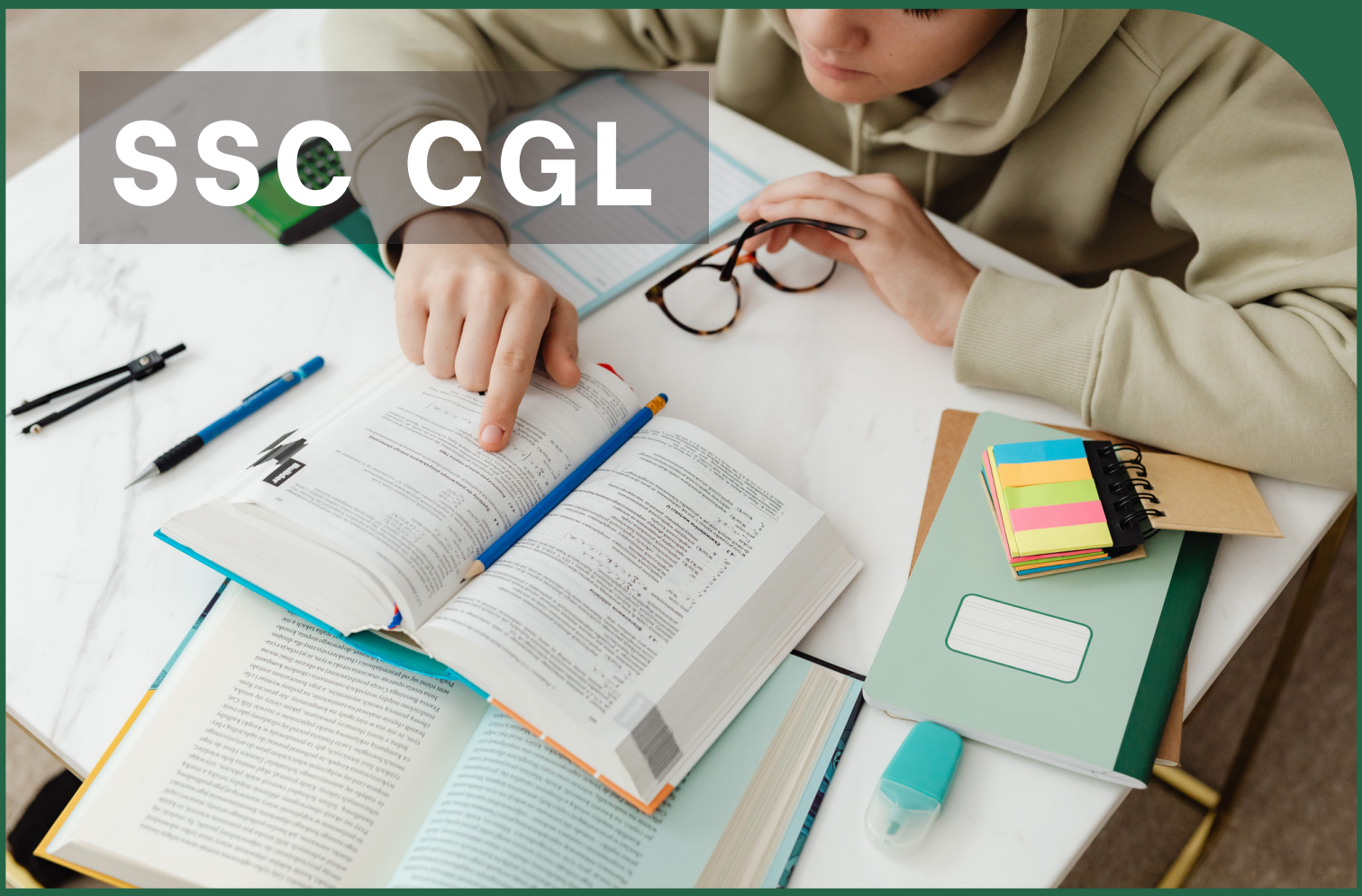


Question Paper

Staff Selection Commission
Combined Graduated Level
Examination

Prepared by:
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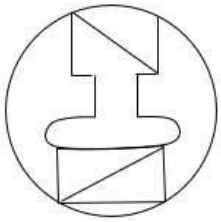
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Combined Graduate Level Examination Tier I 2022

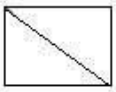
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Candidate Name	
Venue Name	iON Digital Zone iDZ Perecherla
Exam Date	01/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

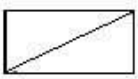
Section : **General Intelligence and Reasoning**

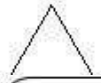
Q.1 Select the option figure which is embedded in the given figure (rotation is NOT allowed).

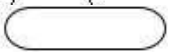


Ans

✗ 1. 

✓ 2. 

✗ 3. 

4. 

Question ID : **26433068724**
Status : **Answered**
Chosen Option : **2**

Q.2 **If '+' means '÷', '–' means '+', '×' means '–' and '÷' means '×', what will be the value of the following expression?**
[{(38 × 23) - (4 ÷ 3)} + (6 - 3)] ÷ 2

Ans

✓ 1. 6

✗ 2. 3

✗ 3. 8

✗ 4. 12

Question ID : **26433067864**
Status : **Answered**
Chosen Option : **1**

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Q.3 **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.**
GAVE : AGEV :: KEPT : EKTP :: ACID : ?

