

Combined Graduate level Examination 2023 Tier I

Roll Number	2201216105
Candidate Name	SUDI KSHA
Venue Name	Pawan Ganga Educational Centre 1
Exam Date	24/07/2023
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2023 VH

Section : General Intelligence and Reasoning

Q.1 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Breakdown
2. Brevity
3. Breathe
4. Breeding
5. Breeze
6. Breakfast

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

Question ID : 264330132162

Status : Answered

Chosen Option : 4

Q.2 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. Only conclusions I and II follow
 - 4. All conclusions follow

Question ID : 264330145433

Status : Answered

Chosen Option : 4

Q.3 Which of the following terms will replace the question mark (?) in the given series?
ZBQ, BFL, ?, FNB, HRW, JVR

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

Question ID : 26433069458
Status : Answered
Chosen Option : 4

Q.4 Pointing to a man, Deepu (a woman) said, "He is the father of the daughter of my mother-in-law." How is Deepu related to that man?

- Ans
- 1. Daughter-in-law
 - 2. Daughter
 - 3. Mother
 - 4. Mother-in-law

Question ID : 26433091672
Status : Answered
Chosen Option : 1

Q.5 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. U G H G V H Y
 - 3. T G H G V H Y
 - 4. T F H G V H Y

Question ID : 264330143743
Status : Answered
Chosen Option : 1

Q.6 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. (11, 4, 19)
 - 2. (12, 9, 11)
 - 3. (8, 3, 12)
 - 4. (13, 5, 21)

Question ID : 26433057099
Status : Answered
Chosen Option : 4

Q.7 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, 6)

2. (2, 8, 10)

3. (2, 8, 16)

4. (2, 8, 1)

Question ID : 26433087187

Status : Answered

Chosen Option : 1

Q.8 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. Italy : Rome

4. New Zealand : Canberra

Question ID : 264330103168

Status : Answered

Chosen Option : 4

Q.9 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans 1. JOH

2. HSF

3. FUD

4. BYZ

Question ID : 26433092556

Status : Answered

Chosen Option : 1

Q.10 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. Monday

2. Tuesday

3. Friday

4. Wednesday

Question ID : 26433067252

Status : Answered

Chosen Option : 4

Q.11 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.

HOUSE : GWWSJ :: CREAM : OEGVE :: TOKEN : ?

- Ans
- 1. PMISV
 - 2. VMISP
 - 3. PIMSV
 - 4. VSMIP

Question ID : 26433090887

Status : Answered

Chosen Option : 3

Q.12 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. 7 : 15 : 49
 - 2. 9 : 17 : 81
 - 3. 2 : 3 : 4
 - 4. 11 : 21 : 121

Question ID : 264330143700

Status : Answered

Chosen Option : 1

Q.13 Select the correct combination of mathematical signs to sequentially replace the @ signs and to balance the given equation.

$72 @ 9 @ 3 @ 6 @ 6 @ 6 @ 6$

- Ans
- 1. $\times, +, =, -, +, \times$
 - 2. $+, \times, =, -, +, +$
 - 3. $\div, \times, +, =, \times, -$
 - 4. $+, \times, +, =, -, +$

Question ID : 264330122235

Status : Answered

Chosen Option : 3

Q.14 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. 3,5,1,4,2
 - 2. 3,4,1,5,2
 - 3. 3,5,2,4,1
 - 4. 4,3,5,1,2

Question ID : 26433097252

Status : Answered

Chosen Option : 2

Q.15 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. 18
 2. 19
 3. 24
 4. 15

Question ID : 26433082450

Status : Answered

Chosen Option : 1

Q.16 Select the set in which the numbers are related in the same way as are the numbers of the following 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. (5, 10, 980)
 3. (2, 50, 500)
 4. (4, 32, 98)

Question ID : 26433089581

Status : Not Answered

Chosen Option : --

Q.17 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. FUOJVUFS
 2. FUOKUTGS
 3. FUOJUTFS
 4. ETNITSER

Question ID : 26433069567

Status : Answered

Chosen Option : 3

Q.18 A * B means 'A is the sister of B'

A % B means 'A is the daughter of B'

A \$ B means 'A is the son of B'

If E \$ F % G * H \$ I, then how is G related to E?

- Ans 1. Mother's mother
 2. Son
 3. Father
 4. Mother's father

Question ID : 264330120835

Status : Answered

Chosen Option : 1

Q.19 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 II follows.
 2. None of the conclusions follows.
 3. Only conclusion I follows.
 4. Only conclusion III follows.

