Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	Online Infra
Exam Date	05/12/2022
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I 2022

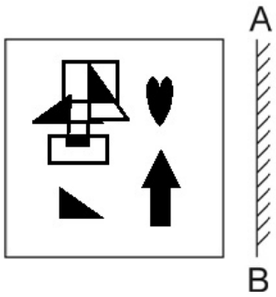
Section : **General Intelligence and Reasoning**

Q.1 **By interchanging the given two signs and numbers which of the following equation will be not correct?**
× and ÷, 2 and 6
I. 7 – 4 × 3 ÷ 6 + 2 = 8
II. 6 – 8 × 2 + 9 ÷ 3 = 5

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

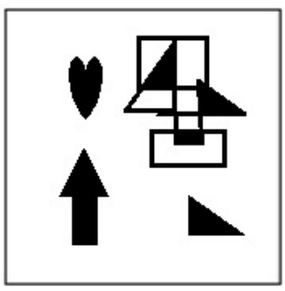
Question ID : **264330105148**
Status : **Answered**
Chosen Option : **2**

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

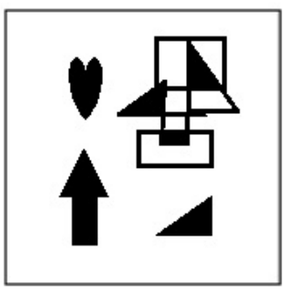


Ans

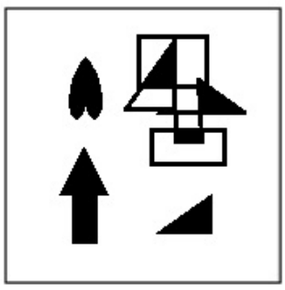
✗ 1.



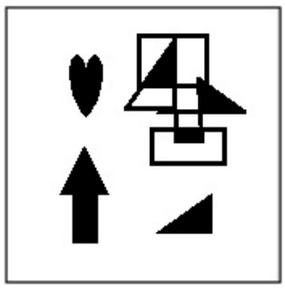
✗ 2.



✗ 3.



✓ 4.



Question ID : **26433070436**
Status : **Answered**
Chosen Option : **4**

Q.3 **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)
(70, 14, 56)
(88, 30, 58)

Ans
✗ 1. (44, 24, 23)
✗ 2. (59, 36, 25)
✓ 3. (52, 19, 33)
✗ 4. (38, 16, 24)

Question ID : **26433070240**
Status : **Answered**
Chosen Option : **3**

Q.4 **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.**
8 : 128 :: 6 : ? :: 11 : 242

Ans
✗ 1. 64
✓ 2. 72
✗ 3. 68
✗ 4. 70

Question ID : **26433067901**
Status : **Answered**
Chosen Option : **2**

Q.5 **After interchanging the given two numbers and two signs what will be the values of equation (I) and (II) respectively?**
– and ×, 6 and 4
I. 7 × 6 + 8 ÷ 2 – 4
II. 4 – 7 × 6 + 8 ÷ 2

Ans
✓ 1. 27, 42
✗ 2. 27, 47
✗ 3. 27, 49
✗ 4. 25, 40

Question ID : **264330105156**
Status : **Answered**
Chosen Option : **1**

Q.6 **In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.**
Statements:
I. Some F are D.
II. No A is D.
Conclusion:
I. Some F are A.
II. No D is A.
III. Some F are not A.

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

Question ID : **264330104929**
Status : **Answered**
Chosen Option : **2**

Q.7 **Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.**
7 : 25 :: 4 : 4 :: 3 : ?

Ans
✗ 1. 5
✗ 2. 4
✓ 3. 1
✗ 4. 7

Question ID : **26433067654**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1- Sennet
2- Sennight
3- Sennit
4- Seniority
5- Senna

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

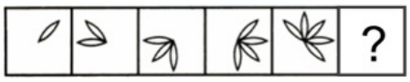
Question ID : **26433079449**
Status : **Answered**
Chosen Option : **1**

Q.9 **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.)
Movie : Director :: Orchestra : ?

Ans
✗ 1. Choreographer
✓ 2. Conductor
✗ 3. Dancer
✗ 4. Audience

Question ID : **26433056808**
Status : **Answered**
Chosen Option : **2**

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



Ans

✔ 1.

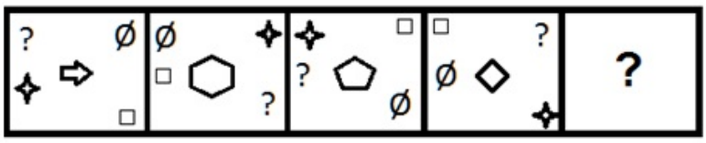
✘ 2.

✘ 3.

✘ 4.

Question ID : **26433080509**
Status : **Answered**
Chosen Option : **1**

Q.11 Select the figure that will come next in the following figure series.

