Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	24/07/2023
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **Three of the following four triads are alike in a certain way as they are formed by performing same mathematical operations among themselves and thus form a group. Which triad does NOT belong to that group?**

Ans

✗ 1. 11 : 21 : 121

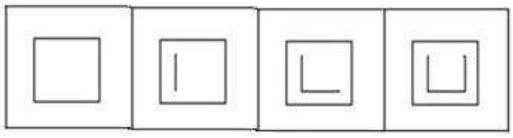
✗ 2. 2 : 3 : 4

✓ 3. 7 : 15 : 49

✗ 4. 9 : 17 : 81

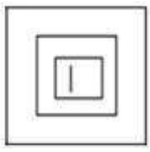
Question ID : **264330143700**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the figure from among the given options that can replace the question mark (?) in the following series.

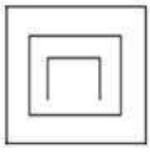


Ans

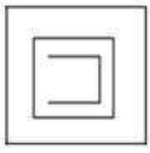
✗ 1.



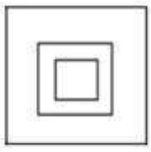
✗ 2.



✗ 3.



✓ 4.



Question ID : **26433087139**
Status : **Answered**
Chosen Option : **4**

Q.3 **The fifteenth day of the month of June is a Saturday. What will be the last day of the next month which has 31 days?**

Ans

✗ 1. Tuesday

✗ 2. Monday

✗ 3. Friday

✓ 4. Wednesday

Question ID : **26433067252**
Status : **Answered**
Chosen Option : **4**

Q.4 **Which option represents the correct order of the given words as they would appear in an English dictionary?**
1.Elite
2.Elude
3.Elaborate
4.Elapsed
5.Elongate

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

Question ID : **26433097252**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.**
Portugal : Lisbon

Ans
✘ 1. Mozambique : Matola
✘ 2. Turkey : Istanbul
✘ 3. New Zealand : Canberra
✔ 4. Italy : Rome

Question ID : **264330103168**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the correct combination of mathematical signs to sequentially replace the @ signs and to balance the given equation.**
72 @ 9 @ 3 @ 6 @ 6 @ 6

Ans
✘ 1. ÷, ×, +, =,–, +
✔ 2. ÷, ×, +, =, ×,–
✘ 3. ×, ÷, =,–, +, ×
✘ 4. +, ×, =,–, ÷ , +

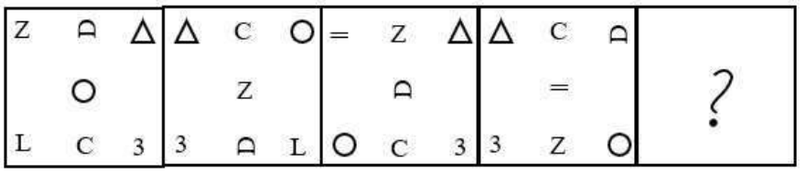
Question ID : **264330122235**
Status : **Answered**
Chosen Option : **2**

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.**
14 : 54 :: 21 : 82 :: 5 : ?

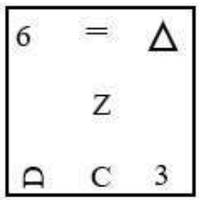
Ans
✘ 1. 24
✘ 2. 19
✘ 3. 15
✔ 4. 18

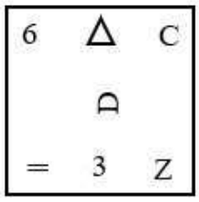
Question ID : **26433082450**
Status : **Answered**
Chosen Option : **4**

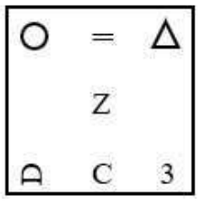
Q.8 Select the figure that will replace the question mark (?) in the following figure series.

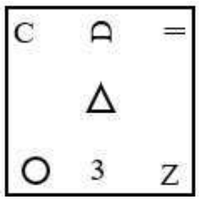


Ans

1. 

2. 

3. 

4. 

Question ID : **264330143834**
Status : **Marked For Review**
Chosen Option : **1**

Q.9 **Three different positions of the same dice are shown. Find the number on the face opposite to the face showing '3'.**

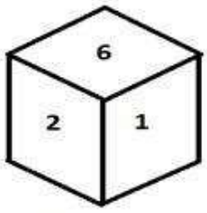


figure 1

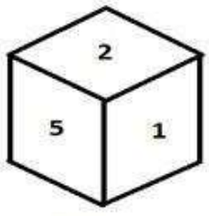


figure 2

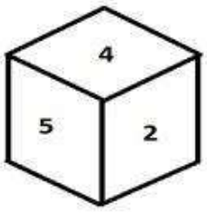


figure 3

Ans
✗ 1. 4
✓ 2. 2
✗ 3. 6
✗ 4. 5

Question ID : **26433096028**
Status : **Answered**
Chosen Option : **2**

Q.10 **Which of the following numbers will replace the question mark (?) in the given series?**
18, 20, 22, 27, 32, 39, ?