Question ID : 264330114234

Status : Answered

Chosen Option : 1

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

- Ans** 1. 42
 2. 45
 3. 46
 4. 47

Question ID : 26433087028

Status : Answered

Chosen Option : 3

Q.21 In a certain code language, 'DRAG' is coded as '1278' and 'HARD' is coded as '7312'.
What is the code for 'G' in the given code language?

- Ans** 1. 8
 2. 7
 3. 2
 4. 1

Question ID : 264330126007

Status : Answered

Chosen Option : 1

Q.22 Select the number from among the given options that can replace the question mark (?) in the following series.
186, 189, 195, 204, 216, ?

- Ans** 1. 207
 2. 231
 3. 219
 4. 243

Question ID : 264330106290

Status : Answered

Chosen Option : 2

Q.23 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
 $57 * 3 * 27 * 9 * 12 * 10$

- Ans
- 1. $\times, +, +, -, =$
 - 2. $\div, +, \times, -, =$
 - 3. $-, +, +, -, =$
 - 4. $\div, +, \div, -, =$

Question ID : 26433068684

Status : Answered

Chosen Option : 4

Q.24 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. LFT
 - 2. SFK
 - 3. TGL
 - 4. TFL

Question ID : 264330102979

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

Question ID : 26433089594

Status : Answered

Chosen Option : 2

Section : General Awareness

Q.1 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. Platyhelminthes
 - 2. Cnidaria
 - 3. Porifera
 - 4. Ctenophora

Question ID : 264330133270

Status : Not Answered

Chosen Option : --

Q.2 Rovers Cup is associated with which game?

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

Question ID : 264330110321
Status : Answered
Chosen Option : 1

Q.3 The ten-day festival of Bastar Dussehra is associated with which Indian state?

- Ans 1. Chhattisgarh
 2. Bihar
 3. Odisha
 4. Jharkhand

Question ID : 264330109626
Status : Answered
Chosen Option : 4

Q.4 कोशिका झिल्ली के संबंध में निम्नलिखित में से कौन सा कथन सही है?

- I. झिल्ली इसके दोनों ओर मौजूद कुछ अणुओं के लिए चुनिंदा रूप से पारगम्य होती है।
II. पानी भी इस झिल्ली से होकर निम्न से उच्च सांद्रता में जा सकता है।

- Ans 1. I और II दोनों
 2. न तो I और न ही II
 3. केवल II
 4. केवल I

Question ID : 26433055117
Status : Answered
Chosen Option : 4

Q.5 Ramkrishna Talukdar received the Sangeet Natak Akademi Award in 2018 for his contribution to the Satriya dance form. To which state does this dance form belong?

- Ans 1. Assam
 2. Jharkhand
 3. West Bengal
 4. Meghalaya

Question ID : 26433064794
Status : Answered
Chosen Option : 1

Q.6 Lanthanides are often called:

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

Question ID : 264330109903
Status : Answered
Chosen Option : 1

Q.7 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. Atal Tunnel
 - 3. Bhatan Tunnel
 - 4. Syama Prasad Mookerjee Tunnel

Question ID : 264330111319
Status : Answered
Chosen Option : 2

Q.8 निम्नलिखित में से उस भारतीय संगीतकार का चयन करें, जो ताल वाद्ययंत्रों (प्रहार द्वारा बजाया जाने वाला) से जुड़ा है।

- Ans
- 1. बिस्मिल्लाह खान
 - 2. पंडित रविशंकर
 - 3. पंडित अयोध्या प्रसाद
 - 4. विश्व मोहन भट

Question ID : 264330130504
Status : Answered
Chosen Option : 4

Q.9 'पत्तनलकर' गुजरात क्षेत्र से विजयनगर राज्य में चले गए। वे कौन थे?

- Ans
- 1. हीरा निर्माता
 - 2. रेशम बुनकर
 - 3. कपास व्यापारी
 - 4. सुनार

Question ID : 264330114838
Status : Answered
Chosen Option : 3

Q.10 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. Deepika Kumari
 - 3. Manpreet Singh
 - 4. Sharath Kamal

Question ID : 264330133019
Status : Answered
Chosen Option : 2

Q.11 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, 1923
 - 2. Government of India Act, 1935
 - 3. Government of India Act, 1945
 - 4. Government of India Act, 1919

Question ID : 264330110209
Status : Answered
Chosen Option : 4

Q.12 Who among the following was the first non-European to win a Noble prize in 1913 in literature for his work 'Gitanjali'?