Ans
✗ 1. CIAD
✗ 2. CAID
✗ 3. ACDI
✓ 4. CADI

Question ID : **26433068508**
Status : **Answered**
Chosen Option : **4**

Q.4 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '2'.

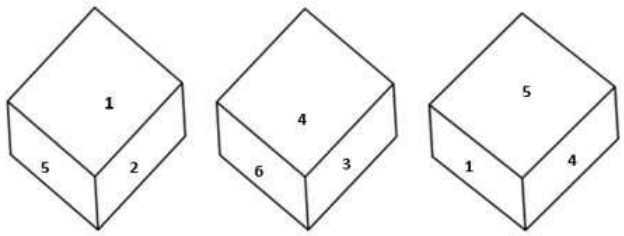


Figure 1 **Figure 2** **Figure 3**

Ans
✓ 1. 4
✗ 2. 5
✗ 3. 1
✗ 4. 3

Question ID : **26433079370**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.**
12 : 16 :: 18 : ? :: 24 : 64

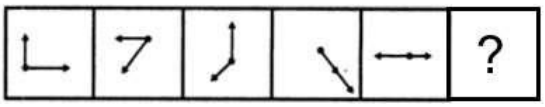
Ans
✗ 1. 26
✗ 2. 32
✗ 3. 28
✓ 4. 36

Question ID : **26433067904**
Status : **Answered**
Chosen Option : **4**

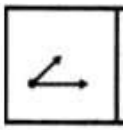
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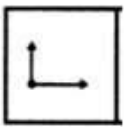
C

Q.6 Select the figure from among the given options that can replace the question mark (?) in the following series.

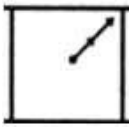


Ans

✗ 1.


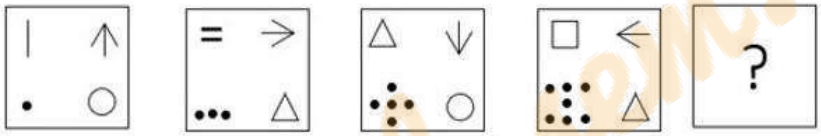
✗ 2.


✓ 3.

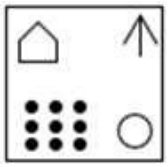

✗ 4.


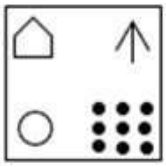
Question ID : **26433080514**
Status : **Answered**
Chosen Option : **3**

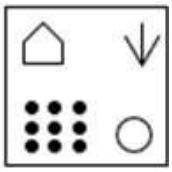
Q.7 Select the figure from among the given options that can replace the question mark (?) in the following series.

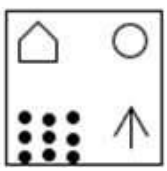


Ans

✓ 1.


✗ 2.


✗ 3.


✗ 4.


Question ID : **26433068711**
Status : **Answered**
Chosen Option : **1**

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Q.8 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
NMQR, NQYD, NUGP, NYOB, ?

Ans
✗ 1. NQRC
✗ 2. NMWN
✓ 3. NCWN
✗ 4. NWRQ

Question ID : **264330104839**
Status : **Answered**
Chosen Option : **3**

Q.9 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. TVR
✗ 2. DFB
✗ 3. QSO
✓ 4. KGI

Question ID : **26433081506**
Status : **Answered**
Chosen Option : **4**

Q.10 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.
JUMPED : LWORGF :: QUICKS : SWKEMU :: FUZING : ?

Ans
✗ 1. HKWIPB
✗ 2. IPKBWH
✓ 3. HWBKPI
✗ 4. HWKBPI

Question ID : **26433056404**
Status : **Answered**
Chosen Option : **3**

Q.11 Which of the following letter-clusters will replace the question mark (?) and complete the following letter-cluster series?
DW, FU, GT, IR, JQ, ?

Ans
✗ 1. LN
✓ 2. LO
✗ 3. MO
✗ 4. LP

Question ID : **26433067272**
Status : **Answered**
Chosen Option : **2**

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Q.12 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 K are H.
II. No S is K.
Conclusion:
I. No K is S.
II. All H are K.

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

Question ID : **264330104921**
Status : **Answered**
Chosen Option : **2**

Q.13 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)
(240, 55, 65)
(320, 85, 75)

Ans
1. (140, 35, 25)
2. (220, 90, 15)
3. (160, 35, 45)
4. (200, 5, 105)

Question ID : **26433076472**
Status : **Answered**
Chosen Option : **3**

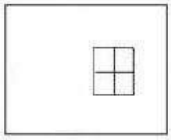
Q.14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
Some doctors are painters.
Some doctors are labours.
All the labours are athletes.
Conclusions:
I. Some labours are painters.
II. Some athletes are doctors.
III. All the doctors are athletes.
IV. Some athletes are painters.

Ans
1. Only conclusions II and III follow
2. Only conclusion II follows
3. Only conclusion III follows
4. Only conclusions I and II follow

Question ID : **26433068557**
Status : **Answered**
Chosen Option : **2**

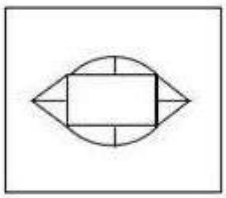
C

Q.15 Select the option in which the given figure is embedded (rotation is NOT allowed).