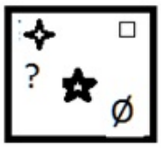


Ans

✘ 1.

✔ 2.

✘ 3.

✘ 4. 

Question ID : **26433068973**
Status : **Answered**
Chosen Option : **2**

Q.12 Which of the following terms will replace the question mark (?) in the given series?

AVTE CTRG ERPI GPNK ?

Ans
✔ 1. INLM
✘ 2. MINL
✘ 3. ILNM
✘ 4. INJM

Question ID : **26433085328**
Status : **Answered**
Chosen Option : **1**

Q.13 **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 – R ÷ Q
✘ 2. P ÷ R × Q
✘ 3. P × R – Q
✔ 4. P ÷ R – Q

Question ID : **264330105008**
Status : **Answered**
Chosen Option : **4**

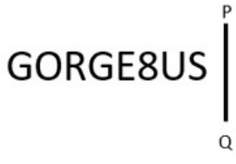
Q.14 Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

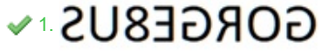
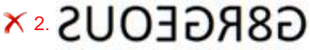
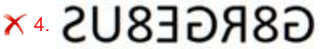
$(6)^2 - 20 + (28 \div 7) - [(\sqrt{4}) \times 8] + (2)^2 = 40$

Ans
✔ 1. 6 and 8
✘ 2. 7 and 2
✘ 3. 2 and 8
✘ 4. 20 and 8

Question ID : **26433069212**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.



Ans
✔ 1. 
✘ 2. 
✘ 3.
✘ 4. 

Question ID : **26433067823**
Status : **Answered**
Chosen Option : **1**

Q.16 **A + B means 'A is the father of B'**
A – B means 'A is the mother of B'
A % B means 'A is the brother of B'
A # B means 'A is the daughter of B'
If P + Q % R % S # T – U , then how is Q related to U?

Ans
✔ 1. Brother
✘ 2. Brother-in-law
✘ 3. Father
✘ 4. Son

Question ID : **26433059906**
Status : **Answered**
Chosen Option : **1**

Q.17 **Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).**
Statements:
Some ships are cups.
No cup is a stool.
All windows are cups.
Conclusions:
I. Some ships being windows is a possibility.
II. No window is a stool.
III. All cups are windows.
IV. No ship is a stool.

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

Question ID : **26433070351**
Status : **Answered**
Chosen Option : **3**

Q.18 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '5'.

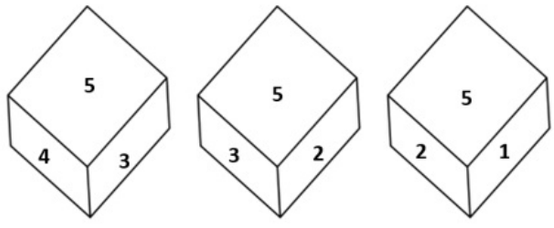


Figure 1 Figure 2 Figure 3

Ans
✘ 1. 2
✘ 2. 1
✔ 3. 6
✘ 4. 3

Question ID : **26433069435**
Status : **Answered**
Chosen Option : **3**

Q.19 In a certain code language, 'CHILDREN' is written as 'FKLOGUHQ' and 'SCHOOL' is written as 'VFKRRO', how will 'CLASSROOM' be written in that language?

Ans
✗ 1. EMCTTTQQO
✗ 2. EMCTTURRP
✗ 3. FOEWWURRP
✓ 4. FODVVURRP

Question ID : **26433067767**
Status : **Answered**
Chosen Option : **4**

Q.20 In the following question, select the missing number from the given series.
41, 54, 67, 80, 93, ?

Ans
✓ 1. 106
✗ 2. 108
✗ 3. 105
✗ 4. 110

Question ID : **264330105024**
Status : **Answered**
Chosen Option : **1**

Q.21 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. 17 – 31
✓ 2. 13 – 25
✗ 3. 15 – 27
✗ 4. 9 – 15

Question ID : **264330105063**
Status : **Answered**
Chosen Option : **2**

Q.22 In a certain code language, 'INBOX' is written as 'MRYCL' and 'EMAIL' is written as 'NVZOR'. How will 'DRAFT' be written in that language?

Ans
✗ 1. UGZWI
✗ 2. WIZGU
✓ 3. IWZGU
✗ 4. IWGZU

Question ID : **26433067340**
Status : **Answered**
Chosen Option : **3**

Q.23 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans
✗ 1. TQR
✗ 2. MJK
✗ 3. IFG
✓ 4. NKI

Question ID : **26433069013**
Status : **Answered**
Chosen Option : **4**

Q.24 **Which of the following letter-clusters will replace the question mark (?) and complete the following letter-cluster series?**
LE, OJ, UO, DT, ?

