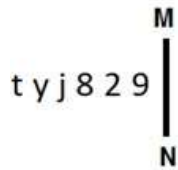


Combined Graduate level Examination 2023 Tier I

Roll Number	4415008525
Candidate Name	SHRISTY TAMANG
Venue Name	iON Digital Zone iDZ Siliguri
Exam Date	19/07/2023
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : General Intelligence and Reasoning

Q.1 Select the correct mirror image of the given combination when the mirror is placed at MN as shown in the figure.



- Ans
- ☒ 1. e 2 8 j \ \ t
 - ☒ 2. e z 8 j y t
 - ☒ 3. e s 8 j y t
 - ☒ 4. 6 s 8 j y t

Question ID : 26433066278

Status : Answered

Chosen Option : 3

Q.2 In a certain code language, 'DEN' is coded as 27 and 'SNAKE' is coded as 125. How will 'CAVE' be coded in the same language?

- Ans
- ☒ 1. 16
 - ☒ 2. 32
 - ☒ 3. 46
 - ☒ 4. 64

Question ID : 264330129762

Status : Not Answered

Chosen Option : --

Q.3 Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series.
R E U _ T R _ _ Q T R E W _ _ R E _ _ T

- Ans ☒ 1. Q F V Q T X R
☒ 2. Q E W Q T Y R
☒ 3. Q E V Q T X Q
☒ 4. Q F W Q T X Q

Question ID : 264330143749

Status : Answered

Chosen Option : 3

Q.4 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

15 : 52 :: 33 : _____ :: 22 : 73

- Ans ☒ 1. 122
☒ 2. 106
☒ 3. 121
☒ 4. 111

Question ID : 26433079014

Status : Answered

Chosen Option : 2

Q.5 Looking at a picture of Suraj, Mr. Gaurav said, "He is the son of my paternal grandfather's only son." How is Gaurav related to Suraj in the picture?

- Ans ☒ 1. Father
☒ 2. Father's brother's son
☒ 3. Son's son
☒ 4. Brother

Question ID : 26433092748

Status : Answered

Chosen Option : 4

Q.6 Three statements are given, followed by four conclusions numbered I, II, III and IV. 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 cooks are poets.

All poets are priests.

Some priests are doctors.

Conclusions:

I. Some cooks are priests.

II. Some priests are cooks.

III. All doctors are priests.

IV. Some doctors are priests.

- Ans** ☒ 1. Only conclusions I, II and IV follow
- ☐ 2. Only conclusions I, II and III follow
- ☐ 3. None of the conclusions follow
- ☐ 4. Only conclusions II, III and IV follow

Question ID : 26433090913

Status : **Answered**

Chosen Option : 1

Q.7 Which two signs should be interchanged to make the given equation correct?
 $2 \times 236 - 2 + 36 \div 72 = 200$

- Ans** ☐ 1. + and $\div$
- ☐ 2. - and +
- ☐ 3. $\times$ and +
- ☒ 4. $\div$ and -

Question ID : 264330133246

Status : **Not Answered**

Chosen Option : --

Q.8 Select the set in which the numbers are related in the same way as are the numbers of the given set.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 25, 6)

(3, 28, 9)

- Ans** ☒ 1. (2, 17, 8)
- ☐ 2. (3, 17, 9)
- ☐ 3. (4, 17, 8)
- ☐ 4. (4, 17, 6)

Question ID : 26433082875

Status : **Answered**

Chosen Option : 1

Q.9 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
Auger : Bore

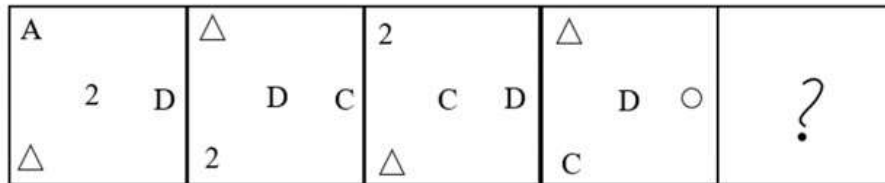
- Ans ☒ 1. Spanner : Dig
☒ 2. Plier : Carve
☒ 3. Axe : Grind
☒ 4. Needle : Sew

Question ID : 264330103171

Status : Answered

Chosen Option : 4

Q.10 Select the figure that will replace the question mark (?) in the following figure series.



Ans

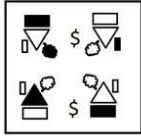
- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 264330143827

Status : Answered

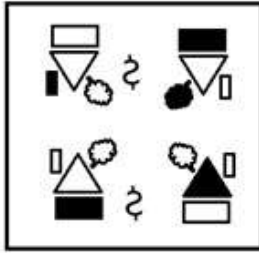
Chosen Option : 2

Q.11 Select the correct mirror image from the following options, when the mirror is placed on the right side of the given figure.