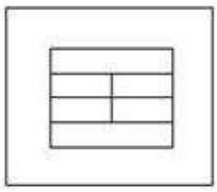


Ans

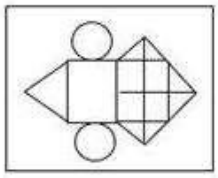
✗ 1.



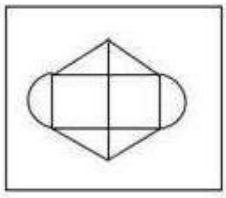
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433068616**
Status : **Answered**
Chosen Option : **3**

Q.16 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. (153 – 151 – 147)

✗ 2. (171 –169 –167)

✗ 3. (183 – 181 – 178)

✗ 4. (201 –198 –197)

Question ID : **264330105072**
Status : **Not Answered**
Chosen Option : **--**

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Q.17 Which two signs and two numbers should be interchanged in the following equation to make it correct?
150 × 15+ 14 – 9 ÷ 2 =6

Ans
1. 9, 2, –, ×
2. 9, 2, ÷, ×
3. 150, 2, ÷, –
4. 15, 9, +, ÷

Question ID : **264330102494**
Status : **Answered**
Chosen Option : **2**

Q.18 In a certain code language, 'CYTOSKELETON' is written as 'TYCKSOELENOT', 'MALNUTRITION' is written as 'LAMTUNTIRNOI'. How will 'ALLITERATION' be written in that language?

Ans
1. LLAETITARNOI
2. LLAETIATRNOI
3. LLEATITARNOI
4. LLAETITRANOI

Question ID : **26433068240**
Status : **Answered**
Chosen Option : **1**

Q.19 In a certain code language, 'PSYCHIC' is written as 'YSPCCIH' and 'CITIZEN' is written as 'TICINEZ'. How will 'MAHATMA' be written in that language?

Ans
1. HAMAATM
2. AHMAAMT
3. HAMAAMT
4. HAMAMAT

Question ID : **26433059887**
Status : **Answered**
Chosen Option : **3**

Q.20 After arranging the given words according to dictionary order, which word will come at 'Fourth' position?
1. Unseen
2. Unseam
3. Unsafe
4. Unsound
5. Unsay

Ans
1. Unseen
2. Unsay
3. Unseam
4. Unsound

Question ID : **264330104898**
Status : **Answered**
Chosen Option : **1**

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Q.21 If A × B means that A is the father of B, A + B means that A is the mother of B, A ÷ B means that A is the brother of B then which of the following expression shows that Q is the son of P?

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

Question ID : **264330104983**
Status : **Answered**
Chosen Option : **4**

Q.22 Which of the following interchange of numbers and mathematical signs would make the given equation correct?
30 ÷ 6 × 4 + 15−35 = 25

Ans
✗ 1. 25 and 30, × and–
✗ 2. 4 and 6, + and– ✓
3. 25 and 35, × and ÷
✗ 4. 30 and 35, –and ÷

Question ID : **264330104005**
Status : **Answered**
Chosen Option : **3**

Q.23 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 A + G & I + R @ S @ T # U & V, then which of the following statements is NOT correct?

Ans
✗ 1. I is the father-in-law of U.
✓ 2. A is the maternal grandfather of T.
✗ 3. G is the brother of I.
✗ 4. R is the paternal granddaughter of A.

Question ID : **26433067581**
Status : **Answered**
Chosen Option : **2**

Q.24 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.
35 : 21 :: ? : 36 :: 40 : 24

Ans
✗ 1. 65
✗ 2. 50
✓ 3. 60
✗ 4. 55

Question ID : **26433059935**
Status : **Answered**
Chosen Option : **3**

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Q.25 Which of the following numbers will replace the question mark (?) in the given series?
4, 6, 12, 14, 28, 30, ?

Ans
✗ 1. 62
✓ 2. 60
✗ 3. 54
✗ 4. 52

Question ID : **26433067871**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 Which of the given sectors is largely driven by considerations of social welfare?

Ans
✗ 1. Foreign
✗ 2. Co-operative
✓ 3. Public
✗ 4. Private

Question ID : **26433069841**
Status : **Answered**
Chosen Option : **2**

Q.2 The Hindu college was established in 1791 at_____.

Ans
✗ 1. Calcutta
✗ 2. Dacca
✗ 3. Surat
✓ 4. Banaras

Question ID : **264330105578**
Status : **Answered**
Chosen Option : **4**

Q.3 In which of the following languages did Jyotiba Phule write 'Gulamgiri' in 1873?

Ans
✗ 1. English
✓ 2. Marathi
✗ 3. Hindi
✗ 4. Gujarati

Question ID : **26433085299**
Status : **Answered**
Chosen Option : **2**

Q.4 Which of the following are Rabi crops only?

Ans
✗ 1. Maize and peas
✓ 2. Barley and gram
✗ 3. Paddy and cotton
✗ 4. Wheat and jowar

Question ID : **26433092868**
Status : **Answered**
Chosen Option : **4**

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Q.5 Identify an example of organisms that are free-swimming and bottom-dwelling forms.