Ans
✗ 1. 47
✗ 2. 42
✓ 3. 46
✗ 4. 45

Question ID : **26433087028**
Status : **Answered**
Chosen Option : **3**

Q.11 **Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series.**
F G H _ Y _ G _ U Y F _ H _ Y F G _ W _

Ans
✗ 1. U F H G V I Y
✗ 2. T G H G V H Y
✓ 3. T F H G V H Y
✗ 4. U G H G V H Y

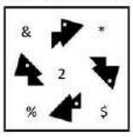
Question ID : **264330143743**
Status : **Answered**
Chosen Option : **3**

Q.12 **Select the set in which the numbers are related in the same way as are the numbers of the following sets:**
(4, 16, 8)
(2, 14, 9)
(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. (2, 8, 10)
2. (2, 8, 6)
3. (2, 8, 16)
4. (2, 8, 1)

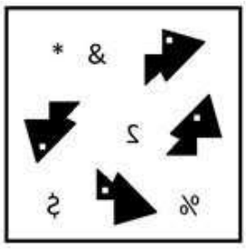
Question ID : **26433087187**
Status : **Answered**
Chosen Option : **2**

Q.13 Select the correct mirror image from the following options, when the mirror is placed on the right side of the given figure.

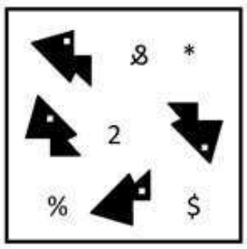


Ans

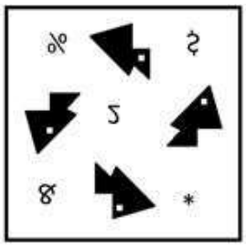
✗ 1.



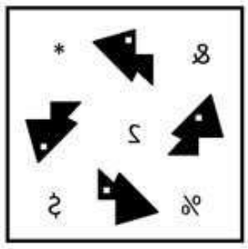
✗ 2.



✗ 3.



✓ 4.



Question ID : **264330103205**
Status : **Answered**
Chosen Option : **4**

Q.14 **Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.**

Statements:
Some boats are ships.
All ships are yachts.
All yachts are barges.

Conclusions:
I. Some barges are ships.
II. Some barges are boats.
III. Some yachts are boats.

Ans
✗ 1. Only conclusions II and III follow
✗ 2. Only conclusions I and III follow
✓ 3. All conclusions follow
✗ 4. Only conclusions I and II follow

Question ID : **264330145433**
Status : **Answered**
Chosen Option : **3**

Q.15 **In a certain code language, 'LIFETIME' is written as 'FGJMFNJU' and 'INTEGRAL' is written as 'FUOJMBSH'. How will 'INTEREST' be written in that language?**

Ans
✗ 1. FUOKUTGS
✓ 2. FUOJUTFS
✗ 3. FUOJVUFS
✗ 4. ETNITSER

Question ID : **26433069567**
Status : **Answered**
Chosen Option : **2**

Q.16 **Select the option that is related to the sixth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.**
EKH : BIE : : MGP : JEM :: ? : QDI

Ans
✗ 1. SFK
✗ 2. LFT
✗ 3. TGL
✓ 4. TFL

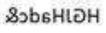
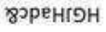
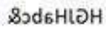
Question ID : **264330102979**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /Subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(4, 14, 828)
(3, 10, 620)

Ans
✗ 1. (1, 10, 100)
✓ 2. (2, 50, 500)
✗ 3. (5, 10, 980)
✗ 4. (4, 32, 98)

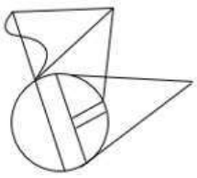
Question ID : **26433089581**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.18 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

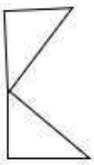
Ans
✗ 1.
✗ 2. 
✗ 3. 
✓ 4. 

Question ID : **26433058095**
Status : **Answered**
Chosen Option : **4**

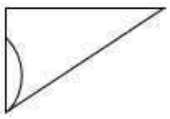
Q.19 Select the option figure which is embedded in the given figure(rotation is NOT allowed).

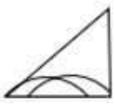


Ans

✗ 1. 

✓ 2.

✗ 3. 

✗ 4. 

Question ID : **26433097254**
Status : **Answered**
Chosen Option : **2**

Q.20 **In this question, 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 follows/follow from the statements.**

Statements:
Some roses are yellow.
Some yellow are buses.
All buses are green.

Conclusions:
I. All yellow are roses.
II. Some buses are yellow.
III. All yellow are green.

Ans
✗ 1. Only conclusion III follows.

✗ 2. None of the conclusions follows.

✓ 3. Only conclusion II follows.

✗ 4. Only conclusion I follows.

Question ID : **264330114234**
Status : **Answered**
Chosen Option : **3**

Q.21 Which of the following terms will replace the question mark (?) in the given series?
ZBQ, BFL, ?, FNB, HRW, JVR

Ans
1. DKG
2. DJF
3. DJG
4. DKF

Question ID : **26433069458**
Status : **Answered**
Chosen Option : **3**

Q.22 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)
(10, 5, 65)
(9, 8, 89)

Ans
1. (12, 5, 89)
2. (11, 10, 128)
3. (4, 5, 29)
4. (8, 7, 98)

Question ID : **26433089594**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Breakdown
2. Brevity
3. Breathe
4. Breeding
5. Breeze
6. Breakfast

Ans
1. 1, 3, 6, 4, 5, 2
2. 1, 6, 3, 4, 5, 2
3. 1, 3, 6, 5, 4, 2
4. 1, 6, 3, 5, 4, 2

Question ID : **264330132162**
Status : **Answered**
Chosen Option : **2**

Q.24 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
1. HSF
2. FUD
3. BYZ
4. JOH