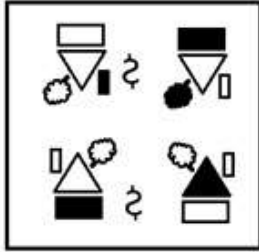


Ans

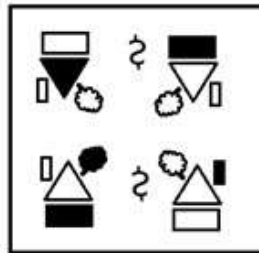
✓ 1.



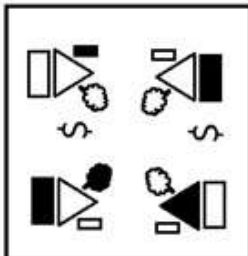
✗ 2.



✗ 3.



✗ 4.



Question ID : 264330103206

Status : Answered

Chosen Option : 1

Q.12 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 : 26433087147

Status : Answered

Chosen Option : 3

Q.13 In a certain code language, 'MARS' is coded as "51" and 'STARS' is coded as "77". How will 'MOON' be coded in that language?

Ans ✓ 1. 57

✗ 2. 55

✗ 3. 54

✗ 4. 56

Question ID : 264330132100

Status : Answered

Chosen Option : 1

Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.
2, 4, 12, 48, 240, ?

Ans ✗ 1. 480

✗ 2. 720

✓ 3. 1440

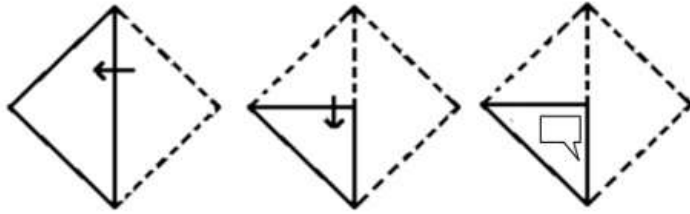
✗ 4. 360

Question ID : 26433067515

Status : Answered

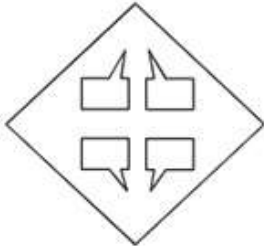
Chosen Option : 3

Q.15 A paper is folded and cut as shown below. How will it appear when unfolded?

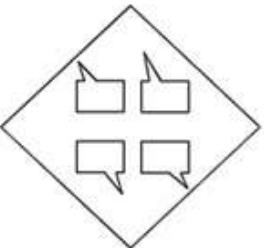


Ans

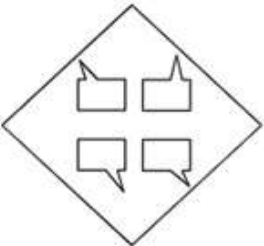
✓ 1.



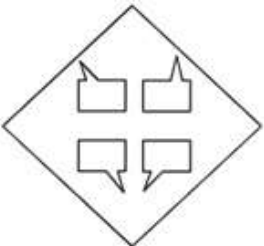
✗ 2.



✗ 3.



✗ 4.

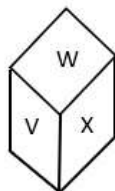


Question ID : 26433080542

Status : Answered

Chosen Option : 1

Q.16 Two different positions of the same dice are shown, the six faces of which are marked with the letters U to Z. Select the letter that will be on the face opposite the face showing 'W'.



- Ans
- ☒ 1. V
 - ☒ 2. Y
 - ☒ 3. Z
 - ☒ 4. X

Question ID : 26433094968

Status : Answered

Chosen Option : 1

Q.17 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.

CROWN : OYRVH :: TABLE : FNEEY :: UNREAL : ?

- Ans
- ☒ 1. MCHVSA
 - ☒ 2. NDHVSA
 - ☒ 3. NCHUSB
 - ☒ 4. LAERNU

Question ID : 26433090021

Status : Answered

Chosen Option : 2

Q.18 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Cheetah
2. Chemical
3. Cheering
4. Cheese
5. Chestnut
6. Cheaper

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

Question ID : 264330132161

Status : Answered

Chosen Option : 2

Q.19 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.

ADOPT : DAOTP :: FINAL : IFNLA :: HUMOR : ?

Ans ☒ 1. UOHMR

☒ 2. UHMRO

☒ 3. UHMOR

☒ 4. UHOMR

Question ID : 26433086973

Status : Answered

Chosen Option : 2

Q.20 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)

(100, 2, 150)

(50, 5, 240)

Ans ☒ 1. (14, 16, 8)

☒ 2. (10, 8, 98)

☒ 3. (16, 8, 126)

☒ 4. (10, 5, 200)

Question ID : 26433089592

Status : Not Answered

Chosen Option : --

Q.21 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.

284 : 142 :: 568 : 284 :: 1136 : ?

Ans ☒ 1. 567

☒ 2. 569

☒ 3. 566

☒ 4. 568

Question ID : 26433081675

Status : Answered

Chosen Option : 4

Q.22 A + B' means 'A is the sister of B'.

'A – B' means 'A is the wife of B'.

'A × B' means 'A is the brother of B'.

'A ÷ B' means 'A is the father of B'.