Ans
1. Phytoplankton ✗
2. Zooplankton ✓
3. Fungi ✗
4. Jellyfishes ✗

Question ID : **26433087872**
Status : **Answered**
Chosen Option : **4**

Q.6 Which of the following cities hosted the 2019 Military World Games organised by the International Military Sports Council?

Ans
1. Rio de Janeiro, Brazil ✗
2. Bogota, Colombia ✗
3. Wuhan, China ✓
4. Mungyeong, South Korea ✗

Question ID : **26433059411**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Abdul Karim Khan was the exponent of which school of Hindustani Music?

Ans
1. Jaipur Gharana ✗
2. Gwalior Gharana ✗
3. Delhi Gharana ✗
4. Kirana Gharana ✓

Question ID : **26433071636**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Who has taken oath as Bihar Chief Minister for 8th time?

Ans
1. Tejaswi Prasad Yadav ✗
2. Pramod Sawant ✗
3. Anugrah Narayan ✗
4. Nitish Kumar ✓

Question ID : **264330105343**
Status : **Answered**
Chosen Option : **4**

Q.9 Which of the following statements about cell cycle is FALSE?

Ans
1. Preparation of mitosis takes place in G2 phase. ✗
2. In M phase, the cell grows physically larger and copies organelles. ✓
3. In S phase, replication of DNA takes place. ✗
4. In G1 phase, the cell grows physically larger and copies organelles. ✗

Question ID : **26433089672**
Status : **Not Answered**
Chosen Option : **--**

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Q.10 Shyamji Krishna Varma established India House at_____in 1905.

Ans
✗ 1. New York
✗ 2. Bombay
✗ 3. Paris
✓ 4. London

Question ID : **26433085277**
Status : **Not Answered**
Chosen Option : **--**

Q.11 'Indira Gandhi Shehri Rozgar Guarantee Yojana 2022' has been implemented by which state government?

Ans
✓ 1. Rajasthan
✗ 2. Himachal Pradesh
✗ 3. Maharashtra
✗ 4. Uttar Pradesh

Question ID : **264330105273**
Status : **Answered**
Chosen Option : **1**

Q.12 Choose the correct pair from the following options.

Ans
✗ 1. Third Five-year Plan – Rapid industrialisation and basic industries
✓ 2. Fourth Five-year Plan - Family planning programme
✗ 3. First Five-year Plan – Mahalanobis model
✗ 4. Second Five-year Plan – Focus on agriculture

Question ID : **26433064862**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Fundamental Duties were added in the Constitution of India under the leadership of which Prime Minister of India?

Ans
✗ 1. Narsimha Rao
✗ 2. Charan Singh
✓ 3. Indira Gandhi
✗ 4. Lal Bahadur Shastri

Question ID : **26433074890**
Status : **Answered**
Chosen Option : **3**

Q.14 Which of the following festivals is celebrated in the month of August–September?

Ans
✗ 1. Makar Sankranti
✗ 2. Kite Festival
✗ 3. Bikaner Festival
✓ 4. Onam

Question ID : **26433071693**
Status : **Answered**
Chosen Option : **4**

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Q.15 'Mission Kushal Karmi' was launched to upgrade the skills of construction workers. This programme was launched by the government of_____.

Ans
1. Gujarat
2. Haryana
3. Punjab
4. Delhi

Question ID : **264330105312**
Status : **Answered**
Chosen Option : **4**

Q.16 first edition of the Youth Olympic Games was held at_____.

Ans
1. Lausanne
2. Singapore
3. Nanjing
4. Innsbruck

Question ID : **26433071551**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Thorny bushes are found in_____region.

Ans
1. mediterranean
2. polar
3. dry desert
4. high rainfall

Question ID : **264330105647**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which of the following folk dance forms does NOT belong to the state of Gujarat?

Ans
1. Garba
2. Dandiya Raas
3. Bidesiya
4. Vinchhudo

Question ID : **26433086718**
Status : **Answered**
Chosen Option : **3**

Q.19 Who among the following classical dancers was rewarded with the Padma Vibhushan Award in 2003?

Ans
1. Sonal Mansingh
2. Kumudini Lakhia
3. Shovana Narayan
4. Sunayana Hazarilal

Question ID : **26433082127**
Status : **Not Answered**
Chosen Option : **--**

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Q.20 The SI unit of acceleration is_____.

Ans
✗ 1. m^2/s
✗ 2. m^2/s^2
✗ 3. m/s
✓ 4. m/s^2

Question ID : **264330105463**
Status : **Answered**
Chosen Option : **4**

Q.21 The Tamil word 'muvendar' mentioned in the Sangam poems means_____.

Ans
✗ 1. dhamma mahamatta
✗ 2. Headmen
✗ 3. Rich
✓ 4. three chiefs

Question ID : **264330105185**
Status : **Not Answered**
Chosen Option : **--**

Q.22 The Vice President of India is elected for a period of_____years.

Ans
✗ 1. 6
✓ 2. 5
✗ 3. 2
✗ 4. 3

Question ID : **26433064839**
Status : **Answered**
Chosen Option : **2**

Q.23 Which of the following is highest quality coal?