Question ID : **26433092556**
Status : **Answered**
Chosen Option : **4**

Q.25 **Select the set in which the numbers are related in the same way as are the numbers of the given 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.)
(6, 4, 8)
(17, 6, 28)

Ans
✗ 1. (8, 3, 12)
✗ 2. (12, 9, 11)
✗ 3. (11, 4, 19)
✓ 4. (13, 5, 21)

Question ID : **26433057099**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 **Theoretical foundations of Bharatanatyam have been found in which of these Shastras?**

Ans
✗ 1. Arth Shastra
✗ 2. Vaimānika Shāstra
✗ 3. Dharma Shastra
✓ 4. Natya Shastra

Question ID : **264330109265**
Status : **Answered**
Chosen Option : **4**

Q.2 **Which tunnel has been built with ultra-modern specifications in the Pir Panjal range of the Himalayas at an altitude of 3000 metres above Mean Sea Level?**

Ans
✗ 1. Jawahar Tunnel
✗ 2. Syama Prasad Mookerjee Tunnel
✗ 3. Bhatan Tunnel
✓ 4. Atal Tunnel

Question ID : **264330111319**
Status : **Answered**
Chosen Option : **4**

Q.3 **In which Five-Year Plan was the Jawahar Rozgar Yojana started?**

Ans
✓ 1. Seventh
✗ 2. Fourth
✗ 3. Sixth
✗ 4. Fifth

Question ID : **26433054605**
Status : **Answered**
Chosen Option : **1**

Q.4 **Identify the element that does NOT belong to Period 6 of Modern Periodic Table.**

Ans
✔ 1. Silicon
✘ 2. Tungsten
✘ 3. Rhenium
✘ 4. Platinum

Question ID : **26433097105**
Status : **Answered**
Chosen Option : **1**

Q.5 **The Prime Minister in August 2021 announced the fortification of rice distributed under various government schemes including the Public Distribution System (PDS) and Mid-Day-Meal scheme by the year _____.**

Ans
✘ 1. 2023
✘ 2. 2026
✘ 3. 2025
✔ 4. 2024

Question ID : **26433082827**
Status : **Answered**
Chosen Option : **3**

Q.6 **From which country were the Directive Principles of State Policy of the Indian Constitution borrowed?**

Ans
✘ 1. The USSR
✘ 2. The US
✔ 3. Ireland
✘ 4. China

Question ID : **264330113396**
Status : **Answered**
Chosen Option : **3**

Q.7 **The national poverty line for 2011-12 was estimated at _____ per capita per month for rural areas of India.**

Ans
✘ 1. ₹1,206
✘ 2. ₹760
✔ 3. ₹816
✘ 4. ₹900

Question ID : **264330138116**
Status : **Answered**
Chosen Option : **1**

Q.8 The ten-day festival of Bastar Dussehra is associated with which Indian state?

Ans
✔ 1. Chhattisgarh
✘ 2. Odisha
✘ 3. Jharkhand
✘ 4. Bihar

Question ID : **264330109626**
Status : **Marked For Review**
Chosen Option : **3**

Q.9 Which group of Kingdom Animalia has unsegmented, bilaterally symmetrical, soft bodies, with a triploblastic construction (comprising three layers of cells) and a lacking coelom, skeleton and anus?

Ans
✘ 1. Cnidaria
✘ 2. Ctenophora
✔ 3. Platyhelminthes
✘ 4. Porifera

Question ID : **264330133270**
Status : **Marked For Review**
Chosen Option : **1**

Q.10 How many classes of Indian society are mentioned in Megasthene's book Indica?

Ans
✘ 1. 12
✘ 2. 10
✘ 3. 5
✔ 4. 7

Question ID : **264330114023**
Status : **Answered**
Chosen Option : **4**

Q.11 Lanthenides are often called:

Ans
✘ 1. alkali metals
✔ 2. rare earth elements
✘ 3. inert gases
✘ 4. d-block elements

Question ID : **264330109903**
Status : **Answered**
Chosen Option : **4**

Q.12 **Which of the following hills is a part of the Western Ghats?**

Ans
✔ 1. Anaimalai Hills
✘ 2. Khasi Hills
✘ 3. Jaintia Hills
✘ 4. Garo Hills

Question ID : **264330116467**
Status : **Answered**
Chosen Option : **1**

Q.13 **Major Dhyan Chand Khel Ratna Awards-2022, which was presented by President of India Droupadi Murmu on 30th November 2022, was given to _____ .**

Ans
✘ 1. Venkatesh Prasad
✔ 2. Sharath Kamal
✘ 3. Deepika Kumari
✘ 4. Manpreet Singh

Question ID : **264330133019**
Status : **Answered**
Chosen Option : **2**

Q.14 **The 'Pattanulkars' migrated from the Gujarat region to the Vijayanagar state. They were _____.**

Ans
✘ 1. goldsmiths
✘ 2. cotton traders
✔ 3. silk weavers
✘ 4. diamond makers

Question ID : **264330114838**
Status : **Answered**
Chosen Option : **3**

Q.15 **With which of the following Government of India Acts did the Montagu-Chelmsford Reforms introduce Dyarchy in the provinces?**

Ans
✘ 1. Government of India Act, 1945
✘ 2. Government of India Act, 1935
✘ 3. Government of India Act, 1923
✔ 4. Government of India Act, 1919

Question ID : **264330110209**
Status : **Answered**
Chosen Option : **4**

Q.16 **Who among the following was the first non-European to win a Noble prize in 1913 in literature for his work 'Gitanjali'?**