Ans
✗ 1. PZ
✗ 2. QY
✗ 3. PX
✓ 4. PY

Question ID : **26433067274**
Status : **Answered**
Chosen Option : **4**

Q.25 **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.**
GAIN : HBKP :: ACHE : BDJG :: CAKE : ?

Ans
✗ 1. DBNH
✗ 2. DBMH
✗ 3. DBNG
✓ 4. DBMG

Question ID : **26433068515**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 **Earth's core is mainly made up of _____.**

Ans
✗ 1. nickel and copper
✗ 2. nickel and alumina
✓ 3. nickel and iron
✗ 4. nickel and magnesium

Question ID : **264330105640**
Status : **Answered**
Chosen Option : **3**

Q.2 **The subject of the Study of Macro Economics is based on which principle?**

Ans
✓ 1. The principle of National Income
✗ 2. The principle of Consumer
✗ 3. The principle of Producer
✗ 4. The principle of Investment

Question ID : **26433065430**
Status : **Answered**
Chosen Option : **1**

Q.3 **Who has been appointed as new National e-Governance Division CEO in March 2022?**

Ans
- ✗ 1. Nitin Chugh
- ✗ 2. Rajiv Kumar
- ✓ 3. Abhishek Singh
- ✗ 4. TS Ramakrishnan

Question ID : **264330105334**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **The Durga temple at Aihole, built about _____ years ago.**

Ans
- ✗ 1. 1700
- ✗ 2. 2000
- ✗ 3. 1100
- ✓ 4. 1400

Question ID : **264330105204**
Status : **Answered**
Chosen Option : **4**

Q.5 **According to the Brihat Samhita, what do you call the process of making scents, mouth perfumes and bath powders?**

Ans
- ✗ 1. Jatuka
- ✓ 2. Gandhayukli
- ✗ 3. Kamplcica
- ✗ 4. Pattanga

Question ID : **26433086754**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **Which organic compound has the structure R−COOH, with R referring to the alkyl, alkenyl, aryl, or other group?**

Ans
- ✓ 1. Carboxylic acid
- ✗ 2. Ester
- ✗ 3. Ketone
- ✗ 4. Aldehydes

Question ID : **26433092182**
Status : **Answered**
Chosen Option : **1**

Q.7 **Which Article of the Constitution of India authorises the President to seek the opinion of the Supreme Court in specific categories of matters?**

Ans
- ✗ 1. Article 144
- ✗ 2. Article 145
- ✗ 3. Article 142
- ✓ 4. Article 143

Question ID : **26433064721**
Status : **Answered**
Chosen Option : **1**

Q.8 The 'flag-raising' ceremony by the Prime Minister of India on Independence Day is held at which of the following places in Delhi?

Ans
✗ 1. Old Fort
✗ 2. Parliament House
✗ 3. Rashtrapati Bhavan
✓ 4. Red Fort

Question ID : **26433071487**
Status : **Answered**
Chosen Option : **4**

Q.9 The British Parliament transferred the powers of the East India company to the British crown in _____.

Ans
✗ 1. 1856
✓ 2. 1858
✗ 3. 1854
✗ 4. 1860

Question ID : **264330105575**
Status : **Answered**
Chosen Option : **2**

Q.10 According to census 2001, sex ratio is _____ females per 1000 males.

Ans
✗ 1. 943
✗ 2. 923
✓ 3. 933
✗ 4. 913

Question ID : **264330105528**
Status : **Answered**
Chosen Option : **3**

Q.11 The Central Universities (Amendment) Bill, 2022 was passed in Lok Sabha in _____.

Ans
✓ 1. August
✗ 2. July
✗ 3. November
✗ 4. September

Question ID : **264330105245**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Which city is called the 'Manchester of India'?

Ans
✗ 1. Ludhiana
✗ 2. Visakhapatnam
✗ 3. Hyderabad
✓ 4. Ahmedabad

Question ID : **264330105617**
Status : **Answered**
Chosen Option : **4**

Q.13 Which of the following is used in photography?

Ans
1. Sodium bicarbonate
2. Sodium thiosulphate
3. Sodium hydroxide
4. Sodium sulphate

Question ID : **26433066465**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Who among the following rulers appointed Ladha and Pira, two gardeners to high administrative post?

Ans
1. Khizr Khan
2. Muhammad Tughluq
3. Bahlul Lodi
4. Iltutmish

Question ID : **264330105427**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Pivoting is related to which of the following sports?

Ans
1. Hockey
2. Volleyball
3. Badminton
4. Basketball

Question ID : **26433059426**
Status : **Answered**
Chosen Option : **2**

Q.16 Who has been appointed as the country's second Chief of Defence Staff (CDS)?

Ans
1. Anil Chauhan
2. Manoj Kumar
3. R Dinesh
4. Sanjay Agarwal

Question ID : **264330105252**
Status : **Answered**
Chosen Option : **1**

Q.17 In all AIBA Boxing competitions, the rest time between each round is _____ minutes.