If $L + M + N - O \div P \times Q$, then which of the following statements is NOT correct?

Ans ☒ 1. L is the daughter of N.

☐ 2. O is the father of Q.

☐ 3. M is the sister of the wife of O.

☐ 4. P is the son of N.

Question ID : 264330122048

Status : Answered

Chosen Option : 1

Q.23 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.

243 : 9 :: 72 : 6 :: 576 : ?

Ans ☐ 1. 14

☐ 2. 24

☒ 3. 12

☐ 4. 18

Question ID : 26433085815

Status : Answered

Chosen Option : 3

Q.24 Which two numbers and two signs should be interchanged in the following equation to make it correct?

$14 + 16 - 14 \times 9 \div 4 = 61$

Ans ☐ 1. 16 and 14, + and ×

☐ 2. 14 and 9, + and ×

☒ 3. 16 and 9, + and –

☐ 4. 14 and 4, – and ÷

Question ID : 26433097219

Status : Not Answered

Chosen Option : --

Q.25 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 sweets are chocolates.
All chocolates are cookies.
Some cookies are healthy.

Conclusions:

I. Some sweets are cookies.
II. Some cookies are chocolates.
III. Some chocolates are sweets .

Ans ☒ 1. Both conclusions II and III follow.
☒ 2. Both conclusions I and III follow.
☒ 3. Both conclusions I and II follow.
☒ 4. All conclusions follow.

Question ID : 264330143723

Status : Answered

Chosen Option : 4

Section : General Awareness

Q.1 Who is known as the father of the green revolution in the world?

Ans ☒ 1. Norman Borlaug
☒ 2. Linus Pauling
☒ 3. Ralph Bunche
☒ 4. MS Swaminathan

Question ID : 264330109998

Status : Not Answered

Chosen Option : --

Q.2 The minimum requirement of microfinance loans for NBFC-MFIs is _____ .

Ans ☒ 1. 80% of the total equity
☒ 2. 90% of the total assets
☒ 3. 75% of the total equity
☒ 4. 75% of the total assets

Question ID : 264330109083

Status : Not Answered

Chosen Option : --

Q.3 When was the Smart Cities Mission launched in India?

Ans ☒ 1. 2017
☒ 2. 2014
☒ 3. 2016
☒ 4. 2015

Question ID : 264330110634

Status : Not Answered

Chosen Option : --

Q.4 Lord Curzon declared the partition of _____ in 1905.

Ans ☒ 1. Bengal

☒ 2. United Provinces

☒ 3. Central Provinces

☒ 4. Punjab

Question ID : 264330111397

Status : Answered

Chosen Option : 1

Q.5 Singhraj Adhana is associated with which of the following sports events?

Ans ☒ 1. Shooting

☒ 2. Badminton

☒ 3. High jump

☒ 4. Discus throw

Question ID : 26433054662

Status : Not Answered

Chosen Option : --

Q.6 Who discovered that diborane reacts with aldehydes and ketones to produce dialkoxyboranes, Which are hydrolysed by water to produce alcohols?

Ans ☒ 1. HC Brown

☒ 2. Arne Tiselius

☒ 3. Arthur Stoll

☒ 4. Hugo Rudolph Kruyt

Question ID : 264330144055

Status : Not Answered

Chosen Option : --

Q.7 Which plant is considered a noxious weed that has a chemical defence mechanism to protect it from predators?

Ans ☒ 1. Field bindweed

☒ 2. Calotropis

☒ 3. Chicory

☒ 4. Black henbane

Question ID : 264330113481

Status : Not Answered

Chosen Option : --

Q.8 Which of the following is NOT a Fundamental Right mentioned in the Indian Constitution?

- Ans ☒ 1. Right to equality
☒ 2. Right to vote
☒ 3. Right to freedom
☒ 4. Right to freedom of religion

Question ID : 264330144218
Status : Not Answered
Chosen Option : --

Q.9 Which of the following dances is NOT predominantly performed in the Indian state of Odisha?

- Ans ☒ 1. Paika
☒ 2. Ghumra
☒ 3. Dhap
☒ 4. Bhavai

Question ID : 26433094870
Status : Not Answered
Chosen Option : --

Q.10 According to the Indian calendar, Vasanta Season falls in which months?

- Ans ☒ 1. Sravana-Bhadra
☒ 2. Margashirsa-Pausa
☒ 3. Chaitra-Vaisakha
☒ 4. Jyaistha-Asadha

Question ID : 264330116463
Status : Answered
Chosen Option : 2

Q.11 Which of the following was one of the first countries to use iron for the manufacture of weapons in as early as 1700 BCE?

- Ans ☒ 1. Morocco
☒ 2. Romania
☒ 3. Bulgaria
☒ 4. India

Question ID : 264330118945
Status : Not Answered
Chosen Option : --

Q.12 In which of the following states is the National Sports University located?

- Ans ☒ 1. Assam
☒ 2. Manipur
☒ 3. Madhya Pradesh
☒ 4. Punjab

Question ID : **264330118436**
Status : **Not Answered**
Chosen Option : --

Q.13 Ramakrishna Gopal Bhandarkar and Mahadev Govind Ranade carried out their work of religious reforms in Maharashtra through which of the following organisations?