Ans
✗ 1. Lignite
✗ 2. Bituminous
✗ 3. Peat
✓ 4. Anthracite

Question ID : **264330105504**
Status : **Answered**
Chosen Option : **2**

Q.24 What are the three parts of bacterial flagellum?

Ans
✗ 1. Head, tail and lower body
✗ 2. Filament, tail and hook
✗ 3. Basal body, tail and filament
✓ 4. Filament, hook and basal body

Question ID : **26433066672**
Status : **Answered**
Chosen Option : **1**

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C

Q.25 Common name of the compound $CaOCl_2$ is_____.

Ans
✔ 1. bleaching powder
✗ 2. washing soda
✗ 3. baking soda
✗ 4. gypsum

Question ID : **264330105486**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude**

Q.1 x is a negative number such that $k + k^{-1} = -2$, then what is the value of $\frac{k^2+4k-2}{k^2+k-5}$?

Ans
✗ 1. 7
✔ 2. 1
✗ 3. –7
✗ 4. –1

Question ID : **264330105957**
Status : **Answered**
Chosen Option : **2**

Q.2 If $\left(x+\frac{1}{x}\right) = 5\sqrt{2}$, then what is the value of $(x^4 + x^{-4})$?

Ans
✗ 1. 2542
✗ 2. 2650
✗ 3. 2452
✔ 4. 2302

Question ID : **26433066340**
Status : **Answered**
Chosen Option : **4**

Q.3 A man rows a boat a certain distance downstream in 9 hours, while it takes 18 hours to row the same distance upstream. How many hours will it take him to row three-fifth of the same distance in still water?

Ans
✗ 1. 9.5
✔ 2. 7.2
✗ 3. 10
✗ 4. 12

Question ID : **26433075770**
Status : **Answered**
Chosen Option : **2**

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C

Q.4 Study the given chart and answer the following question.



What is the central angle corresponding to the production steel by Kerala?

Ans
1. $82°$
2. $65.8°$
3. $75.2°$
4. $72°$

Question ID : **26433082521**
Status : **Answered**
Chosen Option : **4**

Q.5 **A shopkeeper makes a net profit of 44% on selling an article at successive discounts of 10% and 20%. Find the net profit percentage, if the shopkeeper sells the same article at a discount of 15%.**

Ans
1. 50%
2. 70%
3. 30%
4. 40%

Question ID : **26433075945**
Status : **Answered**
Chosen Option : **2**

Q.6 **What will be the value of** $\frac{\sin 30° \sin 40° \sin 50° \sin 60°}{\cos 30° \cos 40° \cos 50° \cos 60°}$ **?**

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

Question ID : **264330105904**
Status : **Answered**
Chosen Option : **3**

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Q.7 What is the ratio between the HCF and LCM of the numbers whose LCM is 48 and the product of the numbers is 384?

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

Question ID : **26433075048**
Status : **Answered**
Chosen Option : **2**

Q.8 The price of a scooter increases successively by10%, 5% and 15%. What is the total percentage increase in price of scooter?

Ans
✓ 1. $32\frac{33}{40}\%$
✗ 2. $34\frac{21}{40}\%$
✗ 3. $30\frac{11}{40}\%$
✗ 4. $36\frac{31}{40}\%$

Question ID : **26433074455**
Status : **Answered**
Chosen Option : **3**

Q.9 If areas of similar triangles Δ ABC and Δ DEF are x^2 cm² and y^2 cm² respectively, and EF = a cm, then BC (in cm) is:

Ans
✗ 1. $\frac{y^2}{a^2x^2}$
2. $\frac{y}{ax}$
✓ 3. $\frac{ax}{y}$
4. $\frac{a^2x^2}{y^2}$

Question ID : **26433079982**
Status : **Answered**
Chosen Option : **3**

Q.10 The average of the marks of 25 students in a class, in an examination was calculated to be 19. Later, the teacher realized that the marks of two students were taken as 18 and 19 respectively, instead of 14 and 15. Find the new actual average marks of the class.

Ans
✗ 1. 17.43
✗ 2. 16.56
✓ 3. 18.68
✗ 4. 17.65

Question ID : **26433063768**
Status : **Answered**
Chosen Option : **3**

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Q.11 Simplify $x^9 \times x^5 \times x^{-4} \times x^0 \times x^{-6}$.

Ans
1. x^4
2. x^{-4}
3. x^{-6}
4. x^6

Question ID : **26433075784**
Status : **Answered**
Chosen Option : **1**

Q.12 **The value of (sin30° cos60° - cos30° sin60°) is equal to:**

Ans
✗ 1. -cos30°
✓ 2. -sin30°
✗ 3. cos30°
✗ 4. sin30°

Question ID : **26433058441**
Status : **Answered**
Chosen Option : **2**

Q.13 **What is the ratio of the mean proportional between 1.6 and 3.6 and the third proportional of 5 and 8?**

Ans
✗ 1. 2 : 15
✗ 2. 5 : 16
✓ 3. 3 : 16
✗ 4. 4 : 15

Question ID : **26433064985**
Status : **Answered**
Chosen Option : **3**

Q.14 **The difference between the cost price and selling price of a pair of shoes is Rs.1,200. If the profit is 15%, the selling price is:**