Ans
1. 1
2. 2
3. 3
4. 5

Question ID : **26433059433**
Status : **Answered**
Chosen Option : **2**

Q.18 To safeguard public property and to abjure violence is a_____ in the Indian Constitution.

Ans
✔ 1. fundamental duty
✘ 2. social ethic
✘ 3. fundamental right
✘ 4. directive principle of state policy

Question ID : **26433086784**
Status : **Answered**
Chosen Option : **1**

Q.19 In honour of an Indian musician, the US state of Massachusetts proclaimed 20 April as _____ in 1984.

Ans
✘ 1. Sakhawat Hussain Day
✘ 2. Sharan Rani Backliwal Day
✔ 3. Amjad Ali Khan Day
✘ 4. Allauddin Khan Day

Question ID : **26433071496**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Rukmini Devi Arundale is the exponent of which of the following Indian classical dance forms?

Ans
✔ 1. Bharatanatyam
✘ 2. Manipuri
✘ 3. Sattriya
✘ 4. Odissi

Question ID : **26433064653**
Status : **Not Answered**
Chosen Option : **--**

Q.21 In which group are the non-metal elements placed in a vertical column on the right side of the periodic table?

Ans
✘ 1. Group 1
✘ 2. Group 2
✔ 3. Group 17
✘ 4. Group 3

Question ID : **26433089686**
Status : **Answered**
Chosen Option : **3**

Q.22 _____ measures the aggregate production of final goods and services taking place within the domestic economy during a year.

Ans
✘ 1. Gross National income
✔ 2. Gross domestic product
✘ 3. Net national product
✘ 4. National income at factor price

Question ID : **264330105360**
Status : **Answered**
Chosen Option : **2**

Q.23 Nuts, vegetable oil and fish are good source of which of the following?

Ans
1. Carbohydrates
2. Minerals
3. Healthy fats
4. Proteins

Question ID : **26433071440**
Status : **Answered**
Chosen Option : **4**

Q.24 In which of the following years was the Indian National Congress split into two groups named as Moderates and Extremists?

Ans
1. 1895
2. 1899
3. 1907
4. 1904

Question ID : **26433089146**
Status : **Answered**
Chosen Option : **3**

Q.25 Who among the following contemporary style dancers was the first Indian dancer to receive the dance WEB Europe Scholarship? He/She also won the 2002 American Choreography Award for his/her work in the movie 'Lagaan'?

Ans
1. Terence Lewis
2. Ashley Lobo
3. Padmini Chettur
4. Shakti Mohan

Question ID : **26433074837**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 Find the number of common tangents, if $r_1 + r_2 = C_1C_2$.(With usual notations, r_1 & r_2 and C_1 & C_2 are the radii and centres of the two circles.)

Ans
1. 1
2. 0
3. 3
4. 4

Question ID : **26433074351**
Status : **Answered**
Chosen Option : **3**

Q.2 Which of the following pairs of non-zero values of p and q make 6-digit number 674pq0 divisible by both 3 and 11?

Ans
1. p = 2 and q = 2
2. p = 5 and q = 4
3. p = 4 and q = 2
4. p = 5 and q = 2

Question ID : **26433074978**
Status : **Answered**
Chosen Option : **4**

Q.3 **A policeman saw a thief from a distance of 450 m. When the policeman started chasing him, the thief also started running. The ratio of speeds of the thief to the policeman is 7 : 8. After running how much distance (in km) can the policeman catch the thief?**

Ans
✗ 1. 3.75
✗ 2. 3.4
✓ 3. 3.6
✗ 4. 3.15

Question ID : **26433075200**
Status : **Answered**
Chosen Option : **3**

Q.4 **The length of the side of a cube is 5.6 cm. What is the volume of the largest sphere that can be taken out of the cube?**

Ans
✓ 1. 91.98 cm^3
✗ 2. 99.96 cm^3
✗ 3. 96.98 cm^3
✗ 4. 90.69 cm^3

Question ID : **264330105884**
Status : **Answered**
Chosen Option : **1**

Q.5 **The curved surface area of the sphere is 154 cm^2. Find the volume of the sphere (rounded off to one digit after decimal).**

Ans
✗ 1. 156.9 cm^3
✓ 2. 179.7 cm^3
✗ 3. 161.1 cm^3
✗ 4. 147.8 cm^3

Question ID : **26433063969**
Status : **Answered**
Chosen Option : **2**

Q.6 If $x + \frac{1}{x} = -14$, and $x < -1$, what will be the value of $x^2 - \frac{1}{x^2}$?

