Exam Date	12/12/2022
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.
16 * 3 * 2 * 11 * 9 = 22

Ans
✘ 1. × ÷ + -
✔ 2. × ÷ − +
✘ 3. ÷ × + +
✘ 4. ÷ + × ÷

Question ID : **26433068596**
Status : **Answered**
Chosen Option : **2**

Q.2 By Interchanging the given two numbers which of the following equation will be not correct?
7 and 9

Ans
✘ 1. 8 × 3 ÷ 6 + 9 − 7 = 2
✔ 2. 7 + 6 − 9 × 4 ÷ 2 = 2
✘ 3. 9 + 4 × 3 − 7 ÷ 1 = 10
✘ 4. 9 × 3 + 4 ÷ 2 − 7 = 14

Question ID : **264330105112**
Status : **Answered**
Chosen Option : **2**

Q.3 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans
✘ 1. EUT
✘ 2. RHG
✔ 3. TRQ
✘ 4. TFE

Question ID : **26433069005**
Status : **Marked For Review**
Chosen Option : **3**

Q.4 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
MHDM, MYLC, MPTS, MGBI, ?

Ans
✘ 1. MJXY
✘ 2. MNRS
✔ 3. MXJY
✘ 4. MXYJ
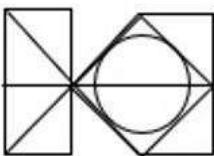
Question ID : **264330104835**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Select the option figure which is embedded in the given figure (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.6 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters / number of consonants / vowels in the word.)
Trembling : Fear :: Sigh : ?

Ans ✗ 1. Pain

✔ 2. Relief

✗ 3. Hope

✗ 4. Anger

Q.7 By Interchanging the given two numbers which of the following equation will be not correct?
4 and 2

Ans ✗ 1. 4 × 3 − 8 ÷ 2 + 7 = 11

✔ 2. 8 ÷ 4 × 2 − 6 + 9 = 18

✗ 3. 4 − 8 × 3 + 2 ÷ 1 = −18

✗ 4. 6 × 4 − 8 ÷ 2 + 7 = 17

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
Some benches are tables.
Some tables are chairs.
Some chairs are pencils.
Conclusions:
I. Some benches are chairs.
II. Some tables are pencils.
III. Some pencils are chairs.
IV. Some pencils are tables.

Ans ✖ 1. Only conclusions II and IV follow

✔ 2. Only conclusion III follows

✖ 3. Only conclusions I and II follows

✖ 4. None of the conclusions follow

Q.9 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '6'.
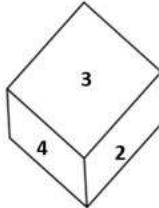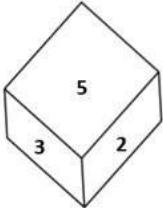
Figure 1   Figure 2   Figure 3
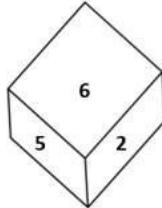
Ans ✖ 1. 5

✔ 2. 3

✖ 3. 2

✖ 4. 1

Q.10 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Telescope : Distant Objects :: Microscope : ?

Ans ✖ 1. Big Objects

✔ 2. Tiny Objects

✖ 3. Very Large Objects
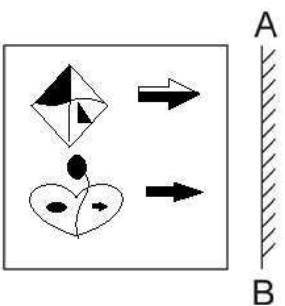
✖ 4. Heavy Objects

**Q.11** Select the correct mirror image of the given figure when the mirror is placed at AB as shown.
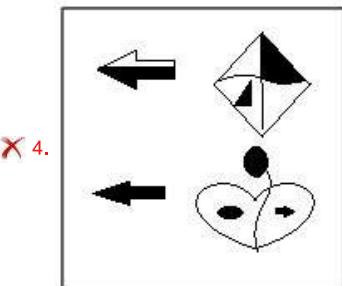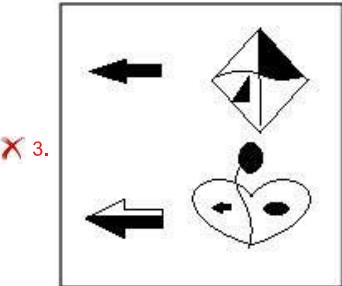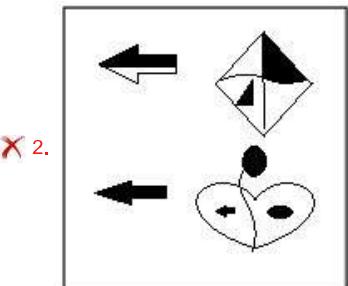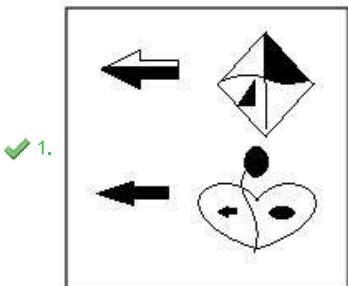
Ans

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Q.12 In a certain code language, 'HAIRCAP' is written as 'IAHRPAC' and 'LEADMAN' is written as 'AELDNAM'. How will 'FACTFUL' be written in that language?

Ans
  ✔ 1. CAFTLUF

  ✘ 2. CAFTLFU

  ✘ 3. CATFLUF

  ✘ 4. CAFTULF

Question ID : **26433059885**
Status : **Answered**
Chosen Option : **1**

Q.13 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Amphibian
2. Ambiguous
3. Ambience
4. Amplify
5. Amorphous
6. Ambivalent
7. Ameliorate

Ans
  ✔ 1. 3, 2, 6, 7, 5, 1, 4

  ✘ 2. 3, 2, 6, 7, 5, 4, 1

  ✘ 3. 3, 2, 4, 6, 7, 5, 1

  ✘ 4. 3, 2, 6, 5, 7, 1, 4

Question ID : **26433094935**
Status : **Answered**
Chosen Option : **1**

Q.14 'A @ B' means 'A is the husband of B'.
'A & B' means 'A is the father of B'.
'A # B' means 'B is the son of A'.
If S @ T # P @ Q # R & V, then how is T related to Q?

Ans
  ✘ 1. Husband

  ✘ 2. Mother

  ✔ 3. Mother-in-law

  ✘ 4. Sister

Question ID : **26433068460**
Status : **Answered**
Chosen Option : **3**

Q.15 Which number will replace the question mark (?) in the following series?
5, 12, 26, ?, 110, 222

Ans
  ✘ 1. 52

  ✘ 2. 56

  ✔ 3. 54

  ✘ 4. 50

Question ID : **26433067597**
Status : **Answered**
Chosen Option : **3**

Q.16 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:
I. No tyre are white.
II. All grey are white.

Conclusions:
I. No white is tyre.
II. No tyre is grey.
III. Some white are not grey.

Ans   ✗ 1. Only conclusion I follows

     ✗ 2. Both conclusions I and III follows

     ✔ 3. Both conclusions I and II follows

     ✗ 4. Neither conclusion follows

Q.17 Which letter cluster will replace the question mark (?) to complete the given series?
ABCD, EBCD, ?, OBCD, UBCD

Ans   ✗ 1. JBCD

     ✗ 2. LBCD

     ✔ 3. IBCD

     ✗ 4. KBCD
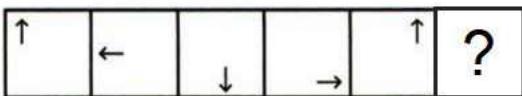
Q.18 Select the figure from among the given options that can replace the question mark (?) in the following series.
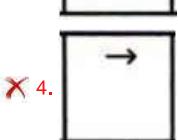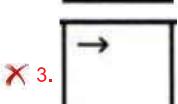
Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Q.19 In a certain code language, 'ICE' is coded as '20' and 'HOT' is coded as '46'. How will 'POT' be coded in that language?