- Ans ☒ 1. Prarthana Samaj
☒ 2. Theosophical Society
☒ 3. Atmiya Sabha
☒ 4. Brahmo Samaj

Question ID : **264330141527**
Status : **Not Answered**
Chosen Option : --

Q.14 Guru Shashadhar Acharya was awarded the Padma Shri in 2020 for his contribution to which of the following?

- Ans ☒ 1. Kathak dance and training
☒ 2. Chhau dance
☒ 3. Odissi Chaiti Ghoda dance
☒ 4. Folk and Sufi singing

Question ID : **26433055424**
Status : **Not Answered**
Chosen Option : --

Q.15 1,3-Dimethylbenzene also known as:

- Ans ☒ 1. terelene
☒ 2. BHC
☒ 3. toluene
☒ 4. m-Xylene

Question ID : **264330109898**
Status : **Not Answered**
Chosen Option : --

Q.16 Pandit Jasraj, Bhimsen Joshi and Zakir Hussain are associated with which form of music?

- Ans ☒ 1. Carnatic Music
☒ 2. Hindustani Classical Music
☒ 3. Jazz Music
☒ 4. Pop Music

Question ID : 264330130509
Status : Answered
Chosen Option : 2

Q.17 The Pradhan Mantri Jeevan Jyoti Bima Yojana is for Indian citizens in the age group of _____.

- Ans ☒ 1. 35 to 60 years
☒ 2. 18 to 50 years
☒ 3. 40 to 70 years
☒ 4. 29 to 55 years

Question ID : 26433090647
Status : Not Answered
Chosen Option : --

Q.18 The State of Kerala Vs Leesamma Joseph case deals with _____.

- Ans ☒ 1. education
☒ 2. persons with disabilities
☒ 3. dowry
☒ 4. the economic weaker section

Question ID : 26433061848
Status : Not Answered
Chosen Option : --

Q.19 Shri Omprakash Mitharval was in news for being conferred with Arjuna Award 2022 for his outstanding contribution in which of the following sports?

- Ans ☒ 1. Table Tennis
☒ 2. Shooting
☒ 3. Weightlifting
☒ 4. Wushu

Question ID : 264330130860
Status : Not Answered
Chosen Option : --

Q.20 What is the common term for Ancylostoma?

- Ans ☒ 1. Tape worm
☒ 2. Round worm
☒ 3. Filaria worm
☒ 4. Hookworm

Question ID : 264330134876
Status : Not Answered
Chosen Option : --

Q.21 The origin of 'Carnatic music' is related to which of the following Dynasties?

- Ans ☒ 1. Bahamani
☒ 2. Pandaya
☒ 3. Vijayanagar
☒ 4. Chola

Question ID : 264330113536
Status : Not Answered
Chosen Option : --

Q.22 In which of the following years did India celebrate its 73rd Republic Day?

- Ans ☒ 1. 2021
☒ 2. 2019
☒ 3. 2020
☒ 4. 2022

Question ID : 264330109614
Status : Not Answered
Chosen Option : --

Q.23 Which of the following can be referred to in the estimation of poverty?

- Ans ☒ 1. Maximum Support Value
☒ 2. Monthly Per Capita Expenditure
☒ 3. Average Marginal Utility
☒ 4. Minimum Support Price

Question ID : 264330109876
Status : Not Answered
Chosen Option : --

Q.24 What is the correct sequence of layers of Earth from the outside of the planet to the inside?

- Ans ☒ 1. Crust (outermost) - core - mantle (innermost)
☒ 2. Core (outermost) - mantle - crust (innermost)
☒ 3. Mantle (outermost) - core - crust (innermost)
☒ 4. Crust (outermost) - mantle - core (innermost)

Question ID : 264330109947
Status : Not Answered
Chosen Option : --

Q.25 Which of the following statements are correct regarding removal of the President of India?

- A. The impeachment process can be initiated in the either House of Parliament.
 B. The impeachment charges must be signed by the one-third members of the House in which the process is initiated.
 C. In the impeachment process, a 30 days' notice should be given to the President.
 D. The impeachment resolution is passed by a majority of two-thirds of the total membership of that House.

Ans ☒ 1. A and D only

☐ 2. A, B, C and D

☐ 3. B and C only

☐ 4. A, B and C only

Question ID : 264330114775

Status : Not Answered

Chosen Option : --

Section : Quantitative Aptitude

Q.1 A can do a work in 4 days and B in 12 days. If they work on it together for 2 days, then the fraction of the work that will be left is:

Ans

☐ 1. $\frac{1}{5}$

☐ 2. $\frac{2}{5}$

☐ 3. $\frac{2}{3}$

☒ 4. $\frac{1}{3}$

Question ID : 264330106020

Status : Answered

Chosen Option : 3

Q.2 In a group of 32 students, the average weight was 18.5 kg. When 4 students left the group, the average came down to 15.5 kg. What was the average weight (in kg) of those 4 students?