Ans
✗ 1. $-112\sqrt{3}$
✓ 2. $112\sqrt{3}$
✗ 3. $-140\sqrt{2}$
✗ 4. $140\sqrt{2}$

Question ID : **26433075305**
Status : **Answered**
Chosen Option : **1**

Q.7 Study the given table and answer the question that follows.

The table shows the number of donuts sold by three different stores in five different months.

Store	Month				
	July	August	September	October	November
P	400	350	263	125	420
Q	660	170	465	905	180
R	342	182	700	960	235

What is the ratio of the total number of donuts sold by stores P and R together in October to the total number of donuts sold by stores Q and R together in the same month?

Ans

✗ 1. 353 : 217

✓ 2. 217 : 373

✗ 3. 373 : 217

✗ 4. 217 : 353

Question ID : **26433083055**
Status : **Answered**
Chosen Option : **2**

Q.8 **0.5 is what percentage of 20?**

Ans

✗ 1. 25%

✗ 2. 0.25%

✓ 3. 2.5%

✗ 4. 0.025%

Question ID : **26433075142**
Status : **Answered**
Chosen Option : **3**

Q.9 **In triangle ABC, AD is the angle bisector of angle A. If AB = 8.4 cm and AC = 5.6 cm and DC = 2.8 cm, then the length of side BC will be:**

Ans

✗ 1. 4.2 cm

✗ 2. 5.6 cm

✓ 3. 7 cm

✗ 4. 2.8 cm

Question ID : **26433075899**
Status : **Answered**
Chosen Option : **3**

Q.10 **A hotel is giving a discount of 12% on the booking of 2 or more rooms. Additionally, the hotel is offering a 5% discount only on payment using any card of SBI. Rakesh booked 2 rooms in the hotel for a day at the rate of Rs.1,500 per room per day. While checking out, he paid the bill using SBI Silver Card. How much amount did he have to pay?**

Ans

✗ 1. Rs.2,498

✗ 2. Rs.1,254

✓ 3. Rs.2,508

✗ 4. Rs.2,618

Question ID : **26433075065**
Status : **Answered**
Chosen Option : **2**

Q.11 R jogs at twice the speed of walking and runs at twice the speed of jogging. From his home to office, he covers half of the distance by walking and the rest by jogging. From his office to home, he covers half the distance jogging and the rest by running. What is his average speed (in km/h) in a complete round from his home to office and back home if the distance between his office and home is 10 km and he walks at the speed of 5 km/h?

Ans

✗ 1. $\frac{90}{8}$

✗ 2. $\frac{60}{8}$

✗ 3. $\frac{60}{9}$

✓ 4. $\frac{80}{9}$

Question ID : **26433071245**
Status : **Answered**
Chosen Option : **4**

Q.12 The ratio of the present ages of Ram and Ramesh is 3 : 5. After 7 years the ratio of their ages will be 4 : 5. Find the present age of Ramesh.

Ans

✗ 1. 5 years

✗ 2. 15 years

✓ 3. 7 years

✗ 4. 12 years

Question ID : **26433064984**
Status : **Answered**
Chosen Option : **3**

Q.13 If $k^4+\frac{1}{k^4}=47$, then what is the value of $k^3+\frac{1}{k^3}$?

Ans

✗ 1. 4.5

✗ 2. 54

✓ 3. 18

✗ 4. 9

Question ID : **264330105955**
Status : **Answered**
Chosen Option : **3**

Q.14 Ram sold a plot for Rs.4,00,000 at a 20% loss. For what price should he sell the plot to gain a 5% profit?

Ans

✓ 1. Rs.5,25,000

✗ 2. Rs.5,20,000

✗ 3. Rs.5,00,000

✗ 4. Rs.5,05,000

Question ID : **26433063469**
Status : **Answered**
Chosen Option : **1**

Q.15 **The HCF of two numbers 110 and 1980 is:**

Ans
✗ 1. 140
✓ 2. 110
✗ 3. 120
✗ 4. 180

Question ID : **26433079816**
Status : **Answered**
Chosen Option : **2**

Q.16 **The simplified form of $(x + 2y)^3 + (x - 2y)^3$ is:**

Ans
✓ 1. $2x^3 + 24xy^2$
✗ 2. $2x^3 - 24xy^2$
✗ 3. $x^3 - 8y^3$
✗ 4. $x^3 + 8y^3$

Question ID : **26433076343**
Status : **Answered**
Chosen Option : **1**

Q.17 **In how much time will a sum of Rs. 5250 amounts to Rs. 9870 at the rate of 11 percent per annum at simple interest?**

Ans
✓ 1. 8 years
✗ 2. 14 years
✗ 3. 12 years
✗ 4. 15 years

Question ID : **264330105672**
Status : **Answered**
Chosen Option : **1**

Q.18 **The table given below shows the production of bike and truck by five companies.**

	Production	
Companies	Bike	Truck
G	800	600
H	550	400
I	600	300
J	350	700
K	400	750

What is the ratio of the production of truck by company H and I together to the production bike by company J and K together?