Ans
✗ 1. Rs.8,200
✓ 2. Rs.9,200
✗ 3. Rs.8,000
✗ 4. Rs.9,000

Question ID : **26433063697**
Status : **Answered**
Chosen Option : **2**

Q.15 **A person lent certain sum of money at the annual rate of 25 percent on simple interest. In 6 years the interest amounted to Rs.360 more than the sum lent. What is the sum lent?**

Ans
✗ 1. Rs.600
✗ 2. Rs.360
✓ 3. Rs.720
✗ 4. Rs.540

Question ID : **264330105669**
Status : **Answered**
Chosen Option : **3**

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Check

Q.16 **The side of an equilateral triangle is 12 cm. What is the radius of the circle circumscribing this equilateral triangle?**

Ans

✗ 1. $6\sqrt{3}$ cm

2. $4\sqrt{3}$ cm

3. $9\sqrt{3}$ cm

4. $5\sqrt{3}$ cm

Question ID : **264330105871**
Status : **Answered**
Chosen Option : **2**

Q.17 The following table shows the number of different items in different shops and their respective selling prices per unit.

Shops	Total No. of Items	AC : Cooler : Fan	Selling Price per unit		
			Cooler	AC	Fan
A	5000	4 : 5 : 1	8000	25000	8500
B	1800	3 : 2 : 4	10000	20000	16000
C	3400	6 : 4 : 7	6000	42000	15000
D	3600	4 : 2 : 3	12000	32000	8000
E	4000	5 : 1 : 4	8000	26500	12200
F	1210	2 : 4 : 5	11000	28000	11100

Find the percentage of total revenue which comes from Cooler from shop E, considering all given items are being sold from shop E and from all the given shops only given three items are being sold. (Rounded off to three decimal places)

Ans

✓ 1. 4.226%

2. 3.516%

✗ 3. 10.45%

✗ 4. 8.910%

Question ID : **26433081613**
Status : **Answered**
Chosen Option : **1**

Check

Q.18 The following table shows the marks (in percentages) obtained by six students in four different subjects in an examination. Maximum marks in each subject are 100.

Student	SUBJECT			
	SST	PHYSICS	CHEMISTRY	MATHS
A	92	90	90	80
B	90	80	85	85
C	80	80	65	70
D	85	80	82	75
E	80	75	75	85
F	90	90	90	85

Answer the following question based on the table:

What is the number of students whose overall percentage obtained is 80% and above?

Ans
✔ 1. 4
✘ 2. 5
✘ 3. 2
✘ 4. 3

Question ID : **26433076406**
Status : **Answered**
Chosen Option : **1**

Q.19 The table given below shows the number of persons participating in a survey from 6 different states.

States	Persons
S1	100
S2	200
S3	400
S4	500
S5	600
S6	800

What is the ratio of number of person participating in a survey from state S3 to the number of person participating in a survey from state S4?

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

Question ID : **264330105727**
Status : **Answered**
Chosen Option : **4**

Q.20 What is the remainder when 8127 is divided by 8?

Ans
✘ 1. 5
✔ 2. 7
✘ 3. 4
✘ 4. 6

Question ID : **26433075270**
Status : **Answered**
Chosen Option : **2**

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Check

Q.21 A, B and C can complete a piece of work separately in 10, 20 and 40 days, respectively. In how many days will the work be completed if A is assisted by both B and C every third day?

Ans
1. $8\frac{2}{7}$
2. 9
3. $10\frac{2}{3}$
4. 6

Question ID : **26433076084**
Status : **Answered**
Chosen Option : **1**

Q.22 What is sinα - sinβ?

Ans
1. $2cos\frac{\alpha+\beta}{2}\,sin\frac{\alpha-\beta}{2}$
2. $2sin\frac{\alpha+\beta}{2}\,sin\frac{\alpha-\beta}{2}$
3. $2cos\frac{\alpha-\beta}{2}\,sin\frac{\alpha+\beta}{2}$
4. $2cos\frac{\alpha+\beta}{2}\,cos\frac{\alpha-\beta}{2}$

Question ID : **26433074356**
Status : **Answered**
Chosen Option : **1**

Q.23 A hemisphere of lead of radius 4 cm is cast into a right circular cone of height 72 cm. What is the radius of the base of the cone?

Ans
1. 1.63 cm
2. 1.35 cm
3. 1.33 cm
4. 1.45 cm

Question ID : **26433063812**
Status : **Answered**
Chosen Option : **3**

Q.24 If the angles of a triangle are (x – 46) degrees, (x + 96) degrees and 8x degrees, then what is the value of 2x?

Ans
1. 15 degrees
2. 24 degrees
3. 26 degrees
4. 13 degrees

Question ID : **264330105828**
Status : **Answered**
Chosen Option : **3**

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Check

Q.25 O is the centre of this circle. Tangent drawn from a point P, touches the circle at Q. If PQ = 24 cm and OQ = 10 cm, then what is the value of OP?

Ans
✗ 1. 26 cm
✗ 2. 52 cm
✓ 3. 13 cm
✗ 4. 15 cm

Question ID : **264330105836**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

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

Priya washes her clothes in the evening.

Ans
✗ 1. The clothes was washed by Priya in the evening.
✗ 2. The clothes is washed by Priya in the evening.
✓ 3. The clothes are washed by Priya in the evening.
✗ 4. The clothes were washed by Priya in the evening.