Ans ☐ 1. 37.5

☒ 2. 39.5

☐ 3. 36.5

☐ 4. 27.5

Question ID : 264330129990

Status : Not Answered

Chosen Option : --

Q.3 A man took a loan of ₹32,400 at a certain rate of simple interest per annum. The rate of interest is one-fourth of the number of years for which the loan is taken. If he paid ₹11,664 as interest at the end of the loan period, the rate of interest was:

- Ans
- ☒ 1. 12%
 - ☒ 2. 8%
 - ☒ 3. 5%
 - ☒ 4. 3%

Question ID : 264330112803

Status : Not Answered

Chosen Option : --

Q.4 Inlet Pipes A and B can together fill an empty tank in 1.5 hours. Outlet Pipe C, when opened alone, can empty the completely filled tank, in 4.5 hours. When only Pipes A and C are opened together, the empty tank is filled in 6 hours. Find the time taken by Pipe B, when opened alone, to fill the empty tank.

- Ans
- ☒ 1. 3 hours 32 minutes
 - ☒ 2. 3 hours 30 minutes
 - ☒ 3. 3 hours 40 minutes
 - ☒ 4. 3 hours 36 minutes

Question ID : 264330114520

Status : Not Answered

Chosen Option : --

Q.5 Two circles touch each other externally at P. AB is a direct common tangent to the two circles. If A and B are points of contact and $\angle PAB = 65^\circ$, then $\angle ABP$ is _____.

- Ans
- ☒ 1. 25°
 - ☒ 2. 15°
 - ☒ 3. 5°
 - ☒ 4. 35°

Question ID : 264330143554

Status : Not Answered

Chosen Option : --

Q.6 A thief committed a crime and escaped from the spot at a speed of 12 m/h. A Security guard started chasing him 20 minutes after the thief started running and caught him in the next 20 minutes. What is the speed (in m/h) of the Security guard?

- Ans
- ☒ 1. 32
 - ☒ 2. 30
 - ☒ 3. 24
 - ☒ 4. 36

Question ID : 264330131354

Status : Not Answered

Chosen Option : --

Q.7 Anil and Bipin together can complete a work in 15 days, while Bipin alone can finish it 20 days. In how many days can Anil alone finish the work?

- Ans ☒ 1. 65
☒ 2. 60
☒ 3. 40
☒ 4. 30

Question ID : 264330118103

Status : Answered

Chosen Option : 2

Q.8 Using $\cot(A - B) = \frac{\cot A \cot B + 1}{\cot B - \cot A}$, find the value of $\cot 15^\circ$.

- Ans ☒ 1. $\sqrt{3} - 1$
☒ 2. $2 + \sqrt{3}$
☒ 3. $\sqrt{3} + 1$
☒ 4. $2 - \sqrt{3}$

Question ID : 264330143530

Status : Not Answered

Chosen Option : --

Q.9 The monthly income of a person was Rs.80,000 and his monthly expenditure was Rs.45,000. Next year, his income increased by 16% and his expenditure increased by 8%. Find the percentage increase in his savings (correct to 2 decimal places).

- Ans ☒ 1. 25.35%
☒ 2. 26.29%
☒ 3. 30.25%
☒ 4. 44.36%

Question ID : 264330145064

Status : Not Answered

Chosen Option : --

Q.10 A woman is 28 years older than her son. In three years, her age will be twice the age of her son. The present age of the son is:

- Ans ☒ 1. 22 years
☒ 2. 20 years
☒ 3. 25 years
☒ 4. 28 years

Question ID : 264330145539

Status : Not Answered

Chosen Option : --

Q.11 A shopkeeper allows a discount of 10% on the printed price of his goods and thus gains 20%. What is the ratio between the cost price and the printed price of the item?

- Ans
- ☒ 1. 4 : 5
 - ☒ 2. 2 : 3
 - ☒ 3. 3 : 4
 - ☒ 4. 1 : 2

Question ID : 26433082372

Status : Not Answered

Chosen Option : --

Q.12 Which number among 34623, 34716, 34782 and 34783 is NOT divisible by 3?

- Ans
- ☒ 1. 34623
 - ☒ 2. 34783
 - ☒ 3. 34782
 - ☒ 4. 34716

Question ID : 264330131433

Status : Answered

Chosen Option : 2

Q.13 In a $\triangle ABC$, the internal bisectors of $\angle B$ and $\angle C$ meet at O. if $\angle BAC = 72^\circ$, then the value of $\angle BOC$ is:

- Ans
- ☒ 1. 136°
 - ☒ 2. 110°
 - ☒ 3. 126°
 - ☒ 4. 146°

Question ID : 264330130414

Status : Not Answered

Chosen Option : --

Q.14 A saree bought for ₹500 is marked at 16% profit and later on sold at a sales discount of x% on the marked price. If the selling price of the saree is ₹493, find the value of x.

- Ans
- ☒ 1. 18
 - ☒ 2. 17
 - ☒ 3. 15
 - ☒ 4. 16

Question ID : 264330103957

Status : Not Answered

Chosen Option : --

Q.15 The lateral area of a cylinder is 3168 cm^2 and its height is 48 cm. Find the volume.