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

Question ID : 264330141523
Status : Answered
Chosen Option : 2

Q.13 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. 72°C
 - 2. 58°C
 - 3. 68°C
 - 4. 50°C

Question ID : 264330110102
Status : Not Answered
Chosen Option : --

Q.14 From which country were the Directive Principles of State Policy of the Indian Constitution borrowed?

- Ans
- 1. The US
 - 2. The USSR
 - 3. China
 - 4. Ireland

Question ID : 264330113396
Status : Answered
Chosen Option : 4

Q.15 The national poverty line for 2011-12 was estimated at _____ per capita per month for rural areas of India.

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

Question ID : 264330138116
Status : Answered
Chosen Option : 4

Q.16 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. 2024
 - 2. 2025
 - 3. 2023
 - 4. 2026

Question ID : 26433082827
Status : Answered
Chosen Option : 4

Q.17 Identify the element that does NOT belong to Period 6 of Modern Periodic Table.

- Ans 1. Rhenium
 2. Silicon
 3. Platinum
 4. Tungsten

Question ID : 26433097105
Status : Answered
Chosen Option : 1

Q.18 Article 323 of the Indian Constitution deals with _____.

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

Question ID : 264330113412
Status : Answered
Chosen Option : 2

Q.19 बीच वालीबॉल टीम में कितने स्थानापन्न (substitute) खिलाड़ी होते हैं?

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

Question ID : 26433059436
Status : Not Answered
Chosen Option : --

Q.20 Theoretical foundations of Bharatanatyam have been found in which of these Shastras?

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

Question ID : 264330109265
Status : Answered
Chosen Option : 1

Q.21 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 December 2022
 3. 1 July 2023
 4. 1 January 2023

Question ID : 264330137276
Status : Not Answered
Chosen Option : --

Q.22 In which Five-Year Plan was the Jawahar Rozgar Yojana started?

- Ans
- 1. Sixth
 - 2. Fifth
 - 3. Fourth
 - 4. Seventh

Question ID : 26433054605
Status : Not Answered
Chosen Option : --

Q.23 Identify the INCORRECT statement in the context of Microfinance Institutions in India.

- Ans
- 1. A microfinance loan is a collateral-free loan.
 - 2. A microfinance loan should be linked with a lien on the deposit account of the borrower.
 - 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 is given to a household having annual household income up to ₹3,00,000.

Question ID : 264330109082
Status : Not Answered
Chosen Option : --

Q.24 Which of the following hills is a part of the Western Ghats?

- Ans
- 1. Jaintia Hills
 - 2. Anaimalai Hills
 - 3. Garo Hills
 - 4. Khasi Hills

Question ID : 264330116467
Status : Answered
Chosen Option : 2

Q.25 How many classes of Indian society are mentioned in Megasthene's book Indica?

- Ans
- 1. 10
 - 2. 7
 - 3. 12
 - 4. 5

Question ID : 264330114023
Status : Not Answered
Chosen Option : --

Section : Quantitative Aptitude

Q.1 The centroid of an equilateral triangle PQR is L. If PQ = 6 cm, the length of PL is:

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

Question ID : 264330143599
Status : Answered
Chosen Option : 2

Q.2 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. (2)
 - 2. (4)
 - 3. (1)
 - 4. (3)

Question ID : 264330103965

Status : Answered

Chosen Option : 2

Q.3 The base and altitude of a right-angled triangle are 10 cm and 5 cm, respectively. Find the perpendicular distance of the hypotenuse from the opposite vertex.

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

Question ID : 26433061093

Status : Answered

Chosen Option : 3

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

Question ID : 264330130962

Status : Answered

Chosen Option : 3

Q.5 If $\triangle ABC$ and $\triangle DEF$ are congruent triangles, then which of the following is FALSE?

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

Question ID : 264330130042

Status : Answered

Chosen Option : 2

Q.6 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. 42510
 - 2. 42640
 - 3. 42900
 - 4. 42770

Question ID : 264330114517

Status : Answered

Chosen Option : 2

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. 200
 - 2. 320
 - 3. 240
 - 4. 160

Question ID : 264330101349

Status : Answered

Chosen Option : 3

Q.8 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. 6%
 - 2. 7%
 - 3. 5%
 - 4. 4%

Question ID : 26433082968

Status : Answered

Chosen Option : 3

Q.9 एक व्यक्ति अपनी आय का 25% दैनिक उपयोग की वस्तुओं पर खर्च करता है। इसके अतिरिक्त, वह शेष आय का 18% घर के किराए पर और फिर शेष आय का 16% यात्रा पर खर्च करता है। उसके बाद उसके पास केवल ₹861 बचते हैं। उसका वेतन कितना है?