Ans ✔ 1. 54

  ✖ 2. 58

  ✖ 3. 56

  ✖ 4. 55

Question ID : 26433067341
Status : **Answered**
Chosen Option : **1**

Q.20 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
16 : 20 :: 256 : ? :: 49 : 56

Ans ✖ 1. 266

  ✖ 2. 264

  ✖ 3. 278

  ✔ 4. 272

Question ID : 26433067902
Status : **Answered**
Chosen Option : **4**

Q.21 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)
(2, 4, 20)
(4, 5, 41)

Ans ✖ 1. (9, 2, 86)

  ✔ 2. (4, 3, 25)

  ✖ 3. (5, 3, 32)

  ✖ 4. (7, 3, 59)

Question ID : 26433070231
Status : **Answered**
Chosen Option : **2**

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)
(76, 4, 19)
(98, 2, 49)

Ans ✖ 1. (84, 12, 4)

  ✔ 2. (72, 4, 18)

  ✖ 3. (99, 3, 66)

  ✖ 4. (88, 2, 22)

Question ID : 26433079125
Status : **Answered**
Chosen Option : **2**

Q.23 If X × Y means that X is the mother of Y, X – Y means that X is the father of Y, X ÷ Y means that X is the sister of Y, then which of the following expression shows that P is the paternal grandfather of R?
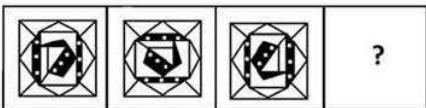
Ans
✗ 1. Q – P × R

✗ 2. P – Q ÷ R

✔ 3. P – Q × R

✗ 4. P × Q – R

Q.24 Select a suitable figure from the answer figures which would replace the question mark (?).

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Q.25 In the following question, four number pairs are given. In each pair the number on left side of (–) is related to the number of the right side of (–) with some Logic/Rule/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans ✖ 1. 15 – 56

✖ 2. 13 – 48

✔ 3. 11 – 39

✖ 4. 17 – 64

Question ID : 264330105068
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 The principal lignite reserves are in Neyveli which is situated in _____.

Ans ✖ 1. Karnataka

✖ 2. Andhra Pradesh

✔ 3. Tamil Nadu

✖ 4. Kerala

Question ID : 264330105507
Status : **Answered**
Chosen Option : **1**

Q.2 Babur ruled over Delhi till _____ year.

Ans ✔ 1. 1530

✖ 2. 1539

✖ 3. 1526

✖ 4. 1545

Question ID : 264330105431
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.3 Which of these methods is used for conservation of land rescore?

Ans ✖ 1. Deforestation

✖ 2. Poaching

✔ 3. Land reclamation

✖ 4. Indiscriminate use of chemical pesticides

Question ID : 264330105608
Status : **Answered**
Chosen Option : **3**

Q.4 In which of the following Indian states is the "Hundred Drums Festival" observed?

Ans   ✗ 1. Uttarakhand

     ✓ 2. Meghalaya

     ✗ 3. Himachal Pradesh

     ✗ 4. Punjab

> Question ID : **26433064695**
> Status : **Not Attempted and Marked For Review**
> Chosen Option : **--**

Q.5 In February 2022, the first night navigation mobile application for rivers was launched in _____.

Ans   ✗ 1. West Bengal

     ✓ 2. Assam

     ✗ 3. Uttar Pradesh

     ✗ 4. Jharkhand

> Question ID : **264330105266**
> Status : **Not Attempted and Marked For Review**
> Chosen Option : **--**

Q.6 When the river approaches sea it breaks up into a number of distributaries, each distributary forms its own mouth. The collection of sediments from all the mouths forms _____.

Ans   ✗ 1. meanders

     ✗ 2. floodplains

     ✓ 3. delta

     ✗ 4. levees

> Question ID : **264330105635**
> Status : **Answered**
> Chosen Option : **3**

Q.7 Which Fundamental Right was deleted by The Constitution (Forty-fourth Amendment) Act, 1978?

Ans   ✓ 1. Right to Property

     ✗ 2. Right to Freedom of Movement

     ✗ 3. Right to Education

     ✗ 4. Right to Constitutional Remedies

> Question ID : **26433080969**
> Status : **Answered**
> Chosen Option : **1**

Q.8 Most of the Chlorophyceae have one or more storage bodies called _____ located in the chloroplasts.

Ans   ✗ 1. Stomata

     ✗ 2. Carotenoids

     ✓ 3. Pyrenoids

     ✗ 4. Chlorophyll

> Question ID : **26433064749**
> Status : **Answered**
> Chosen Option : **4**

Q.9 The bill which provide for the trial of British or European person by Indians was _____.

Ans ✗ 1. Hastings Bill

✗ 2. Dalhousie Bill

✓ 3. Ilbert Bill

✗ 4. George Bill

Question ID : **264330105562**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which of the following cities became the capital of Bengal in 1704?

Ans ✗ 1. Howrah

✓ 2. Murshidabad

✗ 3. Kharagpur

✗ 4. Kolkata

Question ID : **264330105446**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Iron, iodine and zinc can be considered as which of the following?

Ans ✗ 1. Macronutrients

✓ 2. Micronutrients

✗ 3. Steroid hormone inducer

✗ 4. Non-essential nutrients

Question ID : **26433071441**
Status : **Answered**
Chosen Option : **2**

Q.12 Who among the following is noted for playing the Flute?

Ans ✗ 1. Pandit Kumar Gandharva

✓ 2. Pandit Hariprasad Chaurasia

✗ 3. Pandit Ravishankar

✗ 4. Pandit Shivkumar Sharma

Question ID : **26433071634**
Status : **Answered**
Chosen Option : **3**

Q.13 The GDP estimation method measuring the aggregate value of goods and services produced by the firms is called _____.

Ans ✗ 1. expenditure method

✗ 2. consumption method

✗ 3. income method

✓ 4. product method

Question ID : **264330105361**
Status : **Not Answered**
Chosen Option : **--**

Q.14 The Choliya dance is performed in _____.

Ans ✗ 1. Ladakh

✓ 2. Uttarakhand

✗ 3. Meghalaya

✗ 4. Tamil Nadu

Question ID : **26433064294**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Which of the following countries is NOT part of the three nations to host the 2023 FIBA Basketball World Cup?

Ans ✗ 1. Japan

✗ 2. Indonesia

✓ 3. Argentina

✗ 4. Philippines

Question ID : **26433059409**
Status : **Not Answered**
Chosen Option : **--**

Q.16 The 'Sorrow of Bengal' is _____ .

Ans ✗ 1. The Narmada

✓ 2. The Damodar

✗ 3. The Koshi

✗ 4. The Tapi

Question ID : **26433066522**
Status : **Answered**
Chosen Option : **2**

Q.17 The first bullet train project in India aims to run a bullet train at 320 kmph along a high-speed rail (HSR) track between _____.

Ans ✗ 1. Jaipur and Mumbai

✓ 2. Ahmedabad and Mumbai

✗ 3. Delhi and Hyderabad

✗ 4. Kolkata and Chennai

Question ID : **264330105280**
Status : **Answered**
Chosen Option : **2**

Q.18 What is the chemical formula of vinegar?

Ans ✗ 1. HCOOH

✓ 2. CH_3COOH

✗ 3. $(COOH)_2$

✗ 4. C_6H_5COOH

Question ID : **26433089655**
Status : **Answered**
Chosen Option : **2**

Q.19 Which measuring instrument consists of a metal triangular frame supported on three legs, used to measure the radius of curvature of an object such as lenses and curved mirrors which are spherical in shape?

Ans ✗ 1. Viscometer

✓ 2. Spherometer

✗ 3. Verniercaliper

✗ 4. Screw gauge

Question ID : **26433092180**
Status : **Answered**
Chosen Option : **3**

Q.20 In cricket, if the umpire raises an index finger above the head it means_____.

Ans ✗ 1. dead ball

✗ 2. wide ball

✗ 3. no ball

✓ 4. batsman is out

Question ID : **26433071561**
Status : **Answered**
Chosen Option : **4**

Q.21 The duration of the Mesolithic period is from about _____ years ago to _____ years ago.

Ans ✗ 1. 14000, 10000

✗ 2. 17000, 12000

✓ 3. 12000, 10000

✗ 4. 10000, 7000

Question ID : **264330105162**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.22 The 73rd amendment deals with which of the following?

Ans ✗ 1. GST

✗ 2. Urban local government bodies

✓ 3. Panchayat Raj System

✗ 4. Anti-defection

Question ID : **26433064833**
Status : **Answered**
Chosen Option : **3**

Q.23 In the Industrial Policy Resolution of 1948, which of the following was NOT the monopoly of the Central Government?