Ans ☒ 1. 16632 cm^3

☒ 2. 5544 cm^3

☒ 3. 5644 cm^3

☒ 4. 5244 cm^3

Question ID : 26433082847

Status : Not Answered

Chosen Option : --

Q.16 The following pie chart shows the different coloured dresses worn by 60 students in a college party. Study the pie chart and answer the question that follows.



The degrees (central angle) for the blue coloured dress (sector which represents 40%) is:

Ans ☒ 1. 180°

☒ 2. 120°

☒ 3. 60°

☒ 4. 144°

Question ID : 264330145022

Status : Not Answered

Chosen Option : --

Q.17 The wheel of a lorry has radius 182 cm. The number of revolutions (approximately) per minute the lorry wheel will make is _____ (if the speed of the lorry is 66 km/h).

Ans ☒ 1. 1144

☒ 2. 66

☒ 3. 96

☒ 4. 100

Question ID : 26433061621

Status : Not Answered

Chosen Option : --

Q.18

If $\sec\theta = \frac{4}{3}$, what is the value of $\tan^2\theta + \tan^4\theta$?

Ans

✓ 1. $\frac{112}{81}$

✗ 2. $\frac{16}{81}$

✗ 3. $\frac{64}{27}$

✗ 4. $\frac{256}{81}$

Question ID : 26433061329

Status : Not Answered

Chosen Option : --

Q.19 Two persons started running on a circular track simultaneously with speeds of 20 m/s and 30 m/s in opposite directions. If the circumference of the circular track is 100 m, then find at how many distinct points they will cross each other?

Ans ✗ 1. 10

✗ 2. 2

✓ 3. 5

✗ 4. 3

Question ID : 26433082105

Status : Not Answered

Chosen Option : --

Q.20 The seats for Mathematics, English and Chemistry in a school are in the ratio of 6 : 4 : 7. If these seats are increased by 20%, 40% and 60%, respectively, the ratio of the increased seats is:

Ans ✗ 1. 9 : 7 : 8

✗ 2. 1 : 2 : 3

✓ 3. 9 : 7 : 14

✗ 4. 7 : 9 : 14

Question ID : 264330103545

Status : Not Answered

Chosen Option : --

Q.21

Ans

☒ 1. $\frac{47}{9}$

☒ 2. $\frac{43}{9}$

☒ 3. $\frac{41}{9}$

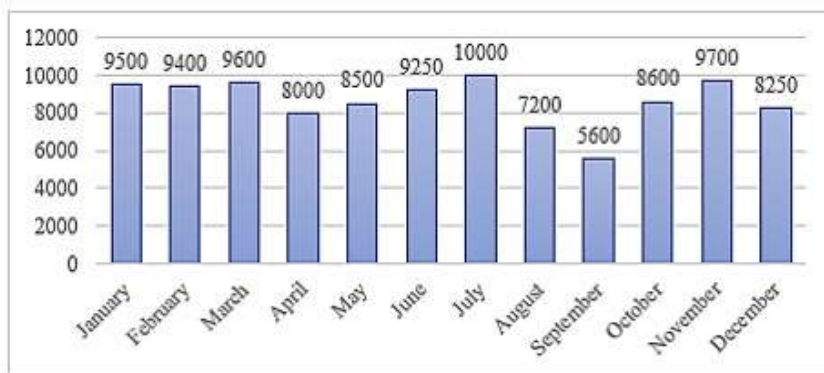
☒ 4. $\frac{49}{9}$

Question ID : 264330114537

Status : Not Answered

Chosen Option : --

Q.22 The wages (in ₹) earned by a labourer in twelve months of a year are shown in the following bar graph.



What is the average wage (in ₹) received by the labourer in the first five months of the year?

Ans

☒ 1. 9,100

☒ 2. 9,300

☒ 3. 9,200

☒ 4. 9,000

Question ID : 264330131481

Status : Answered

Chosen Option : 4

Q.23 If $P \cos \alpha = 3$ and $4 \tan \alpha = Q$, then what is the relation between P and Q, which is independent of α ?

- Ans
- ☒ 1. $\frac{9}{P^2} + \frac{16}{Q^2} = 1$
- ☒ 2. $\frac{9}{P^2} - \frac{16}{Q^2} = 1$
- ☒ 3. $\frac{P^2}{9} - \frac{Q^2}{16} = 1$
- ☒ 4. $\frac{P^2}{9} + \frac{Q^2}{16} = 1$

Question ID : 26433075372

Status : Not Answered

Chosen Option : --

Q.24 Simplify the following expression:

$$\frac{(12+5-\frac{48}{16}+71)+\left(\frac{72+6\times 7}{\frac{36}{11}}\right)\times[(51+4-13)+(13-12\times 7)]}{232}$$

- Ans
- ☒ 1. $\frac{-31}{232}$
- ☒ 2. $\frac{41}{232}$
- ☒ 3. $\frac{-31}{233}$
- ☒ 4. $\frac{31}{232}$

Question ID : 26433066243

Status : Not Answered

Chosen Option : --

Q.25 If $(a + b + c) = 12$, and $(a^2 + b^2 + c^2) = 50$, find the value of $(a^3 + b^3 + c^3 - 3abc)$.