Ans
✔ 1. Rabindranath Tagore
✘ 2. Dwarka Nath Tagore
✘ 3. Bankim Chandra Chatterjee
✘ 4. Abanindranath Tagore

Question ID : **264330141523**
Status : **Answered**
Chosen Option : **1**

Q.17 **Ramkrishna Talukdar received the Sangeet Natak Akademi Award in 2018 for his contribution to the Sattriya dance form. To which state does this dance form belong?**

Ans
✘ 1. West Bengal
✔ 2. Assam
✘ 3. Meghalaya
✘ 4. Jharkhand

Question ID : **26433064794**
Status : **Answered**
Chosen Option : **2**

Q.18 **According to the World Meteorological Organization report reviewed during 2010-2012, the highest registered shade temperature of _____ was recorded at Al Aziziyah, Libya.**

Ans
✔ 1. 58°C
✘ 2. 68°C
✘ 3. 50°C
✘ 4. 72°C

Question ID : **264330110102**
Status : **Answered**
Chosen Option : **1**

Q.19 **Select the Indian musician who is associated with percussion instruments (played by striking).**

Ans
✘ 1. Pandit Ravi Shankar
✘ 2. Vishwa Mohan Bhat
✔ 3. Pandit Ayodhya Prasad
✘ 4. Bismillah Khan

Question ID : **264330130504**
Status : **Answered**
Chosen Option : **3**

Q.20 Rovers Cup is associated with which game?

Ans
1. Tennis
2. Badminton
3. Football
4. Hockey

Question ID : **264330110321**
Status : **Answered**
Chosen Option : **4**

Q.21 Article 323 of the Indian Constitution deals with _____.

Ans
1. expenses of Public Services Commissions
2. reports of Public Services Commissions
3. functions of Public Services Commissions
4. power to extend functions of Public Services Commissions

Question ID : **264330113412**
Status : **Answered**
Chosen Option : **2**

Q.22 Which of the following statement is correct regarding cell membrane?
I. The membrane is selectively permeable to some molecules present on either side of it.
II. Water may also move across this membrane from lower to higher concentration.

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

Question ID : **26433055117**
Status : **Answered**
Chosen Option : **4**

Q.23 How many substitute players are there in a Beach Volleyball team?

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

Question ID : **26433059436**
Status : **Answered**
Chosen Option : **4**

Q.24 **Identify the INCORRECT statement in the context of Microfinance Institutions in India.**

Ans
✗ 1. A microfinance loan is given to a household having annual household income up to ₹3,00,000.

✗ 2. A microfinance loan is a collateral-free loan.

✗ 3. When giving a micro loan, a household means an individual family unit, i.e., husband, wife, and their unmarried children.

✓ 4. A microfinance loan should be linked with a lien on the deposit account of the borrower.

Question ID : **264330109082**
Status : **Answered**
Chosen Option : **2**

Q.25 **The Union Ministry of Environment, Forest, and Climate Change notified the E-Waste Management Rules in 2022. These rules are supposed to be come into force from _____.**

Ans
✓ 1. 1 April 2023

✗ 2. 1 July 2023

✗ 3. 1 December 2022

✗ 4. 1 January 2023

Question ID : **264330137276**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 **A car covers a distance of 350 km in 5 hours and covers another 450 km at a speed of 90 km/h. What is the average speed (in km/h) of the car?**

Ans
✗ 1. 72

✗ 2. 82

✓ 3. 80

✗ 4. 85

Question ID : **264330103305**
Status : **Answered**
Chosen Option : **3**

Q.2 Simplify the following.

$$\frac{0.01\times 0.01\times 0.01+0.003\times 0.003\times 0.003}{0.05\times 0.05-0.015\times 0.05+0.015\times 0.015}$$

Ans

✗ 1. $\frac{13}{25}\times 10^{3}$

✗ 2. $\frac{13}{15}\times 10^{-3}$

✗ 3. $\frac{13}{15}\times 10^{3}$

✓ 4. $\frac{13}{25}\times 10^{-3}$

Question ID : **26433080257**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.3 **A shopping mart offers four different discounts schemes on the sale of an object as follows:**
(1) A discount of 30%
(2) Two successive discounts of 15%
(3) Buy 2, get 1 free
(4) Buy 5, get 3 free
Which discount scheme offers the maximum discount to a customer?

Ans

✗ 1. (1)

✓ 2. (4)

✗ 3. (2)

✗ 4. (3)

Question ID : **264330103965**
Status : **Answered**
Chosen Option : **2**

Q.4 **Two circles with radii 22 cm and 16 cm touch each other externally. The length of the direct common tangent is:**

Ans

✗ 1. $4\sqrt{22}$ cm

✗ 2. $8\sqrt{11}$ cm

✗ 3. $4\sqrt{11}$ cm

✓ 4. $8\sqrt{22}$ cm

Question ID : **26433083006**
Status : **Answered**
Chosen Option : **4**

Q.5 **If ∆ABC and ∆DEF are congruent triangles, then which of the following is FALSE?**

Ans
✔ 1. The ratio of AC to DF is 2 : 1.
✘ 2. The perimeter of both the triangles is equal.
✘ 3. AB = DE, and BC = EF.
✘ 4. The ratio of the angles in both the triangles is the same.