Ans ✓ 1. Iron and Steel

✗ 2. Atomic energy

✗ 3. Railway

✗ 4. Arms and ammunition

Question ID : **26433066577**
Status : **Answered**
Chosen Option : **1**

Q.24 In July 2022, the government prohibited the import of which of the following in line with the Assisted Reproductive Technology (Regulation) Act, 2021 and The Surrogacy (Regulation) Act, 2021?

Ans ✔ 1. Human embryo

✖ 2. Women's egg

✖ 3. Stem cell

✖ 4. Kidney

Question ID : 264330105237
Status : **Not Answered**
Chosen Option : --

Q.25 Who among the following Kathak dancers were conferred with the Padma Shri Award, 2022?

Ans ✖ 1. Manjari Chaturvedi and Rajendra Chaturvedi

✔ 2. Kamalini Asthana and Nalini Asthana

✖ 3. Sujata Mohapatra and Ratikant Mohapatra

✖ 4. Yamini Krishnamurthy and Smrithi Krishnamurthy

Question ID : 26433082126
Status : **Not Answered**
Chosen Option : --

Section : **Quantitative Aptitude**

Q.1 The given table shows the number of new employees joined in different categories of employees in an organisation and also the number of employees from these categories who left the organisation every year since the foundation of the organisation in 2015. Study the table and answer the question that follows.

Year	Business Analysts		Accountants		Sales Representatives		Peons	
	Joined	Left	Joined	Left	Joined	Left	Joined	Left
2015	80	0	35	0	50	0	73	0
2016	63	21	26	16	46	20	34	23
2017	78	28	15	5	38	15	48	29
2018	42	39	20	38	34	0	14	12
2019	67	44	14	24	22	30	21	30

During the years given, what is the difference between the total number of Business Analysts who joined the organisation and the total number of Sales Representatives who joined the organisation?

Ans ✖ 1. 142

✖ 2. 143

✖ 3. 141

✔ 4. 140

Question ID : 26433082688
Status : **Answered**
Chosen Option : **4**

Q.2 Aarif, Arun and Abraham can do a work in 12, 20 and 24 days, respectively. They all begin together. Aarif leaves the work 1 day, Arun 3 days and Abraham 4 days before its completion. In how many days is the work finished?

Ans ✔ 1. 8

✖ 2. 10

✖ 3. 11

✖ 4. 9

Question ID : 26433075121
Status : **Answered**
Chosen Option : **1**

Q.3 A conical vessel, whose internal radius is 20 cm and height is 27 cm, is full of water. If this water is poured into a cylindrical vessel with internal radius 15cm, what will be the height to which the water rises in it?

Ans ✔ 1. 16 cm

    ✘ 2. 10 cm

    ✘ 3. 12 cm

    ✘ 4. 14 cm

Q.4 The average age of six members of a family is 40 years. If the age of a guest is included, then the average age increases by 12.5%.What is the age (in years) of the guest?
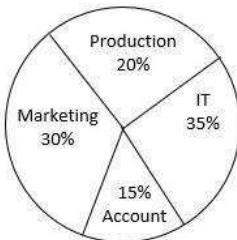
Ans ✘ 1. 59

    ✘ 2. 65

    ✔ 3. 75

    ✘ 4. 69

Q.5 The following pie charts show the percentage of employees in each department and the percentage of males working in each department.

Total number of employees = 5100   Total number of males = 2050

Find the number of females working in the production department.

Ans ✔ 1. 36

    ✘ 2. 40

    ✘ 3. 32

    ✘ 4. 24

**Q.6** If $x = 222$, $y = 223$ and $z = 224$, then find the value of $x^3 + y^3 + z^3 - 3xyz$.

Ans ✔ 1. 2007

    ✘ 2. 2004

    ✘ 3. 2006

    ✘ 4. 2005
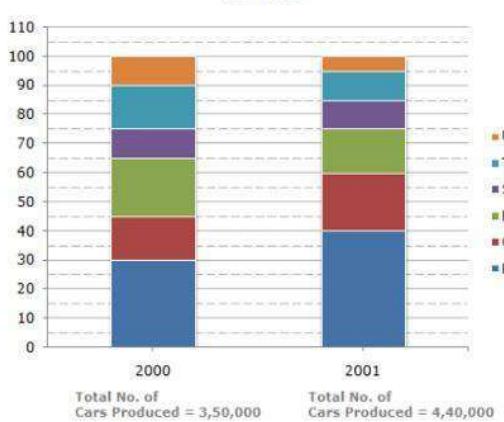
Q.7 The bar graph given below shows the percentage distribution of the total production of six different types of cars by a car manufacturing company over 2 years.

Percentage of Six different types of Cars manufactured by a Company over Two Years

Total No. of Cars Produced = 3,50,000

Total No. of Cars Produced = 4,40,000

The total number of cars of type P, R and U manufactured in 2001 is:

Ans ✗ 1. 1,54,000

 ✗ 2. 1,76,000

 ✗ 3. 2,00,000

 ✔ 4. 2,64,000

Q.8 If $secA = \dfrac{5}{4}$, then the value of $\dfrac{tanA}{1+tan^2A} - \dfrac{sinA}{secA}$ is:

Ans ✗ 1. 2

 ✗ 2. 1

 ✔ 3. 0

 ✗ 4. 3

**Q.9** The following pie chart shows the population of 7 villages.

What is the different between the population of villages E and D, if the total population of all the villages together is 50,000?

Ans ✓ 1. 500

✗ 2. 400

✗ 3. 300

✗ 4. 600

Q.10 If α, β are the roots of $6x^2 + 13x + 7 = 0$, then the equation whose roots are α^2, β^2 is:

Ans ✗ 1. $36x^2 - 87x + 49 = 0$

✓ 2. $36x^2 - 85x + 49 = 0$

✗ 3. $36x^2 - 85x - 49 = 0$

✗ 4. $36x^2 + 87x - 49 = 0$

Q.11 X is directly proportional to the square of Y. When X is 12, then Y is 2. Find the value of X when Y is 3.

Ans ✗ 1. 30

✗ 2. 9

✓ 3. 27

✗ 4. 18

Q.12 A policeman spotted a thief 40 metres ahead of him. The moment they both saw each other they started running in the same direction on the same track. The thief was running at 10 m/sec and the policeman was chasing him at the speed of 12 m/sec. How much distance (in metres) the policeman needed to cover to catch the thief?

Ans ✗ 1. 180

✓ 2. 240

✗ 3. 200

✗ 4. 225

Q.13 If $\cos\theta + \cos^2\theta = 1$, find the value of $\sqrt{\sin^4\theta + \cos^2\theta}$.

Ans ✔ 1. $\sqrt{2}\,\text{Cos}\theta$

     ✘ 2. $2\,\text{Cos}\theta$

     ✘ 3. $\sqrt{2}\,\text{Sin}\theta$

     ✘ 4. $2\,\text{Sin}\theta$

Question ID : **26433061769**
Status : **Answered**
Chosen Option : **1**

Q.14 Find the HCF of 60, 148 and 382.

Ans ✔ 1. 2

     ✘ 2. 6

     ✘ 3. 4

     ✘ 4. 24

Question ID : **26433076169**
Status : **Answered**
Chosen Option : **3**

Q.15 Raghav went to a shopping mall to purchase clothes. He had two coupons with him, but only one can be used on a single day. Using the first coupon, a total discount of 30% could be obtained on the total amount. Using the second coupon, he will get 80% off on the price of the costliest shirt if he buys at least 3 shirts. What is the price at which Raghav can purchase 3 shirts at a minimum price if the prices of the three shirts are Rs.1,250, Rs.1,540 and Rs.1,375?

Ans ✘ 1. Rs.2,760

     ✔ 2. Rs.2,915.50

     ✘ 3. Rs.2,775

     ✘ 4. Rs.2,933

Question ID : **26433075317**
Status : **Answered**
Chosen Option : **2**

Q.16 If sin A = 4/5, then what is the value of $\sin^2 A$?