Question ID : **26433093524**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the option that contains a grammatical error in the underlined portion.

It would be impossible for them to continue living in this world if each of them knew exactly what fate had it store for them.

Ans
✗ 1. It would be impossible for them to continue living in this world if each of them knewexactly what fate had it store for them.
✗ 2. It would be impossible for them to continue living in this world if each of them knewexactly what fate had it store for them
✗ 3. It would be impossible for them to continue living in this world if each of them knewexactly what fate had it store for them.
✓ 4. It would be impossible for them to continue living in this world if each of them knewexactly what fate had it store for them.

Question ID : **26433088591**
Status : **Answered**
Chosen Option : **2**

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

The doctor directed the nurse to administer an_____medicine to the patient.

Ans
✗ 1. official
✗ 2. eminent
✓ 3. alternative
✗ 4. insightful

Question ID : **26433073791**
Status : **Answered**
Chosen Option : **2**

Check

Q.4 Select the option that can be used as a one-word substitute for the given group of words.

A piece of a living tissue or plant that is transplanted surgically

Ans
✗ 1. Gratis
✗ 2. Gourmet
✗ 3. Gracious
✓ 4. Graft

Question ID : **26433070708**
Status : **Answered**
Chosen Option : **1**

Q.5 Select the correct active form of the given sentence.
The clothes will be delivered by the shop on Monday.

Ans
✗ 1. The shop will be delivering the clothes on Monday.
✓ 2. The shop will deliver the clothes on Monday.
✗ 3. The shop would be delivering the clothes on Monday.
✗ 4. The shop would deliver the clothes on Monday.

Question ID : **264330104574**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the most appropriate ANTONYM of the underlined word.
Failure to carry hall ticket to the exam is considered as a <u>trivial</u> issue.

Ans
✗ 1. underrated
✗ 2. kind
✗ 3. problematic
✓ 4. serious

Question ID : **26433059732**
Status : **Answered**
Chosen Option : **4**

Q.7 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. A panther is reported to have broken into a house yesterday in search of food and shelter.
B. The villagers heard his cries and ran to the house but the scared animal had run away through the window by then.
C. It secretly slouched into a room where a young man named Johnny was sleeping, who suddenly woke up and realised that the beast was roaming around his bed.
D. Just as the panther was about to leap on him, he swiftly shot out of bed and hid in a closet.

Ans
✗ 1. ABDC
✗ 2. BDCA
✓ 3. ACDB
✗ 4. DCAB

Question ID : **26433093050**
Status : **Answered**
Chosen Option : **3**

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Check

Q.8 Select the INCORRECTLY spelt word.

Ans
✔ 1. Peircing
✘ 2. Sleek
✘ 3. Pie
✘ 4. Itch

Question ID : **26433063140**
Status : **Answered**
Chosen Option : **1**

Q.9 Select the most appropriate option to fill in the blank.

If you try to do something every day you will_____progress.

Ans
✘ 1. hold
✘ 2. get
✔ 3. make
✘ 4. catch

Question ID : **26433089746**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the most appropriate synonym of the given word.

Competent

Ans
✘ 1. Complex
✘ 2. Poor
✔ 3. Capable
✘ 4. Beginner

Question ID : **26433071871**
Status : **Answered**
Chosen Option : **3**

Q.11 Choose the correct meaning of the given idiom.
In weal and woe

Ans
✘ 1. In sad and gloomy days
✘ 2. In happiness and good times
✔ 3. In prosperity and adversity
✘ 4. In despair and failure

Question ID : **26433060919**
Status : **Answered**
Chosen Option : **2**

Q.12 Select the most appropriate synonym of the given word.

Announce

Ans
✘ 1. Denounce
✘ 2. Secret
✘ 3. Hide
✔ 4. Advertise

Question ID : **26433060886**
Status : **Answered**
Chosen Option : **4**

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Check

Q.13 Rearrange the parts of the sentence in correct order.
While physical movement
P. activities may not require physical
Q. is important for children, all learning
R. the part of teachers and students
S. movement and facial expressions on

Ans
✗ 1. PRQS
✗ 2. RSPQ
✗ 3. QSRP
✓ 4. QPSR

Question ID : **264330104690**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the most appropriate meaning of the given idiom.

A green horn

Ans
✗ 1. Uneducated person
✓ 2. Inexperienced person
✗ 3. Clever person
✗ 4. Skilled person

Question ID : **26433072276**
Status : **Answered**
Chosen Option : **2**

Q.15 Select the correct direct form of the given sentence.
He said that something might be missing in there.

Ans
✓ 1. He said, “Something may be missing in here.”
✗ 2. He said, “Something had to be missing in there.”
✗ 3. He said, “Something is been missing in here.”
✗ 4. He said, “Something could be missing in here.”

Question ID : **264330104629**
Status : **Answered**
Chosen Option : **1**

Q.16 Select the sentences that contains no spelling errors.

Ans
✗ 1. Many communities in the world still feel that their voices and position has beendissenfranchised.
✗ 2. Many communities in the world still feel that their voices and position has beendysenfranchised.
✗ 3. Many communities in the world still feel that their voices and position has beendysenfrenchized.
✓ 4. Many communities in the world still feel that their voices and position has beendisenfranchised.