Question ID : **264330130042**
Status : **Answered**
Chosen Option : **1**

Q.6 If $\tan x = \frac{7}{5}$, then the value of $\frac{9\sin x - \frac{42}{5}\cos x}{15\sin x + 21\cos x}$ is:

Ans
✘ 1. 0
✘ 2. 1
✔ 3. 0.1
✘ 4. 0.5

Question ID : **26433083077**
Status : **Answered**
Chosen Option : **3**

Q.7 **The difference between the cubes of two given natural numbers is 6272, while the positive difference between the two given numbers is 8. What is the product of the two given numbers?**

Ans
✘ 1. 160
✔ 2. 240
✘ 3. 200
✘ 4. 320

Question ID : **264330101349**
Status : **Answered**
Chosen Option : **2**

Q.8 If $\frac{a}{b} = \frac{7}{6}$, then find the value of the expression $\frac{6a + 13b}{6a - 13b}$.

Ans
✘ 1. $-\frac{3}{10}$
✘ 2. $\frac{10}{3}$
✔ 3. $-\frac{10}{3}$
✘ 4. $\frac{3}{10}$

Question ID : **264330131493**
Status : **Answered**
Chosen Option : **3**

Q.9 In a 200-m linear race, if A gives B a start of 25 m, then A wins the race by 10 seconds. Alternatively, if A gives B a start of 45 m, the race ends in a dead heat. How long does A take to run 200m?

Ans
1. 78 seconds
2. 77 seconds
3. 78.5 seconds
4. 77.5 seconds

Question ID : **264330104205**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.10 Ram can copy 60 pages in 15 hours. If Ram and Riya together can copy 180 pages in 30 hours, then in how many hours can Riya copy 20 pages?

Ans
1. 29 hours
2. 12 hours
3. 20 hours
4. 10 hours

Question ID : **264330131857**
Status : **Answered**
Chosen Option : **4**

Q.11 4 women and 7 men earn a total of ₹11,480 in 7 days, while 10 women and 17 men earn a total of ₹ 36,360 in 9 days. How much will 11 women and 9 men together earn (in ₹) in 13 days?

Ans
1. 42770
2. 42640
3. 42510
4. 42900

Question ID : **264330114517**
Status : **Answered**
Chosen Option : **2**

Q.12 A notebook was sold for Rs.28 with a profit of 12%. If it had been sold for Rs.26.25, then what would have been the profit percentage?

Ans
1. 5%
2. 7%
3. 4%
4. 6%

Question ID : **26433082968**
Status : **Answered**
Chosen Option : **1**

Q.13 A can complete a work in 9 days and B in 12 days. If they work together on it for 5 days, then the fraction of the work left is:

Ans
1. $\frac{1}{35}$
2. $\frac{1}{36}$
3. $\frac{5}{36}$
4. $\frac{35}{36}$

Question ID : **264330130962**
Status : **Answered**
Chosen Option : **2**

Q.14 An airplane travels five times as fast as a bus. If the bus covers 60 km in 80 minutes, then what distance (in km) will the airplane cover in 25 minutes?

Ans
1. 95.35
2. 93.75
3. 65.35
4. 18.75

Question ID : **264330131467**
Status : **Answered**
Chosen Option : **2**

Q.15 The interest on a certain deposit at 4.5% p.a. is ₹135 in one year. How much will the additional interest in one year be on the same deposit at 5% p.a.?

Ans
1. ₹16
2. ₹15
3. ₹14
4. ₹18

Question ID : **264330106488**
Status : **Answered**
Chosen Option : **2**

Q.16 Simplify the following expression.
$2 + (30 - 26)^2 \div 8^{3-2} \times 0.5$

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

Question ID : **264330143497**
Status : **Answered**
Chosen Option : **3**

Q.17 **The centroid of an equilateral triangle PQR is L. If PQ = 6 cm, the length of PL is:**

Ans
✔ 1. $2\sqrt{3}$ cm
✘ 2. $4\sqrt{3}$ cm
✘ 3. $5\sqrt{3}$ cm
✘ 4. $3\sqrt{3}$ cm

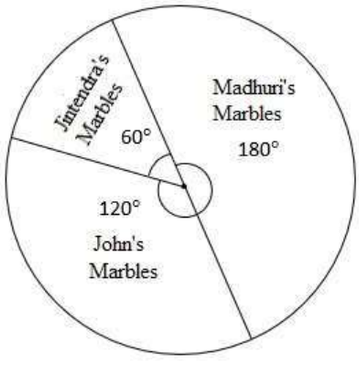
Question ID : **264330143599**
Status : **Answered**
Chosen Option : **1**

Q.18 **Simplify the given expression.**
15 – (–5) × {4 – (7 – 3)} ÷ [3 × {5 + (–3) × (–6)}]

Ans
✘ 1. 21
✔ 2. 15
✘ 3. 88
✘ 4. 125

Question ID : **26433065255**
Status : **Answered**
Chosen Option : **2**

Q.19 Study the given pie-chart and answer the question that follows.



If the pie-chart shows the distribution of 36 marbles among 3 persons, then the number of marbles Madhuri has is:

Ans
✘ 1. 12
✘ 2. 8
✘ 3. 16
✔ 4. 18

Question ID : **264330145098**
Status : **Answered**
Chosen Option : **4**

Q.20 **A person spends 25% of his income on goods of daily uses. Furthermore, he spends 18% of the rest on house rent and 16% of the rest on travel. After that, only ₹861 is left with him. What is his salary?**

Ans

1. ✗ ₹1852 $\frac{1}{3}$
2. ✓ ₹1666 $\frac{2}{3}$
3. ✗ ₹1563 $\frac{1}{3}$
4. ✗ ₹1426 $\frac{1}{3}$

Question ID : **264330132572**
Status : **Not Answered**
Chosen Option : **--**

Q.21 If $\sin\theta + \text{cosec}\theta = \sqrt{5}$, then the value of $\sin^3\theta + \text{cosec}^3\theta =$ _____.