Ans ✘ 1. 26/25

     ✘ 2. 36/25

     ✘ 3. 48/25

     ✔ 4. 16/25

Question ID : **264330105894**
Status : **Answered**
Chosen Option : **4**

Q.17 A solid metallic sphere of radius 12 cm is melted and recast into a cone having diameter of the base as 12 cm. What is the height of the cone?
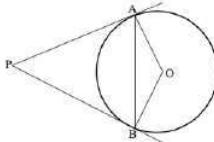
Ans ✗ 1. 258 cm

✔ 2. 192 cm

✗ 3. 166 cm

✗ 4. 224 cm

Q.18 In the given figure, if PA and PB are tangents to the circle with centre O such that $\angle APB = 54°$, then $\angle OBA =$ ____.
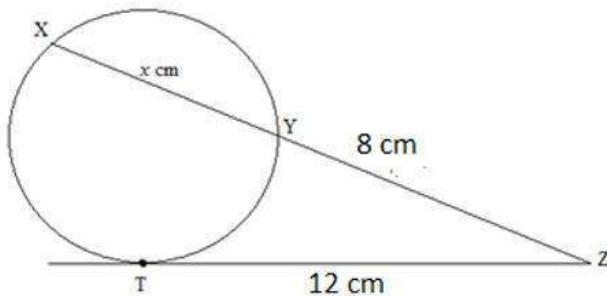
Ans ✔ 1. 27°

✗ 2. 40°

✗ 3. 30°

✗ 4. 35°

Q.19 In the figure, XYZ is a secant and ZT is a tangent to the circle at T. If TZ = 12 cm and YZ = 8 cm, then find the length of XY.

Ans ✗ 1. 8 cm

✗ 2. 9 cm

✗ 3. 6 cm

✔ 4. 10 cm

Q.20 A dishonest dealer sells the goods at 7% loss on cost price but uses 18% less weight. What is his percentage of profit? (Correct to 2 decimal places)

Ans   ✖ 1. 25.65%

✖ 2. 12.82%

✖ 3. 28.75%

✔ 4. 13.41%

Question ID : **26433063700**
Status : **Answered**
Chosen Option : **1**

Q.21 If $x + y + z = 0$ and $x^2 + y^2 + z^2 = 40$, then what is the value of $xy + yz + zx$?

Ans   ✔ 1. –20

✖ 2. 5

✖ 3. –5

✖ 4. –10

Question ID : **264330105914**
Status : **Answered**
Chosen Option : **1**

**Q.22** The expenditure on the cost of living of a man and his family is 60% of his salary. He gets two increment of 30% and 60% in his salary. If his saving increases by 250% of his initial saving, then the new cost of living expenditure is what percentage (rounded off to the nearest integer) of the increased salary?

Ans   ✔ 1. 32.7 Percent

✖ 2. 43.6 Percent

✖ 3. 29.5 Percent

✖ 4. 36.6 Percent

Question ID : **26433063202**
Status : **Answered**
Chosen Option : **2**

Q.23 If the areas of two isosceles triangles are in the ratio of $x^2: y^2$, then the ratio of their corresponding heights is:

Ans   ✔ 1. $x : y$

✖ 2. $\sqrt{x} : \sqrt{y}$

✖ 3. $x^3 : y^3$

✖ 4. $x^2 : y^2$

Question ID : **26433075536**
Status : **Answered**
Chosen Option : **1**

Q.24 A sum of money doubles itself in 7 years at simple interest. In how much time will it become 5 times of itself?

Ans ✗ 1. 25 years

✓ 2. 28 years

✗ 3. 23 years

✗ 4. 21 years

Question ID : **26433079874**
Status : **Answered**
Chosen Option : **4**

Q.25 If a 7-digit number 54p3987 is divisible by 11, then p is equal to:

Ans ✓ 1. 5

✗ 2. 9

✗ 3. 4

✗ 4. 1

Question ID : **26433074977**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

Q.1 Select the most appropriate ANTONYM of the underlined word.
Social economics is a meta-discipline in which economics is <u>entrenched</u> in social, political and cultural behaviours.

Ans ✗ 1. Averted

✗ 2. Startling

✓ 3. Transient

✗ 4. Entrusted

Question ID : **26433061569**
Status : **Answered**
Chosen Option : **1**

Q.2 Select the most appropriate synonym of the bracketed word to fill in the blank.

Your words seemed more like a demand rather than a _____ (request).

Ans ✓ 1. plea

✗ 2. compromise

✗ 3. contract

✗ 4. order

Question ID : **26433060682**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the option that can be used as a one-word substitute for the underlined group of words in the following sentence.

Sita seems <u>not to be affected by the pleasures and pains of life</u>.

Ans ✗ 1. strict

✗ 2. active

✓ 3. stoic

✗ 4. passive

Question ID : **26433072755**
Status : **Answered**
Chosen Option : **3**

Q.4 Select the most appropriate meaning of the given idiom.
Red tape

Ans ✗ 1. Catch someone at the moment they are doing something wrong

✓ 2. Official rules and bureaucracy that make it difficult to do something

✗ 3. Have a negative amount in your bank balance

✗ 4. Something unimportant that takes attention away from the main subject

Question ID : **26433060467**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the most appropriate option to fill in the blank.
Either he is mad, or he feigns _____.

Ans ✗ 1. happiness

✓ 2. madness

✗ 3. calmness

✗ 4. sadness

Question ID : **26433086342**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Select the option that can be used as a one-word substitute for the given group of words.
Having a feeling of guilt

Ans ✗ 1. Refulgence

✗ 2. Restitution

✓ 3. Remorse

✗ 4. Repugnance

Question ID : **26433073359**
Status : **Answered**
Chosen Option : **3**

Q.7 Choose the incorrectly spelt word.

Ans ✗ 1. Benchmark

✗ 2. Knight

✗ 3. Aggravate

✓ 4. Subsistance

Question ID : **264330104745**
Status : **Answered**
Chosen Option : **3**

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

I felt _____ elated at the news.

Ans ✗ 1. commonly

✓ 2. strangely

✗ 3. customarily

✗ 4. typically

Question ID : **26433059588**
Status : **Answered**
Chosen Option : **1**

Q.9 Select the option that can be used as a one-word substitute for the given group of words.

A person who criticises traditional beliefs and customs

Ans ✗ 1. Heretic

✗ 2. Absconder

✗ 3. Apostle

✓ 4. Iconoclast

Question ID : **26433072546**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the correct passive form of the given sentence.
He drank a lot of coffee before the marathon.

Ans ✓ 1. A lot of coffee was drunk by him before the marathon.

✗ 2. A lot of coffee is drunk by him before the marathon.

✗ 3. A lot of coffee was drunken by him before the marathon.

✗ 4. A lot of coffee had been drunk by him before the marathon.

Question ID : **264330104557**
Status : **Answered**
Chosen Option : **4**

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

They flew a kite in the evening.

Ans ✗ 1. A kite was being flown by them in the evening.

✗ 2. In the evening, a kite have been flown by them.

✗ 3. A kite has been flown by them since evening.

✓ 4. A kite was flown by them in the evening.

Question ID : **26433088547**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Select the most appropriate synonym of the underlined word in the given sentence.

The young fellow was innocent and without <u>guile</u>.

Ans   ✗ 1. Morality

      ✗ 2. Pride

      ✗ 3. Greed

      ✔ 4. Deceit

> Question ID : **26433071964**
> Status : **Answered**
> Chosen Option : **4**

Q.13 Select the INCORRECTLY spelt word.

Ans   ✗ 1. Musk

      ✗ 2. Decide

      ✔ 3. Extarnal

      ✗ 4. Angel

> Question ID : **26433070624**
> Status : **Answered**
> Chosen Option : **3**

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The students were <u>warned on</u> coming late to school.

Ans   ✔ 1. warned against

      ✗ 2. warned at

      ✗ 3. warned in

      ✗ 4. warned with

> Question ID : **26433088170**
> Status : **Answered**
> Chosen Option : **1**

Q.15 Select the most appropriate meaning of the underlined idiom that can be substituted in the following sentence.

Let us know what you think <u>in black and white</u>.

Ans   ✗ 1. in darkness and light

      ✗ 2. verbally

      ✔ 3. in writing

      ✗ 4. in black and white paint

> Question ID : **26433072228**
> Status : **Answered**
> Chosen Option : **3**

Q.16 Rearrange the parts of the sentence in correct order.
The absence of
P. data on the migrant workers was
Q. formulating effective policy decisions and
R. preventing the governments from
S. strategies for the welfare of migrant workers

Ans ✗ 1. QPRS

✗ 2. RPQS

✗ 3. PSRQ

✔ 4. PRQS

Question ID : **264330104673**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the correct direct form of the given sentence.
Meena said that her parents were getting divorced.