Ans
✗ 1. 14 : 17
✗ 2. 15 : 14
✗ 3. 14 : 19
✓ 4. 14 : 15

Question ID : **264330105740**
Status : **Answered**
Chosen Option : **4**

Q.19 If $\sin\theta + \cos\theta = \frac{\sqrt{3}-1}{2\sqrt{2}}$, then what is the value of $\tan\theta + \cot\theta$?

Ans
✔ 1. 8(√3-2)
✘ 2. 12(√3-2)
✘ 3. 12(√3+2)
✘ 4. 8(√3+2)

Question ID : **26433063824**
Status : **Answered**
Chosen Option : **1**

Q.20 **In triangle ABC, the bisector of angle BAC cuts the side BC at D. If AB = 10 cm, and AC = 14 cm then what is BD : BC ?**

Ans
✘ 1. 5 : 3
✘ 2. 7 : 5
✘ 3. 5 : 2
✔ 4. 5 : 7

Question ID : **264330105815**
Status : **Answered**
Chosen Option : **4**

Q.21 If $\sin\theta = \frac{8}{17}$, then find the value of $\tan\theta$.

Ans
✘ 1. $\frac{15}{17}$
✔ 2. $\frac{8}{15}$
✘ 3. $\frac{15}{8}$
✘ 4. $\frac{17}{15}$

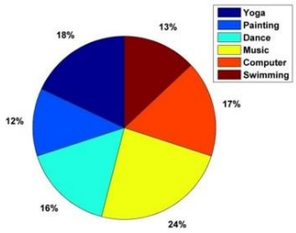
Question ID : **26433065322**
Status : **Answered**
Chosen Option : **2**

Q.22 **If sec 2θ = cosec (θ – 36°), where 2θ is an acute angle, find the value of θ.**

Ans
✘ 1. 32°
✘ 2. 46°
✘ 3. 20°
✔ 4. 42°

Question ID : **26433092176**
Status : **Answered**
Chosen Option : **4**

Q.23 The given pie-chart shows the total number of children who opted different courses in a summer camp in May 2019.



300 students attended the summer camp, and every child was allowed to opt only one activity for the camp. The total number of students who opted for Yoga and Painting taken together is how much less than the total number of children who opted for Music and Dance taken together?

Ans

✗ 1. 45

✗ 2. 35

✓ 3. 30

✗ 4. 40

Question ID : **26433082421**
Status : **Answered**
Chosen Option : **3**

Q.24 The following table shows the amount of annual rainfall in inches in 8 different states of India.

	T	A	M	N	K	P	D	R
2015	80	70	98	78	68	65	70	59
2016	85	70	95	77	69	60	71	59
2017	86	71	96	76	66	67	71	60
2018	84	70	96	75	67	66	69	61
2019	80	74	97	74	67	64	75	60
2020	81	75	98	75	68	65	74	65
2021	82	72	98	73	70	65	73	65

How many states have witnessed an increase in the amount of annual rainfall continuously for two times in immediate years?

Ans

✗ 1. 4

✓ 2. 5

✗ 3. 3

✗ 4. 6

Question ID : **26433082752**
Status : **Answered**
Chosen Option : **2**

Q.25 नुमन 4/5 समय में गगन से आधा काम करता है। यदि वे एक साथ एक कार्य को पूरा करने में 16 दिन लेते हैं, तो गगन को उस कार्य को पूरा करने में कितना समय लगेगा?

Ans

✗ 1. 23 दिन

✗ 2. 24 दिन

✗ 3. 25 दिन

✓ 4. 26 दिन

Question ID : **26433075123**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 **Select the most appropriate synonym of the given word.**
Perseverance

Ans
✗ 1. Discipline
✗ 2. Tolerance
✓ 3. Steadfastness
✗ 4. Humbleness

Question ID : **26433070617**
Status : **Answered**
Chosen Option : **2**

Q.2 **Select the most appropriate ANTONYM of the given word.**
Native

Ans
✗ 1. Vicinity
✗ 2. Realm
✓ 3. Foreign
✗ 4. Aboriginal

Question ID : **26433059715**
Status : **Answered**
Chosen Option : **3**

Q.3 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Delight
✓ 2. Striphe
✗ 3. Fright
✗ 4. Knight

Question ID : **26433065135**
Status : **Answered**
Chosen Option : **2**

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

A person having significant experience in an occupation

Ans
✗ 1. Agnostic
✗ 2. Fastidious
✓ 3. Veteran
✗ 4. Novice

Question ID : **26433071762**
Status : **Answered**
Chosen Option : **3**

Q.5 **Rearrange the parts of the sentence in correct order.**
Jobseekers are not
P. being unemployed are a test of faith
Q. self-purification, where the difficulties of
R. relentlessly to a pilgrimage of
S. fatalistic but reapply themselves

Ans
✗ 1. SPQR
✗ 2. PQSR
✓ 3. SRQP
✗ 4. RPSQ

Question ID : **264330104692**
Status : **Answered**
Chosen Option : **3**

Q.6 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

Don't disturb the boy, he <u>prepares</u> for his examination.