Ans

1. ✗ 0
2. ✗ $3\sqrt{5}$
3. ✗ $\frac{1}{\sqrt{5}}$
4. ✓ $2\sqrt{5}$

Question ID : **264330143511**
Status : **Answered**
Chosen Option : **4**

Q.22 If $\text{cosec}\,\theta + \cot\theta = \frac{3}{2}$, then what is the value of $\text{cosec}\,\theta$?

Ans

1. ✓ $\frac{13}{12}$
2. ✗ $\frac{3}{2}$
3. ✗ $\frac{11}{12}$
4. ✗ $\frac{9}{13}$

Question ID : **26433061104**
Status : **Answered**
Chosen Option : **1**

Q.23 **A, B and C together can complete a work in 12 days. A as well as B alone can do the same work in 36 days. In how many days can C alone complete the same work?**

Ans
✗ 1. 48
✗ 2. 25
✗ 3. 12
✓ 4. 36

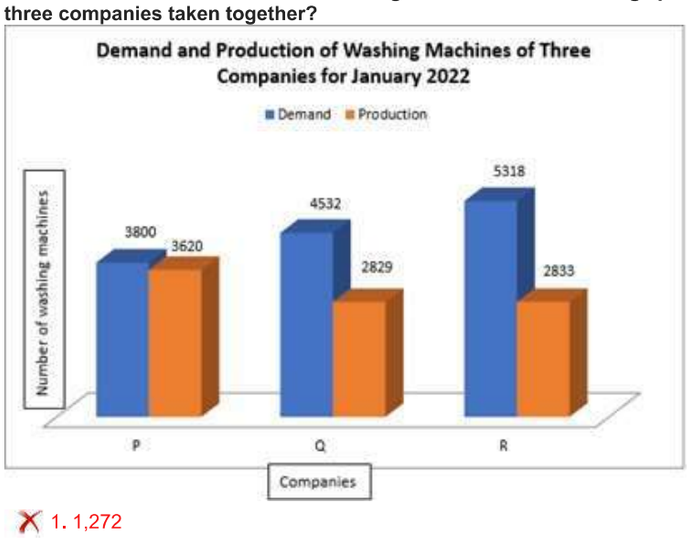
Question ID : **264330119354**
Status : **Answered**
Chosen Option : **4**

Q.24 If the diameter of a sphere is 7 cm, then find the volume of the sphere. (use $\pi = \frac{22}{7}$) (Rounded up to two places of decimal).

Ans
✗ 1. 184 cm^3
✗ 2. 201.34 cm^3
✗ 3. 128.87 cm^3
✓ 4. 179.67 cm^3

Question ID : **26433082784**
Status : **Marked For Review**
Chosen Option : **4**

Q.25 **Study the given bar graph carefully and answer the following question.**
What is the difference between the average demand and the average production of the three companies taken together?



Ans
✗ 1. 1,272
✗ 2. 1,530
✗ 3. 1,850
✓ 4. 1,456

Question ID : **264330131537**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

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

One group of the club has raised an undigestible criticism against the manager.

Ans

✗ 1. An undigestible criticism would have been raised by one group of the club against the manager.

✗ 2. An undigestible criticism was being raised by one group of the club against the manager.

✗ 3. An undigestible criticism had been raised by one group of the club against the manager.

✓ 4. An undigestible criticism has been raised by one group of the club against the manager.

Question ID : **264330136440**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the most appropriate idiom that can substitute the underlined segment in the given sentence.**

Vinay missed his flight but <u>good luck came to him from bad circumstances</u> as the flight crashed in the sea.

Ans

✗ 1. it was a tinker's curse

✗ 2. it was counting his blessings

✗ 3. it was a blessing and a curse

✓ 4. it was a blessing in disguise

Question ID : **26433089040**
Status : **Answered**
Chosen Option : **4**

Q.3 **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.The Olympic Games have come to be regarded as the world's foremost sports competition.
B.Olympic Games is an athletic festival that originated in ancient Greece and was revived in the late 19th century.
C.Before the 1970s, the Games were officially limited to competitors with amateur status, but in the 1980s many events were opened to professional athletes.
D.Currently, the Games are open to all, even the top professional athletes in basketball and football (soccer).

Ans

✗ 1. ABDC

✓ 2. BCDA

✗ 3. CADB

✗ 4. BDCA

Question ID : **26433096949**
Status : **Answered**
Chosen Option : **2**

Q.4 **Identify the INCORRECTLY spelt word from the given options.**

Ans
1. Weave
2. Heave
3. Obssess
4. Sieve

Question ID : **26433088462**
Status : **Answered**
Chosen Option : **3**

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

Earnestly

Ans
1. Wordily
2. Ambiguously
3. Verbosely
4. Sincerely

Question ID : **26433073698**
Status : **Answered**
Chosen Option : **4**

Q.6 **Identify the sentence with correct spellings.**

Ans
1. There was not enouf food in the beggar's house.
2. There was not enough food in the beggar's house.
3. There was not enauf food in the beggar's house.
4. There was not enoufh food in the beggar's house.