Ans ✗ 1. Meena said, "My parents get divorced."

✔ 2. Meena said, "My parents are getting divorced."

✗ 3. Meena said, "My parents will be getting divorced."

✗ 4. Meena said, "My parents were getting divorced."

Question ID : **264330104628**
Status : **Answered**
Chosen Option : **2**

Q.18 Select the most appropriate ANTONYM of the underlined word.
The singer complained to the police that she was purportedly attacked back stage immediately after the concert.

Ans ✗ 1. Maliciously

✔ 2. Impossibly

✗ 3. Dramatically

✗ 4. Severely

Question ID : **26433061563**
Status : **Answered**
Chosen Option : **1**

Q.19 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The students usually asks / for a bonus time of / thirty minutes for / completing their projects.

Ans ✔ 1. The students usually asks

✗ 2. completing their projects

✗ 3. for a bonus time of

✗ 4. thirty minutes for

Question ID : **26433089278**
Status : **Answered**
Chosen Option : **3**

Q.20 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

One of the major challenges / he faced during his / undergraduate days were / the shortage of money.

Ans   ✗ 1. he faced during his

     ✗ 2. One of the major challenges

     ✗ 3. the shortage of money

     ✔ 4. undergraduate days were

> Question ID : **26433089280**
> 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.

Being constant (1) _____ repeating a task or action, or performing an activity without a stop or interval. Consistency can never be attained in a sporadic or (2) _____ manner. When you perform anything regularly or constantly, you will not only build expertise in that area, but you will also gain a better (3) _____ of it. Because of the greater amount of effort put in over a longer period of time, this enhanced comprehension is (4) _____. As a result, consistency is the (5) _____ that allows anyone to consistently put in the effort.

SubQuestion No : 21

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

Ans   ✗ 1. envelops

     ✗ 2. initiates

     ✗ 3. figure

     ✔ 4. entails

> Question ID : **26433084793**
> 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.

Being constant (1) _____ repeating a task or action, or performing an activity without a stop or interval. Consistency can never be attained in a sporadic or (2) _____ manner. When you perform anything regularly or constantly, you will not only build expertise in that area, but you will also gain a better (3) _____ of it. Because of the greater amount of effort put in over a longer period of time, this enhanced comprehension is (4) _____. As a result, consistency is the (5) _____ that allows anyone to consistently put in the effort.

SubQuestion No : 22

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

Ans   ✗ 1. casual

     ✔ 2. intermittent

     ✗ 3. discipline

     ✗ 4. focus

> Question ID : **26433084794**
> 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.

Being constant (1) _____ repeating a task or action, or performing an activity without a stop or interval. Consistency can never be attained in a sporadic or (2) _____ manner. When you perform anything regularly or constantly, you will not only build expertise in that area, but you will also gain a better (3) _____ of it. Because of the greater amount of effort put in over a longer period of time, this enhanced comprehension is (4) _____. As a result, consistency is the (5) _____ that allows anyone to consistently put in the effort.

SubQuestion No : 23

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

Ans ✗ 1. decision

✔ 2. comprehension

✗ 3. estrangement

✗ 4. ignorance

Question ID : **26433084795**
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.

Being constant (1) _____ repeating a task or action, or performing an activity without a stop or interval. Consistency can never be attained in a sporadic or (2) _____ manner. When you perform anything regularly or constantly, you will not only build expertise in that area, but you will also gain a better (3) _____ of it. Because of the greater amount of effort put in over a longer period of time, this enhanced comprehension is (4) _____. As a result, consistency is the (5) _____ that allows anyone to consistently put in the effort.

SubQuestion No : 24

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

Ans ✗ 1. destructible

✔ 2. feasible

✗ 3. credible

✗ 4. fluctuating

Question ID : **26433084796**
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.

Being constant (1) _____ repeating a task or action, or performing an activity without a stop or interval. Consistency can never be attained in a sporadic or (2) _____ manner. When you perform anything regularly or constantly, you will not only build expertise in that area, but you will also gain a better (3) _____ of it. Because of the greater amount of effort put in over a longer period of time, this enhanced comprehension is (4) _____. As a result, consistency is the (5) _____ that allows anyone to consistently put in the effort.

SubQuestion No : 25

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

Ans ✗ 1. resistance

✗ 2. apparatus

✔ 3. instrument

✗ 4. utensil

Question ID : **26433084797**
Status : **Answered**
Chosen Option : **3**
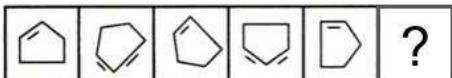
Combined Graduate Level Examination Tier I 2022

Roll Number	www.HaryanaJobs.in
Candidate Name	www.HaryanaJobs.in
Venue Name	Maa Kamla Digital Center
Exam Date	12/12/2022
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 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 : **26433080510**
Status : **Answered**
Chosen Option : **2**

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:
All oranges are apples.
Some oranges are bananas.
All bananas are fruits.
Conclusions:
I. Some fruits are apples.
II. Some apples are bananas.
III. Some oranges are fruits.

Ans ✗ 1. Only conclusions I and III follow.

✗ 2. Only conclusions II and III follow.

✔ 3. All conclusions follow.

✗ 4. Only conclusions I and II follow.

Question ID : **26433070404**
Status : **Answered**
Chosen Option : **2**

Q.3 By interchanging the given two signs which of the following equation will be not correct?

+ and ÷

Ans ✗ 1. 18 + 6 − 6 ÷ 3 × 3 = 6

✗ 2. 18 + 2 × 6 ÷ 3 − 7 = 50

✓ 3. 7 × 8 ÷ 4 + 2 − 6 = 49
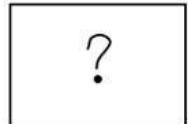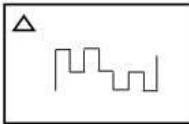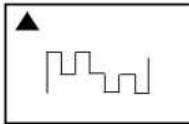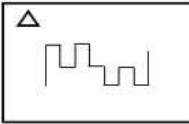
✗ 4. 6 × 9 + 3 − 24 ÷ 8 = 2
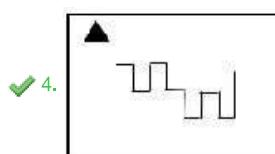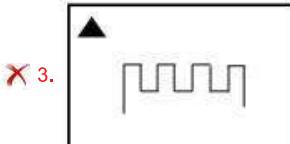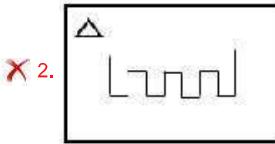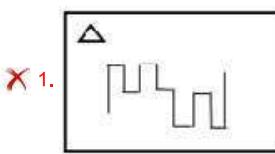
Q.4 Select the figure that will replace the question mark (?) in the following figure series.

Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.

Q.5 Three different positions of the same dice are shown (figures 1 to 3). Find the number on the face opposite to the face having '6'.
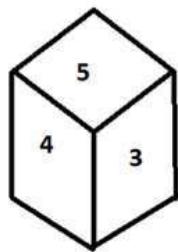

figure 1
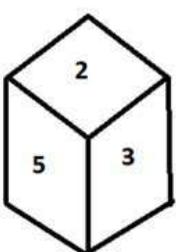
figure 2
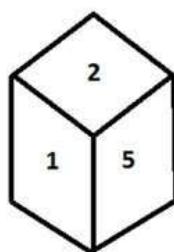
figure 3

Ans ✗ 1. 1

✔ 2. 5

✗ 3. 4

✗ 4. 2

Q.6 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans ✔ 1. CXA

✗ 2. UGS

✗ 3. JRH

✗ 4. NNL

Q.7 In a certain code language, 'APPRECIATE' is written as 'ETAICERPPA', 'MOTIVATION' is written as 'NOITAVITOM'. How will 'FRIENDSHIP' be written in that language?