Ans
✗ 1. prepared
✓ 2. is preparing
✗ 3. was preparing
✗ 4. will be preparing

Question ID : **26433073844**
Status : **Answered**
Chosen Option : **2**

Q.7 **Select the most appropriate option to complete the given sentence.**
He booked the tickets for the show _____.

Ans
✗ 1. in demand
✗ 2. in common
✗ 3. in depth
✓ 4. in advance

Question ID : **26433084709**
Status : **Answered**
Chosen Option : **4**

Q.8 **Select the most appropriate meaning of the underlined idiom in the given sentence.**
"Just add a bit of cheese to your pasta and <u>Bob's your uncle!"</u> Reena suggested to me over dinner last night.

Ans
✓ 1. It becomes easily and quickly achievable
✗ 2. It changes the appearance
✗ 3. It ruins everything
✗ 4. It changes nothing

Question ID : **26433061579**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the most appropriate meaning of the underlined idiom in the given sentence.**

When the District Attorney asked the convict about details of the day of the crime, he started beating about the bush.

Ans
1. Being excessively aggressive
2. Accusing others of the crime
3. Speaking in a confusing manner without giving a correct answer
4. Trying to invoke sympathy

Question ID : **26433072084**
Status : **Answered**
Chosen Option : **3**

Q.10 **Choose the incorrectly spelt word.**

Ans
1. Innocense
2. Governance
3. Enforcement
4. Insufficient

Question ID : **264330104754**
Status : **Answered**
Chosen Option : **1**

Q.11 **Select the option that expresses the given sentence in active voice.**

I was fascinated by the movie.

Ans
1. The movie fascinated me.
2. The movie was fascinated to me.
3. The movie fascinate me.
4. The movie fascinates me.

Question ID : **26433088306**
Status : **Answered**
Chosen Option : **1**

Q.12 **Identify the most appropriate ANTONYM of the underlined word in the given sentence.**
The patient was happy that he was given ancient methods of treatment to cure her health condition.

Ans
1. Multiple
2. Modern
3. Slow
4. Primitive

Question ID : **26433060409**
Status : **Answered**
Chosen Option : **2**

Q.13 **Select the most appropriate ANTONYM of the given word.**

Consent

Ans
✔ 1. Dissent
✘ 2. Variety
✘ 3. Integrity
✘ 4. Sanction

Question ID : **26433071782**
Status : **Answered**
Chosen Option : **1**

Q.14 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

I had walked / for most of the day / to Kanpur and then / get on the train by Mumbai.

Ans
✘ 1. I had walked
✘ 2. to Kanpur and then
✔ 3. get on the train by Mumbai
✘ 4. for most of the day

Question ID : **26433088155**
Status : **Answered**
Chosen Option : **3**

Q.15 **Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.**

Have you want me to come with you to the dentist?

Ans
✘ 1. Has you wanted me
✘ 2. No substitution required
✘ 3. Had you want me
✔ 4. Do you want me

Question ID : **26433088437**
Status : **Answered**
Chosen Option : **4**

Q.16 **Select the most appropriate option to fill in the blank and complete the collocation.**

Although she didn't reveal her plans clearly, I had a _____ idea.

Ans
✘ 1. clear
✘ 2. concise
✘ 3. complete
✔ 4. rough

Question ID : **26433073570**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the option that expresses the given sentence in passive voice.**

The first-year students are bidding farewell to their seniors.

Ans

✗ 1. Farewell is to be bid to their seniors by the first-year students.

✗ 2. Farewell was being bid to their seniors by the first-year students.

✓ 3. Farewell is being bid to their seniors by the first-year students.

✗ 4. Their seniors is being bid farewell by the first-year students.

Question ID : **26433094169**
Status : **Answered**
Chosen Option : **3**

Q.18 **Parts of the following sentence have been given as options. Select the option that contains a grammatical error.**

The jury was not happy with the performance / and was quite harsh. / The singer took / their criticism in heart.

Ans

✗ 1. The jury was not happy with the performance

✗ 2. The singer took

✓ 3. their criticism in heart.

✗ 4. and was quite harsh.

Question ID : **26433073829**
Status : **Answered**
Chosen Option : **3**

Q.19 **The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.**
P. He is well aware of the role he and his people play in keeping Shivsagar Lake as beautiful and ecologically thriving.
Q. However, he is also deeply aware of the fact that the urban idea of conservation often seeks to keep traditional dwellers out.
R. Jason, 45, has a quiet, confident presence.
S. He takes a long time to open up and even after that, he speaks little.