Question ID : **26433089043**
Status : **Answered**
Chosen Option : **2**

Q.7 **Select the option that can be used as a one-word substitute for the given group of words.**
A person whose age is between 70 and 79 years old

Ans
1. Septuagenarian
2. Aged
3. Pensioner
4. Oldie

Question ID : **26433086480**
Status : **Answered**
Chosen Option : **1**

Q.8 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
I play / cricket in / my childhood / with my sister.

Ans
1. my childhood
2. with my sister
3. I play
4. cricket in

Question ID : **26433086456**
Status : **Answered**
Chosen Option : **3**

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

Ans
1. Estrange
2. Declared
3. Secret
4. Hid

Question ID : **264330101299**
Status : **Answered**
Chosen Option : **2**

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

Ans
1. Admirable
2. Taken
3. Twisted
4. Toasted

Question ID : **26433097018**
Status : **Answered**
Chosen Option : **3**

Q.11 **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.We recognise some aspects of an SF narrative with the realities of this world and some elements are estranged from the reality so as to take us to an unreal world.
B.Therefore, it is often suggested that 'cognitive estrangement' is a necessary means through which the SF is usually understood.
C.Science Fiction is a genre which manifests in itself the use of scientific premises often in a fantastical manner in a narrative.
D.It is highly seeped into the reality of this world.

Ans
1. CDBA
2. BCAD
3. DACB
4. ADBC

Question ID : **26433097509**
Status : **Marked For Review**
Chosen Option : **1**

Q.12 **Select the most appropriate option to fill in the blank.**
The Princess firmly held the _____ in her hands.

Ans
✗ 1. rain
✗ 2. ran
✗ 3. reign
✓ 4. rein

Question ID : **264330101451**
Status : **Answered**
Chosen Option : **3**

Q.13 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

The historians / are a great / asset to the/ field of academia.

Ans
✗ 1. field of academia
✗ 2. are a great
✗ 3. asset to the
✓ 4. The historians

Question ID : **26433072099**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the option that can be used as a one-word substitute for the given group of words.**

A formal agreement between two or more nations or peoples

Ans
✓ 1. Pact
✗ 2. Concord
✗ 3. Bond
✗ 4. Charter

Question ID : **26433084596**
Status : **Answered**
Chosen Option : **1**

Q.15 **Select the option that expresses the given sentence in active voice.**
The newspaper was read by me.

Ans
✗ 1. I was reading the newspaper.
✗ 2. I had read the newspaper.
✓ 3. I read the newspaper.
✗ 4. I will read the newspaper.

Question ID : **264330133414**
Status : **Answered**
Chosen Option : **3**

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

In order to support countries with a concerted approach for an inclusive, and government-led assessment of post-disaster damages, losses, and recovery needs, as well as the development of a comprehensive recovery plan, the European Commission, the World Bank, and the United Nations adopted the Post Disaster Needs Assessment (PDNA) process in 2008.

Ans
✗ 1. sustainable
✗ 2. clear
✓ 3. complete
✗ 4. restricted

Question ID : **26433090775**
Status : **Answered**
Chosen Option : **3**

Q.17 **Select the most appropriate option to fill in the blank.**

Mosquitoes _____ if there is no water logging.

Ans
✗ 1. breed
✗ 2. will breed
✓ 3. will not breed
✗ 4. will have been breeding

Question ID : **26433072721**
Status : **Answered**
Chosen Option : **3**

Q.18 **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'.**

Delegates of the conflicting countries formally meet at a conference to ironing out their differences.

Ans
✗ 1. No substitution
✗ 2. to ironed
✗ 3. for iron in
✓ 4. to iron out

Question ID : **26433073171**
Status : **Answered**
Chosen Option : **4**

Q.19 **Select the most appropriate synonym of the given word from the sentence.**
Dangerous
The traffic police have released a safe advisory that driving without seat belts is risky, beneficial, and fearful for human life.

Ans
✓ 1. Risky
✗ 2. Beneficial
✗ 3. Safe
✗ 4. Released

Question ID : **264330137243**
Status : **Answered**
Chosen Option : **1**

Q.20 **Choose the most appropriate meaning of the underlined phrase.**
Many analysts are tipping stable, blue-chip companies to weather the storm.

Ans
✗ 1. to deal with a simple situation without being harmed
✗ 2. to deal with a situation without thinking
✓ 3. to deal with a difficult situation without being harmed
✗ 4. to deal with a simple situation without harming anyone else

Question ID : **264330137454**
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.
Any (1) _____that revolves around a planet is a satellite. Mother Earth has a natural satellite in the moon. The earth is circled by a lot of man-made or artificial satellites. In 1957, the Soviet Sputnik was the first to be (2) _____into space. There are currently a number of artificial satellites launched into space by various nations.
These satellites make it possible for us to talk on the phone, watch television, predict the weather, map the various surfaces of the earth and learn more about the world in which we live.
How does a satellite get started? It is typically launched into space by means of a rocket. After ascending into the thinner air layers above the earth, the satellite is released from the rocket. For a successful satellite launch, a rocket's speed is carefully calculated and controlled. Every object in space is pushed toward the earth's centre by gravity. The inertia of motion will propel the object into space if it has its own velocity of motion. When the orbital velocity is exactly right, these two opposing forces are balanced, causing the satellite to (3) _____ toward the earth while still hovering over its surface.
A satellite is said to be in geo-stationary orbit when it completes one revolution around the earth in a 24-hour period; It doesn't change when compared to a point on the surface of the earth. These orbits are typically used by satellites for communication and weather. The camera on the weather satellites takes pictures and sends them back to Earth. These are helping aid in weather forecasting. Radio receivers and amplifiers on communication satellites can (4) _____ waves back at a frequency that is different from the one the satellite received. The beaming frequencies of satellites that are 'parked' too close to one another must not interfere with one another. Television signals can be transmitted from one location to other using broadcast satellites, and scientists can (5)_____ scientific data from numerous satellites.