Ans ✗ 1. PIHSDNIERF

✗ 2. PIHSDENIRF

✗ 3. PIHSNDEIRF

✔ 4. PIHSDNEIRF

Q.8 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Cattle : Herd

Ans ✗ 1. Soldiers : Colony

✓ 2. Sailors : Crew

✗ 3. Pupils : Team
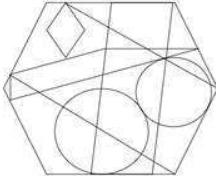
✗ 4. Player : Class

Question ID : **26433068015**
Status : **Answered**
Chosen Option : **2**
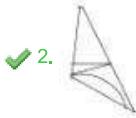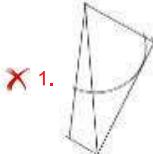
Q.9 Select the option figure that is embedded in the given figure. (Rotation is not allowed).

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.

Question ID : **26433068854**
Status : **Answered**
Chosen Option : **2**

Q.10 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
(17, 59, 625)
(8, 44, 784)

Ans ✗ 1. (22, 78, 784)

✓ 2. (12, 69, 2025)

✗ 3. (24, 70, 576)

✗ 4. (18, 74, 1296)

Question ID : **26433082545**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Solids : Freeze :: Gases : ?

Ans ✗ 1. Melts

✗ 2. Smells

✗ 3. Freezes

✓ 4. Evaporates

Question ID : **26433067816**
Status : **Answered**
Chosen Option : **4**

Q.12 If A × B means that A is the father of B, A ÷ B means that A is the mother of B, A + B means that A is the brother of B then which of the following expression shows that P is the paternal grandmother of R?

Ans ✗ 1. P ÷ R × Q

✓ 2. P ÷ Q × R

✗ 3. P ÷ Q + R

✗ 4. P × Q ÷ R

Question ID : **264330104992**
Status : **Not Answered**
Chosen Option : **--**

Q.13 By interchanging the given two signs and numbers which of the following equation will be not correct?
+ and −, 3 and 5

Ans ✗ 1. 5 × 4 + 3 − 6 ÷ 2 = 10

✗ 2. 7 × 4 ÷ 2 − 5 + 3 = 12

✗ 3. 5 × 4 − 3 + 4 ÷ 2 = 15

✓ 4. 5 − 3 + 8 × 4 ÷ 2 = 10

Question ID : **264330105141**
Status : **Answered**
Chosen Option : **4**

Q.14 'A @ B' means 'A is the husband of B'.
'A & B' means 'A is the father of B'.
'A # B' means 'B is the son of A'.
If F & G @ H # I @ J, then how is G related to J?

Ans ✗ 1. Father

✗ 2. Son

✗ 3. Husband

✓ 4. Father-in-law

Question ID : **26433068461**
Status : **Answered**
Chosen Option : **4**

Q.15 Which two signs and two numbers should be interchanged in the following equation to make it correct?

$13 - 65 \div 45 \times 21 + 2 = 82$

Ans ✗ 1. 65 and 13, × and +

✔ 2. 45 and 13, × and +

✗ 3. 45 and 21, × and +

✗ 4. 45 and 13, − and +

Q.16 After arranging the given words according to dictionary order, which word will come at 'Third' position?
1. Aquarium
2. Aquatic
3. Aquarial
4. Aquatint
5. Aquavit

Ans ✔ 1. Aquatic

✗ 2. Aquatint

✗ 3. Aqurial
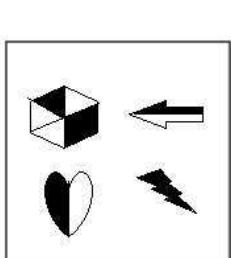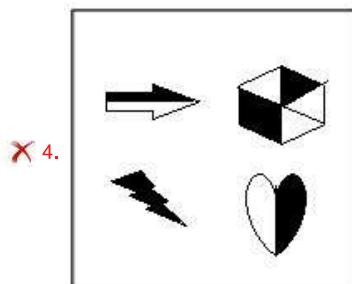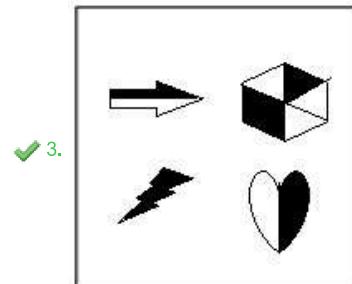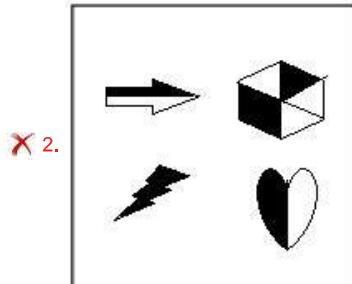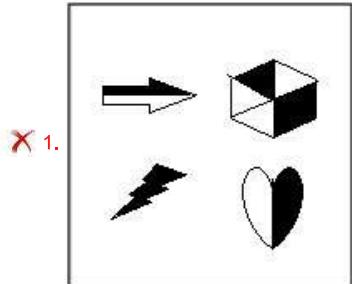
✗ 4. Aquarium

Q.17 Select the correct mirror image of the given figure when the mirror is placed at AB as shown.

A

B

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Question ID : 26433070438
Status : **Answered**
Chosen Option : **3**

Q.18 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.

4 : 61 :: 9 : 726 :: 6 : ?

Ans ✗ 1. 356

✗ 2. 316

✗ 3. 242

✓ 4. 213

Q.19 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:
I. Some L are Z.
II. Some L are T.
Conclusion:
I. All Z are L.
II. No T is Z.

Ans ✗ 1. Only conclusion I follows

✗ 2. Both conclusions I and II follows

✗ 3. Only conclusion II follows

✓ 4. Neither conclusion follows

Q.20 In a certain code language, 'LABOUR' is written as 'XZSECM' and 'GAINED' is written as 'JJRLCH'. How will 'EARNED' be written in that language?

Ans ✓ 1. JJRUCF

✗ 2. KJRVCF

✗ 3. FCVRJJ

✗ 4. JIRVCF

Q.21 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.)
(5, 98, 9)
(10, 168, 14)

Ans ✓ 1. (1, 28, 3)

✗ 2. (7, 108, 23)

✗ 3. (15, 248, 19)

✗ 4. (3, 88, 17)

Q.22 Which of the following numbers will replace the question mark (?) in the given series
12.8, 13.5, 14.9, 17, ?

Ans ✓ 1. 19.8

✗ 2. 19.5

✗ 3. 20.5

✗ 4. 18.9

Question ID : **26433067872**
Status : **Answered**
Chosen Option : **1**

Q.23 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
ABCD, CUKA, ENSX, GGAU, ?

Ans ✗ 1. IQRT

✗ 2. MNOQ

✗ 3. IRQT

✓ 4. IZIR

Question ID : **264330104823**
Status : **Answered**
Chosen Option : **4**

Q.24 Select the odd group of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans ✓ 1. (17 –51 –147)

✗ 2. (10 –30 –90)

✗ 3. (15 –45 –135)

✗ 4. (22 – 66 –198)

Question ID : **264330105081**
Status : **Answered**
Chosen Option : **1**

Q.25 Which of the following letter-clusters will replace the question mark (?) and complete the following letter-cluster series?
IR, BY, UF, NM, GT, ?

Ans ✓ 1. ZA

✗ 2. ZB

✗ 3. YA

✗ 4. YB

Question ID : **26433067273**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 All the _____ countries likely to have Constitution.

Ans ✗ 1. communist

✓ 2. democratic

✗ 3. oligarchic

✗ 4. totalitarian

Question ID : **26433086761**
Status : **Answered**
Chosen Option : **2**

Q.2 In which of the following places is the Tak Tok festival celebrated?

Ans ✗ 1. Assam

✗ 2. Nagaland

✓ 3. Ladakh

✗ 4. Tripura

Question ID : **26433071695**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Who among the following teamed up with flautist Hariprasad Chaurasia and guitarist Brij Bhushan Kabra and produced a concept album, 'Call of the Valley' (1967)?

Ans ✗ 1. Tarun Bhattacharya

✗ 2. Bhajan Sopori

✓ 3. Shivkumar Sharma

✗ 4. Satish Vyas

Question ID : **26433054846**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Dekhni is a folk dance associated with which Indian state?

Ans ✗ 1. Madhya Pradesh

✗ 2. Bihar

✓ 3. Goa

✗ 4. West Bengal

Question ID : **26433054321**
Status : **Answered**
Chosen Option : **4**

Q.5 Which of the following is one of the Open Market Operations by the Reserve Bank of India?