- Ans
- ☒ 1. 48
- ☒ 2. 24
- ☒ 3. 36
- ☒ 4. 42

Question ID : 264330101361

Status : Not Answered

Chosen Option : --

Section : English Comprehension

Q.1 Select the most appropriate **ANTONYM** of the given word.

Innate

- Ans
- ☒ 1. Aquatic
 - ☒ 2. Natural
 - ☒ 3. Replete
 - ☒ 4. Learned

Question ID : 264330132807

Status : Answered

Chosen Option : 4

Q.2 Describe how you will tell your teacher that the windmill is being built by Master Yadav in active voice.

- Ans
- ☒ 1. Master Yadav been building the windmill.
 - ☒ 2. Master Yadav is building the windmill.
 - ☒ 3. The windmill is be built by Master Yadav.
 - ☒ 4. Master Yadav build the windmill.

Question ID : 264330122778

Status : Answered

Chosen Option : 2

Q.3 Select the correct spelling for the **INCORRECTLY** spelt word in the given sentence.

Science has made prrogres in leaps and bounds over the years.

- Ans
- ☒ 1. sceince
 - ☒ 2. leap
 - ☒ 3. progress
 - ☒ 4. bound

Question ID : 26433090498

Status : Answered

Chosen Option : 3

Q.4 Select the most appropriate option to substitute the underlined segment in the given sentence.

They are the people which are looking to expand their horizons in the fast growing tourism industry.

- Ans
- ☒ 1. who is looking to expand
 - ☒ 2. which looked to expand
 - ☒ 3. that are looked to expand
 - ☒ 4. who are looking to expand

Question ID : 26433093023

Status : Answered

Chosen Option : 4

Q.5 Select the option that expresses the given sentence in passive voice.
Is he not driving a car?

- Ans ☒ 1. Is a car not being driven by him?
☐ 2. Is a car not been driven by him?
☐ 3. Was he not driving a car?
☐ 4. Does he not drive a car?

Question ID : 264330141130

Status : Answered

Chosen Option : 3

Q.6 Select the most appropriate ANTONYM of the underlined word.
Managers who delegate reduce their work load.

- Ans ☐ 1. Appoint
☐ 2. Nominate
☐ 3. Depute
☒ 4. Retain

Question ID : 264330117471

Status : Answered

Chosen Option : 4

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

Radium is a white powder that _____ table salt.

- Ans ☒ 1. looks like
☐ 2. will look like
☐ 3. looking like
☐ 4. look like

Question ID : 26433072722

Status : Answered

Chosen Option : 1

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

The _____ purpose of the coaching was to identify the talented players.

- Ans ☐ 1. mean
☐ 2. mine
☐ 3. mane
☒ 4. main

Question ID : 264330145563

Status : Answered

Chosen Option : 4

Q.9 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Sky appears blue / as it absorbs / all colours and / reflects only blue.

- Ans ☒ 1. as it absorbs
- ☒ 2. Sky appears blue
- ☒ 3. reflects only blue
- ☒ 4. all colours and

Question ID : 26433061023

Status : Answered

Chosen Option : 3

Q.10 Select the most appropriate option that can substitute the underlined word in the given idiom.

She is an awful bore; she is always blowing her own saxophone.

- Ans ☒ 1. flute
- ☒ 2. lyre
- ☒ 3. trumpet
- ☒ 4. violin

Question ID : 264330101281

Status : Answered

Chosen Option : 3

Q.11 Select the most appropriate meaning of the given idiom.

Blow something out of (all) proportion.

- Ans ☒ 1. Make things difficult for someone without reason
- ☒ 2. Control the level of something in order to stop it increasing
- ☒ 3. Behave as if something that has happened is much worse than it really is
- ☒ 4. Leave someone at a time when they need you to stay and help them

Question ID : 26433090800

Status : Answered

Chosen Option : 3

Q.12 Select the option that can be used as a one-word substitute for the given group of words.

Having a consistency that does not easily yield to pressure

- Ans ☒ 1. Close
- ☒ 2. Ramrod
- ☒ 3. Firm
- ☒ 4. Substantial

Question ID : 26433084588

Status : Answered

Chosen Option : 3

Q.13 Select the most appropriate synonym of the given word.
Vendetta

- Ans ☒ 1. Passion
☒ 2. Vacillation
☒ 3. Dilemma
☒ 4. Disagreement

Question ID : 26433099851

Status : Answered

Chosen Option : 1

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

Child bereaved of one or both the parents

- Ans ☒ 1. Destitute
☒ 2. Orphan
☒ 3. Lout
☒ 4. Desolate

Question ID : 26433088120

Status : Answered

Chosen Option : 1

Q.15 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.Graphology tells them about the candidates' temperaments, highlighting both, weaknesses and strengths.
B.Many companies use it for executive recruitment and analysis.
C.Despite public scepticism, graphology plays a covert role in British management.
D.Modern graphology began early in the 19th century when French churchman Jean Hippolyte Michon created the first graphological 'catalogue'.