- Ans
- 1. ₹1666 $\frac{2}{3}$
 - 2. ₹1852 $\frac{1}{3}$
 - 3. ₹1426 $\frac{1}{3}$
 - 4. ₹1563 $\frac{1}{3}$

Question ID : 264330132572

Status : Answered

Chosen Option : 2

Q.10 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. 1.72
 - 2. 82
 - 3. 80
 - 4. 85

Question ID : 264330103305
Status : Answered
Chosen Option : 3

Q.11 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. $\frac{13}{15} \times 10^3$
 - 2. $\frac{13}{25} \times 10^3$
 - 3. $\frac{13}{25} \times 10^{-3}$
 - 4. $\frac{13}{15} \times 10^{-3}$

Question ID : 26433080257
Status : Answered
Chosen Option : 2

Q.12 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. $\frac{3}{10}$
 - 3. $\frac{10}{3}$
 - 4. $-\frac{10}{3}$

Question ID : 264330131493
Status : Answered
Chosen Option : 4

Q.13 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. 65.35
 - 2. 18.75
 - 3. 93.75
 - 4. 95.35

Question ID : 264330131467
Status : Answered
Chosen Option : 3

Q.14 A, B और C मिलकर एक कार्य 12 दिन में पूरा कर सकते हैं। A और B अकेले उसी कार्य को 36 दिन में पूरा कर सकते हैं। C अकेले उसी कार्य को कितने दिन में पूरा कर सकता है?

- Ans 1. 36
 2. 25
 3. 12
 4. 48

Question ID : 264330119354

Status : Answered

Chosen Option : 1

Q.15 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. 20 hours
 2. 12 hours
 3. 29 hours
 4. 10 hours

Question ID : 264330131857

Status : Answered

Chosen Option : 4

Q.16 If $\operatorname{cosec} \theta + \cot \theta = \frac{3}{2}$, then what is the value of $\operatorname{cosec} \theta$?

- Ans 1. $\frac{11}{12}$
 2. $\frac{9}{13}$
 3. $\frac{13}{12}$
 4. $\frac{3}{2}$

Question ID : 26433061104

Status : Answered

Chosen Option : 4

Q.17 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. 77.5 seconds
 2. 78 seconds
 3. 77 seconds
 4. 78.5 seconds

Question ID : 264330104205

Status : Answered

Chosen Option : 4

Q.18 Simplify the following expression.

$$2 + (30 - 26)^2 \div 8^{3-2} \times 0.5$$

Ans 1. 3

2. 2

3. 1

4. 0

Question ID : 264330143497

Status : Answered

Chosen Option : 1

Q.19 Two circles with radii 22 cm and 16 cm touch each other externally. The length of the direct common tangent is:

Ans 1. $8\sqrt{22}$ cm

2. $4\sqrt{22}$ cm

3. $4\sqrt{11}$ cm

4. $8\sqrt{11}$ cm

Question ID : 26433083006

Status : Answered

Chosen Option : 2

Q.20 Simplify the given expression.

$$15 - (-5) \times \{4 - (7 - 3)\} \div [3 \times \{5 + (-3) \times (-6)\}]$$

Ans 1. 15

2. 21

3. 88

4. 125

Question ID : 26433065255

Status : Not Answered

Chosen Option : --

Q.21 What is the third proportional of 46 and 69?

Ans 1. 103.5

2. 103

3. 115

4. 105

Question ID : 264330103332

Status : Answered

Chosen Option : 1

Q.22 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. 0.5
 - 3. 1
 - 4. 0.1

Question ID : 26433083077
Status : Answered
Chosen Option : 4

Q.23 If $\sin \theta + \operatorname{cosec} \theta = \sqrt{5}$, then the value of $\sin^3 \theta + \operatorname{cosec}^3 \theta =$ _____.