Ans ✓ 1. Buying and selling of bonds issued by the Government in the open market

✗ 2. Buying and selling of bonds issued by commercial banks in the open market

✗ 3. Only buying of bonds issued by the Government in the open market

✗ 4. Only selling of bonds issued by the Government in the open market

Question ID : **26433082233**
Status : **Answered**
Chosen Option : **2**

Q.6 In 1931, who recognised that an aromatic compound must have an odd number of pairs of electrons, which can mathematically be written as 4n+2 (n = 0,1,2,3 etc.)?

Ans ✘ 1. Antoine Lavoisier

✔ 2. Erich Huckel

✘ 3. Auguste Laurent

✘ 4. Jacob Berzelius

Question ID : **26433064068**
Status : **Not Answered**
Chosen Option : **--**

Q.7 What is the chemical name of saltpetre?

Ans ✔ 1. Potassium nitrate

✘ 2. Potassium manganite

✘ 3. Lead nitrate

✘ 4. Lead sulphate

Question ID : **26433086753**
Status : **Answered**
Chosen Option : **1**

Q.8 Which of the following statement is correct with respect to the Prashastis and land grants?
I. Prashastis were composed by learned Brahmanas.
II. Kings often rewarded Brahmanas by grants of land which were recorded on copper plates.

Ans ✘ 1. Only I

✔ 2. Both I and II

✘ 3. Only II

✘ 4. Neither I nor II

Question ID : **264330105407**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Identify the place from the following where an Atomic Power Station is located:

Ans ✘ 1. Hirakud

✘ 2. Naharkatiya

✔ 3. Kakrapar

✘ 4. Tatipaka

Question ID : **26433089217**
Status : **Answered**
Chosen Option : **3**

Q.10 In Tennis, what is the score when the receiver wins the next point after deuce?

Ans ✔ 1. Advantage out

✘ 2. 30-40

✘ 3. Advantage in

✘ 4. 40-30

Question ID : **26433059442**
Status : **Answered**
Chosen Option : **3**

Q.11 According to census 2011, Density of population is _____ persons per square km.

Ans ✖ 1. 362

    ✖ 2. 412

    ✔ 3. 382

    ✖ 4. 392

Question ID : 264330105527
Status : **Answered**
Chosen Option : **3**

Q.12 Which of the following combinations is NOT correct?

Ans ✖ 1. Wular lake – Kashmir

    ✔ 2. Vembanad lake – Maharashtra

    ✖ 3. Chilika lake – Odisha

    ✖ 4. Naini lake – Uttarakhand

Question ID : 26433064202
Status : **Answered**
Chosen Option : **2**

Q.13 What is the correct statement related to Avogadro?

Ans ✖ 1. Avogadro discovered electrons.

    ✖ 2. Avogadro made a distinction between electrons and neutrons.

    ✖ 3. Avogadro discovered a difference between animal and plant cell.

    ✔ 4. Avogadro made a distinction between atoms and molecules.

Question ID : 26433066675
Status : **Answered**
Chosen Option : **4**

Q.14 'Anaconda' one of the world's largest snakes is found in _____.

Ans ✔ 1. Tropical evergreen forest

    ✖ 2. Monsoon forest

    ✖ 3. Temperate evergreen forest

    ✖ 4. Temperate grasslands

Question ID : 264330105637
Status : **Answered**
Chosen Option : **1**

Q.15 The 22nd Commonwealth Games are scheduled to be held in which of the following countries?

Ans ✖ 1. India

    ✖ 2. Australia

    ✔ 3. England

    ✖ 4. Japan

Question ID : 26433071376
Status : **Answered**
Chosen Option : **2**

Q.16 Which state government decided to conduct a caste-based census called the 'Jaati Aadharit Ganana' exercise?

Ans ✗ 1. Madhya Pradesh

✗ 2. Rajasthan

✗ 3. Tripura

✓ 4. Bihar

Question ID : **264330105255**

Status : **Answered**

Chosen Option : **4**

Q.17 Battle of Buxar was fought in _____.

Ans ✗ 1. 1767

✗ 2. 1757

✓ 3. 1764

✗ 4. 1774

Question ID : **264330105559**

Status : **Answered**

Chosen Option : **3**

Q.18 In June 2022, AGNIPATH scheme was launched by the central government for which of the following purposes?

Ans ✓ 1. Recruitment of youth in the Armed Forces

✗ 2. Popularising the use of non-plastic alternatives

✗ 3. Sustainable and inclusive development of metro cities

✗ 4. Providing house facilities to tea garden workers

Question ID : **264330105300**

Status : **Answered**

Chosen Option : **1**

Q.19 One of India's worst industrial disasters of all time occurred in Bhopal on December 1984, in which of the following factories?

Ans ✗ 1. Exide

✗ 2. Bharat Rasayan Limited

✓ 3. Union Carbide

✗ 4. UPL Limited

Question ID : **26433064519**

Status : **Not Answered**

Chosen Option : **--**

Q.20 Which of the following awards was received by Vempati Chinna Satyam, an Indian Kuchipudi dancer, in 1998?

Ans ✓ 1. Padma Bhushan

✗ 2. Padma Vibhushan

✗ 3. Padma Shri

✗ 4. Tagore Puraskar

Question ID : **26433090699**

Status : **Not Answered**

Chosen Option : **--**

Q.21 Which dynasty bronze statues were made using the "lost wax" technique?

Ans ✔ 1. Chola

✘ 2. Pandya

✘ 3. Chalukya

✘ 4. Pala

Question ID : **264330105442**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Lake Kolleru is situated in which of the following states?

Ans ✔ 1. Andhra Pradesh

✘ 2. Tamil Nadu

✘ 3. Karnataka

✘ 4. Kerala

Question ID : **26433066521**
Status : **Answered**
Chosen Option : **1**

Q.23 In March 2022, who among the following became the Chief Minister of Punjab?

Ans ✘ 1. Lal Chand Kataruchakk

✔ 2. Bhagwant Mann

✘ 3. Laljit Singh Bhullar

✘ 4. Kuldeep Singh Dhaliwal

Question ID : **26433054557**
Status : **Answered**
Chosen Option : **2**

Q.24 The Supreme Court on 18 July, 2022 ordered its registry to work out a mechanism to remove personal details of persons entangled in matrimonial litigation. This decision was taken to recognize which right as part of 'right to privacy'?

Ans ✘ 1. Right to practice religion

✔ 2. Right to be forgotten

✘ 3. Right to division of power

✘ 4. Right to live

Question ID : **264330105235**
Status : **Answered**
Chosen Option : **4**

Q.25 The word India came from the Indus, called _____ in Sanskrit.

Ans ✘ 1. Bhanuh

✘ 2. Adya

✘ 3. Sarvatr

✔ 4. Sindhu
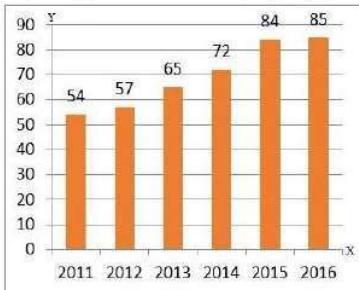
Question ID : **264330105160**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 The given bar diagram represents the number of persons who have taken an insurance policy on the y-axis, and the year of purchase of the insurance policy on the x-axis.

What is the average number of persons who have taken the insurance policy, excluding in the year 2012?

Ans ✔ 1. 72

✘ 2. 60

✘ 3. 70

✘ 4. 62

Question ID : 26433080142
Status : **Answered**
Chosen Option : **1**

Q.2 The HCF of two numbers is 21 and their LCM is 840. If one of the numbers is 49, then the other number is:

Ans ✘ 1. 650

✘ 2. 540

✘ 3. 810

✔ 4. 360

Question ID : 26433079826
Status : **Answered**
Chosen Option : **4**

Q.3 A shopkeeper offers the following three schemes.
Scheme-I: Two successive discounts of 15% and 25%
Scheme-II: Buy 5, get 3 free
Scheme-III: Buy 4, get 6
Which scheme is the best for customers?