SubQuestion No : 21

Q.21 **Select the most appropriate option to fill in blank no. 1.**

Ans
✗ 1. piece
✗ 2. being
✗ 3. body
✓ 4. object

Question ID : **264330139337**
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.
Any (1) _____that revolves around a planet is a satellite. Mother Earth has a natural satellite in the moon. The earth is circled by a lot of man-made or artificial satellites. In 1957, the Soviet Sputnik was the first to be (2) _____into space. There are currently a number of artificial satellites launched into space by various nations.
These satellites make it possible for us to talk on the phone, watch television, predict the weather, map the various surfaces of the earth and learn more about the world in which we live.
How does a satellite get started? It is typically launched into space by means of a rocket. After ascending into the thinner air layers above the earth, the satellite is released from the rocket. For a successful satellite launch, a rocket's speed is carefully calculated and controlled. Every object in space is pushed toward the earth's centre by gravity. The inertia of motion will propel the object into space if it has its own velocity of motion. When the orbital velocity is exactly right, these two opposing forces are balanced, causing the satellite to (3) _____ toward the earth while still hovering over its surface.
A satellite is said to be in geo-stationary orbit when it completes one revolution around the earth in a 24-hour period; It doesn't change when compared to a point on the surface of the earth. These orbits are typically used by satellites for communication and weather. The camera on the weather satellites takes pictures and sends them back to Earth. These are helping aid in weather forecasting. Radio receivers and amplifiers on communication satellites can (4) _____ waves back at a frequency that is different from the one the satellite received. The beaming frequencies of satellites that are 'parked' too close to one another must not interfere with one another. Television signals can be transmitted from one location to other using broadcast satellites, and scientists can (5)_____ scientific data from numerous satellites.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank no. 2.

Ans

✗ 1. lobbed

✓ 2. launched

✗ 3. floated

✗ 4. tossed

Question ID : **264330139338**
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.
Any (1) _____that revolves around a planet is a satellite. Mother Earth has a natural satellite in the moon. The earth is circled by a lot of man-made or artificial satellites. In 1957, the Soviet Sputnik was the first to be (2) _____into space. There are currently a number of artificial satellites launched into space by various nations.
These satellites make it possible for us to talk on the phone, watch television, predict the weather, map the various surfaces of the earth and learn more about the world in which we live.
How does a satellite get started? It is typically launched into space by means of a rocket. After ascending into the thinner air layers above the earth, the satellite is released from the rocket. For a successful satellite launch, a rocket's speed is carefully calculated and controlled. Every object in space is pushed toward the earth's centre by gravity. The inertia of motion will propel the object into space if it has its own velocity of motion. When the orbital velocity is exactly right, these two opposing forces are balanced, causing the satellite to (3) _____ toward the earth while still hovering over its surface.
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SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank no. 3.

Ans

✗ 1. migrate

✓ 2. move

✗ 3. stir

✗ 4. jump

Question ID : **264330139339**
Status : **Marked For Review**
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.
Any (1) _____that revolves around a planet is a satellite. Mother Earth has a natural satellite in the moon. The earth is circled by a lot of man-made or artificial satellites. In 1957, the Soviet Sputnik was the first to be (2) _____into space. There are currently a number of artificial satellites launched into space by various nations.
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SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank no. 4.

Ans

✗ 1. locate

✓ 2. send

✗ 3. deliver

✗ 4. discharge

Question ID : **264330139340**
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.
Any (1) _____that revolves around a planet is a satellite. Mother Earth has a natural satellite in the moon. The earth is circled by a lot of man-made or artificial satellites. In 1957, the Soviet Sputnik was the first to be (2) _____into space. There are currently a number of artificial satellites launched into space by various nations.
These satellites make it possible for us to talk on the phone, watch television, predict the weather, map the various surfaces of the earth and learn more about the world in which we live.
How does a satellite get started? It is typically launched into space by means of a rocket. After ascending into the thinner air layers above the earth, the satellite is released from the rocket. For a successful satellite launch, a rocket's speed is carefully calculated and controlled. Every object in space is pushed toward the earth's centre by gravity. The inertia of motion will propel the object into space if it has its own velocity of motion. When the orbital velocity is exactly right, these two opposing forces are balanced, causing the satellite to (3) _____ toward the earth while still hovering over its surface.
A satellite is said to be in geo-stationary orbit when it completes one revolution around the earth in a 24-hour period; It doesn't change when compared to a point on the surface of the earth. These orbits are typically used by satellites for communication and weather. The camera on the weather satellites takes pictures and sends them back to Earth. These are helping aid in weather forecasting. Radio receivers and amplifiers on communication satellites can (4) _____ waves back at a frequency that is different from the one the satellite received. The beaming frequencies of satellites that are 'parked' too close to one another must not interfere with one another. Television signals can be transmitted from one location to other using broadcast satellites, and scientists can (5)_____ scientific data from numerous satellites.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank no. 5.

Ans

✔ 1. access

✘ 2. entry

✘ 3. approach

✘ 4. ingress

Question ID : **264330139341**
Status : **Answered**
Chosen Option : **1**