Question ID : **26433070695**
Status : **Answered**
Chosen Option : **1**

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Check

Q.17 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. They also wore felt caps to cover their ears.
B. They wore trousers tucked into leather boots.
C. This place was famous for its skilful archers and horsemen.
D. In the 5th and 4th centuries BC, today's south Ukraine was known as Scythia.

Ans
✗ 1. BCDA
✗ 2. CBDA
✗ 3. ABCD
✓ 4. DCBA

Question ID : **26433070702**
Status : **Answered**
Chosen Option : **4**

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

He used to reply / that the only place / for which he went / was the town library.

Ans
✗ 1. was the town library
✓ 2. for which he went
✗ 3. He used to reply
✗ 4. that the only place

Question ID : **26433092268**
Status : **Answered**
Chosen Option : **2**

Q.19 Select the most appropriate synonym of the underlined word in the given sentence.

The <u>sporadic</u> instructions of the invigilators distracted the examinee.

Ans
✗ 1. Continuous
✗ 2. Indirect
✗ 3. Repetitive
✓ 4. Occasional

Question ID : **26433071965**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.

<u>Rajan is having</u> three brothers and three sisters.

Ans
✗ 1. Rajan has been having
✓ 2. Rajan has
✗ 3. Rajan was having
✗ 4. Rajan having

Question ID : **26433088744**
Status : **Answered**
Chosen Option : **2**

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Check

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of thealternatives given. Select the most appropriate option for each number.

The modern-day student is extremely 1____with technology. They do read quite a bit because of social media. While their writing skills may not be top notch, they do write, courtesy 2___affinity to various platforms on the internet. However, one skill that has been
3_____affected is listening skills. They are extremely poor 4_____listeners. If this issue is not addressed, what we may be heading to in the future is a huge chunk of people across theglobe, with poor skills of listening, and a huge number of passive listeners. Researchers saythat listening is the prime ingredient for empathy and the world will be in extreme poverty in terms of number of 5_____on the planet.

SubQuestion No : 21

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

Ans
✗ 1. hindered
✗ 2. disconnected
✗ 3. dreary
✓ 4. savvy

Question ID : **26433073962**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of thealternatives given. Select the most appropriate option for each number.

The modern-day student is extremely 1____with technology. They do read quite a bit because of social media. While their writing skills may not be top notch, they do write, courtesy 2___affinity to various platforms on the internet. However, one skill that has been
3_____affected is listening skills. They are extremely poor 4_____listeners. If this issue is not addressed, what we may be heading to in the future is a huge chunk of people across theglobe, with poor skills of listening, and a huge number of passive listeners. Researchers saythat listening is the prime ingredient for empathy and the world will be in extreme poverty in terms of number of 5_____on the planet.

SubQuestion No : 22

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

Ans
✓ 1. their
✗ 2. they’re
✗ 3. dare
✗ 4. there

Question ID : **26433073963**
Status : **Answered**
Chosen Option : **1**

Check

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of thealternatives given. Select the most appropriate option for each number.

The modern-day student is extremely 1____with technology. They do read quite a bit because of social media. While their writing skills may not be top notch, they do write, courtesy 2___affinity to various platforms on the internet. However, one skill that has been
3_____affected is listening skills. They are extremely poor 4_____listeners. If this issue is not addressed, what we may be heading to in the future is a huge chunk of people across theglobe, with poor skills of listening, and a huge number of passive listeners. Researchers saythat listening is the prime ingredient for empathy and the world will be in extreme poverty in terms of number of 5_____on the planet.

SubQuestion No : 23

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

Ans
✔ 1. thoroughly
✘ 2. through
✘ 3. holistically
✘ 4. daily

Question ID : **26433073964**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of thealternatives given. Select the most appropriate option for each number.

The modern-day student is extremely 1____with technology. They do read quite a bit because of social media. While their writing skills may not be top notch, they do write, courtesy 2___affinity to various platforms on the internet. However, one skill that has been
3_____affected is listening skills. They are extremely poor 4_____listeners. If this issue is not addressed, what we may be heading to in the future is a huge chunk of people across theglobe, with poor skills of listening, and a huge number of passive listeners. Researchers saythat listening is the prime ingredient for empathy and the world will be in extreme poverty in terms of number of 5_____on the planet.

SubQuestion No : 24

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

Ans
✘ 1. passive
✔ 2. active
✘ 3. distinctive
✘ 4. demonstrative

Question ID : **26433073965**
Status : **Answered**
Chosen Option : **2**

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Check

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of thealternatives given. Select the most appropriate option for each number.

The modern-day student is extremely 1____with technology. They do read quite a bit because of social media. While their writing skills may not be top notch, they do write, courtesy 2____affinity to various platforms on the internet. However, one skill that has been
3_____affected is listening skills. They are extremely poor 4_____listeners. If this issue is not addressed, what we may be heading to in the future is a huge chunk of people across theglobe, with poor skills of listening, and a huge number of passive listeners. Researchers saythat listening is the prime ingredient for empathy and the world will be in extreme poverty in terms of number of 5_____on the planet.

SubQuestion No : 25

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

Ans

✗ 1. sympathisers

✓ 2. empathisers

✗ 3. donors

✗ 4. characters

Question ID : **26433073966**
Status : **Answered**
Chosen Option : **2**

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