (4)____ at various levels. For example, women work more and earn less than men. In addition to that, the majority of the world's poor and illiterate are women. The road to real (5)_____ is still long.

SubQuestion No : 22

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

Ans
- ✘ 1. everyone
- ✔ 2. men
- ✘ 3. universal
- ✘ 4. politicians

Question ID : **26433086387**
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.
Women won their present status through (1)____ and sacrifices rather than through men's kindness. Women and their supporters have fought, and in some places continue to fight for the same rights as (2)____. Laws were made to replace local customs which denigrated and suppressed women's rights. Women have (3)_____ higher positions in the world at all levels; political, economic and social. But in reality, women still suffer from (4)____ at various levels. For example, women work more and earn less than men. In addition to that, the majority of the world's poor and illiterate are women. The road to real (5)_____ is still long.

SubQuestion No : 23

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

Ans
✗ 1. snatched
✗ 2. gripped
✗ 3. plucked
✓ 4. gained

Question ID : **26433086388**
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.
Women won their present status through (1)____ and sacrifices rather than through men's kindness. Women and their supporters have fought, and in some places continue to fight for the same rights as (2)____. Laws were made to replace local customs which denigrated and suppressed women's rights. Women have (3)_____ higher positions in the world at all levels; political, economic and social. But in reality, women still suffer from (4)____ at various levels. For example, women work more and earn less than men. In addition to that, the majority of the world's poor and illiterate are women. The road to real (5)_____ is still long.

SubQuestion No : 24

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

Ans
✗ 1. issues
✗ 2. tolerance
✗ 3. equality
✓ 4. discrimination

Question ID : **26433086389**
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.
Women won their present status through (1)____ and sacrifices rather than through men's kindness. Women and their supporters have fought, and in some places continue to fight for the same rights as (2)____. Laws were made to replace local customs which denigrated and suppressed women's rights. Women have (3)_____ higher positions in the world at all levels; political, economic and social. But in reality, women still suffer from (4)____ at various levels. For example, women work more and earn less than men. In addition to that, the majority of the world's poor and illiterate are women. The road to real (5)_____ is still long.

SubQuestion No : 25

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

Ans
✗ 1. probability
✗ 2. maturity
✓ 3. equality
✗ 4. eligibility

Question ID : **26433086390**
Status : **Answered**
Chosen Option : **3**

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