- Ans
- 1. $3\sqrt{5}$
 - 2. $\frac{1}{\sqrt{5}}$
 - 3. $2\sqrt{5}$
 - 4. 0

Question ID : 264330143511
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. 128.87 cm^3
 - 2. 201.34 cm^3
 - 3. 184 cm^3
 - 4. 179.67 cm^3

Question ID : 26433082784
Status : Answered
Chosen Option : 4

Q.25 एक निश्चित जमा राशि पर 4.5% वार्षिक दर से एक वर्ष में ₹135 ब्याज प्राप्त होता है। उसी जमा राशि पर 5% वार्षिक दर से एक वर्ष में कितना अतिरिक्त ब्याज प्राप्त होगा?

- Ans
- 1. ₹15
 - 2. ₹18
 - 3. ₹14
 - 4. ₹16

Question ID : 264330106488
Status : Answered
Chosen Option : 1

Section : English Comprehension

Q.1 Select the option that expresses the given sentence in active voice.
The newspaper was read by me.

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

Question ID : 264330133414
Status : Answered
Chosen Option : 2

Q.2 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. Safe
2. Released
3. Beneficial
4. Risky

Question ID : 264330137243
Status : Answered
Chosen Option : 4

Q.3 Select the most appropriate synonym of the given word.
Announced

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

Question ID : 264330101299
Status : Answered
Chosen Option : 4

Q.4 Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

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

- Ans 1. it was counting his blessings
2. it was a blessing in disguise
3. it was a blessing and a curse
4. it was a tinker's curse

Question ID : 26433089040
Status : Answered
Chosen Option : 2

Q.5 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. DACB
 2. CDBA
 3. BCAD
 4. ADBC

Question ID : 26433097509
Status : Answered
Chosen Option : 2

Q.6 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.7 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. asset to the
 3. are a great
 4. The historians

Question ID : 26433072099
Status : Answered
Chosen Option : 3

Q.8 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 harming anyone else
 2. to deal with a difficult situation without being harmed
 3. to deal with a situation without thinking
 4. to deal with a simple situation without being harmed

Question ID : 264330137454
Status : Answered
Chosen Option : 2

Q.9 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. BCDA

2. ABDC

3. CADB

4. BDCA

Question ID : 26433096949

Status : Answered

Chosen Option : 1

Q.10 Identify the sentence with correct spellings.

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

Question ID : 26433089043

Status : Answered

Chosen Option : 4

Q.11 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 has 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 would have been raised by one group of the club against the manager.

Question ID : 264330136440

Status : Answered

Chosen Option : 3

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

- Ans 1. ran
 2. rein
 3. rain
 4. reign

Question ID : 264330101451

Status : Answered

Chosen Option : 4

Q.13 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. cricket in
 - 2. with my sister
 - 3. I play
 - 4. my childhood

Question ID : 26433086456
Status : Answered
Chosen Option : 3

Q.14 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. Aged
 - 2. Septuagenarian
 - 3. Pensioner
 - 4. Oldie

Question ID : 26433086480
Status : Answered
Chosen Option : 2

Q.15 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 have been breeding
 - 4. will not breed

Question ID : 26433072721
Status : Answered
Chosen Option : 4

Q.16 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. Bond
 - 2. Concord
 - 3. Charter
 - 4. Pact

Question ID : 26433084596
Status : Answered
Chosen Option : 4

Q.17 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. for iron in
 - 2. to iron out
 - 3. No substitution
 - 4. to ironed

Question ID : 26433073171
Status : Answered
Chosen Option : 2

Q.18 Identify the INCORRECTLY spelt word from the given options.

- Ans
- 1. Obsess
 - 2. Heave
 - 3. Weave
 - 4. Sieve

Question ID : 26433088462
Status : Not Answered
Chosen Option : --

Q.19 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. complete
 - 2. clear
 - 3. restricted
 - 4. sustainable

Question ID : 26433090775
Status : Answered
Chosen Option : 2

Q.20 Select the most appropriate synonym of the given word.

Earnestly

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

Question ID : 26433073698
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. body
 - 2. being
 - 3. object
 - 4. piece

Question ID : **264330139337**

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.

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. launched

2. floated

3. lobbed

4. tossed

Question ID : **264330139338**

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.

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 : 23

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

- Ans 1. move
 2. stir
 3. migrate
 4. jump

Question ID : **264330139339**

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.

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 : 24

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

- Ans
- 1. discharge
 - 2. locate
 - 3. send
 - 4. deliver

Question ID : **264330139340**

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 : 25

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

- Ans
- 1. entry
 - 2. approach
 - 3. ingress
 - 4. access

Question ID : **264330139341**

Status : **Answered**

Chosen Option : **4**