Ans

✗ 1. RQPS

✓ 2. RSPQ

✗ 3. PSQR

✗ 4. PRSQ

Question ID : **264330104703**
Status : **Answered**
Chosen Option : **2**

Q.20 **Select the correct indirect form of the given sentence.**
Priya assured me, "I can stay in tonight."

Ans

✗ 1. Priya told me that she could stay in this night.

✓ 2. Priya told me that she could stay in that night.

✗ 3. Priya told me that she could stay in tonight.

✗ 4. Priya told me that she can stay in that night.

Question ID : **264330104600**
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.

Four of the most popular forms i.e. Facebook, Twitter, Snapchat and Instagram of social media (1)_____ great damage upon young people's mental health. These four platforms have a negative effect because they can (2) _____ children's and young people's body image worries, and worsen bullying, sleep problems, anxiety, depression and loneliness. The findings follow growing (3) _____ among politicians, health bodies, doctors and parents about young people suffering harm as a result of cyber bullying and social media (4)_____ feelings of self-loathing and leading them to commit suicide. However, the leader of the UK's psychiatrists said these findings were too simplistic and they (5)_____ blamed social media for the complex reasons why the mental health of so many young people is suffering.

SubQuestion No : 21

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

Ans

✔ 1. inflict

✘ 2. impious

✘ 3. perpetrating

✘ 4. discrete

Question ID : **26433084835**
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.

Four of the most popular forms i.e. Facebook, Twitter, Snapchat and Instagram of social media (1)_____ great damage upon young people's mental health. These four platforms have a negative effect because they can (2) _____ children's and young people's body image worries, and worsen bullying, sleep problems, anxiety, depression and loneliness. The findings follow growing (3) _____ among politicians, health bodies, doctors and parents about young people suffering harm as a result of cyber bullying and social media (4)_____ feelings of self-loathing and leading them to commit suicide. However, the leader of the UK's psychiatrists said these findings were too simplistic and they (5)_____ blamed social media for the complex reasons why the mental health of so many young people is suffering.

SubQuestion No : 22

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

Ans

✘ 1. mitigate

✘ 2. effectuate

✔ 3. exacerbate

✘ 4. alleviate

Question ID : **26433084836**
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.

Four of the most popular forms i.e. Facebook, Twitter, Snapchat and Instagram of social media (1)_____ great damage upon young people's mental health. These four platforms have a negative effect because they can (2) _____ children's and young people's body image worries, and worsen bullying, sleep problems, anxiety, depression and loneliness. The findings follow growing (3) _____ among politicians, health bodies, doctors and parents about young people suffering harm as a result of cyber bullying and social media (4)_____ feelings of self-loathing and leading them to commit suicide. However, the leader of the UK's psychiatrists said these findings were too simplistic and they (5)_____ blamed social media for the complex reasons why the mental health of so many young people is suffering.

SubQuestion No : 23

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

Ans

✔ 1. concern

✘ 2. consternate

✘ 3. bridle

✘ 4. poise

Question ID : **26433084837**
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.

Four of the most popular forms i.e. Facebook, Twitter, Snapchat and Instagram of social media (1)_____ great damage upon young people's mental health. These four platforms have a negative effect because they can (2) _____ children's and young people's body image worries, and worsen bullying, sleep problems, anxiety, depression and loneliness. The findings follow growing (3) _____ among politicians, health bodies, doctors and parents about young people suffering harm as a result of cyber bullying and social media (4)_____ feelings of self-loathing and leading them to commit suicide. However, the leader of the UK's psychiatrists said these findings were too simplistic and they (5)_____ blamed social media for the complex reasons why the mental health of so many young people is suffering.

SubQuestion No : 24

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

Ans

✔ 1. reinforcing

✘ 2. accentuate

✘ 3. augment

✘ 4. ebbing

Question ID : **26433084838**
Status : **Answered**
Chosen Option : **3**

Comprehension:

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

Four of the most popular forms i.e. Facebook, Twitter, Snapchat and Instagram of social media (1)_____ great damage upon young people's mental health. These four platforms have a negative effect because they can (2) _____ children's and young people's body image worries, and worsen bullying, sleep problems, anxiety, depression and loneliness. The findings follow growing (3) _____ among politicians, health bodies, doctors and parents about young people suffering harm as a result of cyber bullying and social media (4)_____ feelings of self-loathing and leading them to commit suicide. However, the leader of the UK's psychiatrists said these findings were too simplistic and they (5)_____ blamed social media for the complex reasons why the mental health of so many young people is suffering.

SubQuestion No : 25

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

Ans

✗ 1. legitimately

✗ 2. impartially

✓ 3. unfairly

✗ 4. outlandish

Question ID : **26433084839**
Status : **Answered**
Chosen Option : **3**