- Ans ☒ 1. CBDA
☒ 2. ABDC
☒ 3. DCBA
☒ 4. ABCD

Question ID : 26433096953

Status : Answered

Chosen Option : 3

Q.16 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

A celestial body or astronomical object is / a naturally occurring physical thing, association, / or configuration that happens in the visible universe.

- Ans ☒ 1. a naturally occurring physical thing, association
- ☒ 2. No error
- ☒ 3. or configuration that happens in the visible universe
- ☒ 4. A celestial body or astronomical object is

Question ID : 26433073770
Status : Answered
Chosen Option : 4

Q.17 Select the most appropriate synonym of the given word.

Incredible

- Ans ☒ 1. Unachievable
- ☒ 2. Realistic
- ☒ 3. Unbelievable
- ☒ 4. Reasonable

Question ID : 26433073699
Status : Answered
Chosen Option : 3

Q.18 Select the most appropriate ANTONYM of the underlined word.

Most of the things in life are transient.

- Ans ☒ 1. Fleeting
- ☒ 2. Toxic
- ☒ 3. Boring
- ☒ 4. Permanent

Question ID : 26433090865
Status : Answered
Chosen Option : 4

Q.19 Select the word with the correct spelling to fill in the blank.
Have you ever tried to order _____ in a restaurant?

- Ans ☒ 1. Cebbage
- ☒ 2. Cabbage
- ☒ 3. Cabbige
- ☒ 4. Ceabbage

Question ID : 264330100243
Status : Answered
Chosen Option : 2

Q.20 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. Quipu, a type of knotted rope employed by the Incas of South America, served as a memory aid.
 B. Different colours were used to dye the strings.
 C. Yellow represented money while red stood for battle or warriors.
 D. Do you realise that five yellow knots represented five gold coins?

Ans  1. ADBC
 2. BDAC
 3. ABCD
 4. BCAD

Question ID : 26433098144

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.

The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1)_____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles.

There are three things that happen when you look at an object:

1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size.
2. It is necessary to focus the scattered light at the retina's (2) _____.
3. To match the retina's curve, the image must be curved.

The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches.

To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

SubQuestion No : 21

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

Ans  1. reason
 2. justification
 3. foundation
 4. cause

Question ID : 264330139325

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.

The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1)_____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles.

There are three things that happen when you look at an object:

1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size.
2. It is necessary to focus the scattered light at the retina's (2) _____.
3. To match the retina's curve, the image must be curved.

The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches.

To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

SubQuestion No : 22

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

Ans  1. lane

 2. surface

 3. top

 4. side

Question ID : 264330139326

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.

The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1)_____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles.

There are three things that happen when you look at an object:

1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size.

2. It is necessary to focus the scattered light at the retina's (2) _____.

3. To match the retina's curve, the image must be curved.

The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches.

To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

SubQuestion No : 23

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

Ans  1. alone

 2. consciously

 3. separately

 4. together

Question ID : 264330139327

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.

The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1)_____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles.

There are three things that happen when you look at an object:

1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size.
2. It is necessary to focus the scattered light at the retina's (2) _____.
3. To match the retina's curve, the image must be curved.

The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches.

To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

SubQuestion No : 24

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

- Ans  1. eliminating
-  2. demonstrating
-  3. abolishing
-  4. destroying

Question ID : 264330139328

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.

The cornea, a transparent covering, and a spherical lens make up the eye's lens system, just like any other camera. The retina is a kind of 'reusable film'. This is the (1)_____ for images. The size of the opening, the shape of the lens and the movements of the eye are all controlled by various sets of muscles.

There are three things that happen when you look at an object:

1. To fit on the retina, your eye's tiny 'screen', the image must be reduced in size.
2. It is necessary to focus the scattered light at the retina's (2) _____.
3. To match the retina's curve, the image must be curved.

The image is focused on the retina by the lens and cornea working (3) _____. When the eye is unable to focus the image onto the retina, the majority of vision problems occur. The cornea is reshaped during laser eye surgery, which alters the eye's focal point. The primary objective is to precisely focus the image on the retina, just like in an ordinary eye. The corneas of most people are either too long or too short. In the first scenario, corneal flattening is accomplished through laser eye surgery. The cornea is reshaped in the latter scenario by becoming rounder. This corneal tissue is amazing because it heals and rebonds immediately, (4) _____ the need for stitches.

To make precise cuts as (5) _____ as a quarter micron in length, a laser beam is sharply focused. A laser can remove 0.5% of a human hair's width at once, and the typical human hair has a diameter of fifty microns! Although they are able to significantly improve their vision, many laser eye surgery patients never attain normal vision.

SubQuestion No : 25

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

Ans  1. large

 2. high

 3. big

 4. small

Question ID : 264330139329

Status : Answered

Chosen Option : 4