Ans ✘ 1. Scheme-I

✘ 2. Scheme-III

✔ 3. Scheme-II

✘ 4. Any one- All are equal

Question ID : 26433075191
Status : **Answered**
Chosen Option : **2**

Q.4 The ratio of the cost price and selling price of an article is 10 : 11. The gain per cent is:

Ans ✔ 1. 10%

✘ 2. 8%

✘ 3. 5%

✘ 4. 15%

Question ID : 26433063467
Status : **Answered**
Chosen Option : **1**

Q.5 If Anju is 30% more efficient than Bitt, then how much time will they take, working together, to complete a job which Anju alone could have done in 23 days?

Ans ✔ 1. 13 days

✗ 2. $20\frac{3}{17}$ days

✗ 3. 15 days

✗ 4. 11 days

Q.6 A boat moves 25km upstream and 39km downstream in 8 hours. It travels 35km upstream and 52km downstream in 11 hours. What is the speed of the stream if it travels at a uniform speed?

Ans ✔ 1. 4 km/h

✗ 2. 5 km/h

✗ 3. 6 km/h

✗ 4. 3 km/h

Q.7 If $\csc\theta + \cot\theta = p$, then the value of $\frac{p^2 - 1}{p^2 + 1}$ is:

Ans ✔ 1. $\cos\theta$

✗ 2. $\sin\theta$

✗ 3. $\cot\theta$

✗ 4. $\csc\theta$

Q.8 A machine takes 10 h to cut 240 tools. How many tools will it cut in 25 h?

Ans ✔ 1. 600

✗ 2. 480

✗ 3. 550

✗ 4. 360

Q.9 If $m + \dfrac{1}{m-2} = 4$, then find the value of $(m-2)^2 + \dfrac{1}{(m-2)^2}$.

Ans ✗ 1. −2

✗ 2. 4

✗ 3. 0

✔ 4. 2

Question ID : 26433075838

Status : **Answered**

Chosen Option : **4**

Q.10 What is the value of the expression $\cos 2A \cos 2B + \sin^2(A-B) - \sin^2(A+B)$?

Ans ✗ 1. $\sin(2A - 2B)$

✗ 2. $\sin(2A + 2B)$

✔ 3. $\cos(2A + 2B)$

✗ 4. $\cos(2A - 2B)$

Question ID : 26433061939

Status : **Answered**

Chosen Option : **4**

Q.11 If $5x - \dfrac{5}{x} + 6 = 0$, then $x^2 + \dfrac{1}{x^2}$ is :

Ans ✔ 1. $\dfrac{86}{25}$

✗ 2. $\dfrac{43}{12}$

✗ 3. $\dfrac{81}{10}$

✗ 4. $\dfrac{86}{11}$

Question ID : 26433075427

Status : **Answered**

Chosen Option : **1**

Q.12 The least number that should be added to 35460 so that the sum is exactly divisible by 3, 4, 5 and 7 is:

Ans ✗ 1. 84

✗ 2. 420

✔ 3. 240

✗ 4. 180

Question ID : 26433062624

Status : **Answered**

Chosen Option : **3**

Q.13 In △ ABC, D and E are points on sides AB and AC, such that DE ∥ BC. If AD = x + 3, DB = 2x − 3, AE = x + 1 and EC = 2x − 2, then the value of x is:

Ans

✗ 1. $\dfrac{4}{5}$

✗ 2. $\dfrac{1}{2}$

✓ 3. $\dfrac{3}{5}$

✗ 4. $\dfrac{1}{5}$

Q.14 If △ABC~△EDF such that AB = 6 cm, DF =16 cm and DE = 8 cm, then the length of BC is:

Ans

✓ 1. 12 cm

✗ 2. 10 cm

✗ 3. 14 cm

✗ 4. 8 cm

Q.15 How many metres of 2-m-wide cloth will be required to make a conical tent with the diameter of the base as 14 m and slant height as 9 m ignore wastage?

Ans

✗ 1. 66 m

✗ 2. 88 m

✓ 3. 99 m

✗ 4. 77 m

Q.16

If $a = 26$ and $b = 22$, then the value of $\dfrac{a^3 - b^3}{a^2 - b^2} - \dfrac{3ab}{a + b}$ is _____.

Ans

✗ 1. $\dfrac{5}{3}$

✗ 2. $\dfrac{13}{11}$

✓ 3. $\dfrac{1}{3}$

✗ 4. $\dfrac{11}{13}$

Q.17 The table given below shows the budget allocation for education in five states in a year.

States	Budget allocation
D	225
E	75
F	250
G	425
H	535

What is the total budget allocation for education in all the states?

Ans ✗ 1. 1620

✗ 2. 1705

✗ 3. 1280

✔ 4. 1510

Question ID : 264330105748
Status : **Answered**
Chosen Option : **4**

Q.18 Radius of a circle is 5 cm. Length of chord AB in this circle is 6 cm. What is the distance of this chord from the centre of the circle?

Ans ✔ 1. 4 cm

✗ 2. 5 cm

✗ 3. 6 cm

✗ 4. 8 cm

Question ID : 264330105837
Status : **Answered**
Chosen Option : **1**

Q.19 The table given below shows the GDP of two countries in different five years.

Years	Country A	Country B
Y1	175	285
Y2	200	300
Y3	150	125
Y4	75	85
Y5	50	95

K1 = The value of average GDP of country A in all the 5 years.
K2 = The value of average GDP of country B in all the 5 years.
What is the value of (K1 + K2)?

Ans ✗ 1. 316

✗ 2. 290

✔ 3. 308

✗ 4. 178

Question ID : 264330105755
Status : **Not Answered**
Chosen Option : **--**

Q.20 Find the value of $\tan 27^0 \tan 34^0 + \tan 34^0 \tan 29^0 + \tan 29^0 \tan 27^0$.

Ans ✗ 1. 0

✗ 2. −1

✗ 3. √3

✔ 4. 1

Q.21 The minute hand of a clock is 20 cm long. Find the area on the face of the clock swept by the minute hand between 8 a.m. and 8:45 a.m.

Ans ✔ 1. $\dfrac{6600}{7}\ cm^2$

✗ 2. $\dfrac{6600}{9}\ cm^2$

✗ 3. $\dfrac{6600}{18}\ cm^2$

✗ 4. $\dfrac{6600}{14}\ cm^2$

Q.22 The following table shows the marks distribution among the students in a class.

Marks	No. of Students
Less than 10	2
Less than 20	5
Less than 30	6
Less than 40	8
Less than 50	10

How many students scored marks between 20 and 30?

Ans ✗ 1. 2

✗ 2. 5

✔ 3. 1

✗ 4. 6

Q.23 A person borrows Rs.1,00,000 from a bank at 10% per annum simple interest and clears the debt in five years. If the instalment paid at the end of the first, second, third and fourth years to clear the debt are Rs.10,000, Rs.20,000, Rs.30,000 and Rs.40,000, respectively, what amount should be paid at the end of the fifth year to clear the debt?

Ans ✘ 1. Rs.38,250

     ✔ 2. Rs.39,490

     ✘ 3. Rs.40,450

     ✘ 4. Rs.36,450

Q.24 The average of six numbers is 3.52. The average of two of them is 3.7, while the average of other two is 2.5. What is the average of the remaining two?

Ans ✘ 1. 3.7

     ✘ 2. 2.5

     ✔ 3. 4.36

     ✘ 4. 3.52

Q.25 A Microwave oven is sold in Hyderabad for Rs.M. A retailer, Elahi from Hyderabad went to Madras and bought it for 25% less (when compared to the price in Hyderabad). He spends Rs.1,000 on transport to bring it from Madras to Hyderabad. He sold it in Hyderabad for Rs.M making a profit of 10%. Find the value of M (in Rs.).

Ans ✘ 1. 6,305.8

     ✘ 2. 6,258.8

     ✔ 3. 6,285.7

     ✘ 4. 6,527.9

Section : **English Comprehension**

Q.1 Select the option that can be used as a one-word substitute for the underlined group of words.

My uncle is someone <u>who loves good food and knows a lot about it</u>.

Ans ✘ 1. Connoisseur

     ✔ 2. Gourmet

     ✘ 3. Chauffeur

     ✘ 4. Culinary

Q.2 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. She participates in several functions and musical shows and receives accolades for her singing.
B. Vineeta has a very sweet voice which has inspired her to adopt singing as her profession.
C. She can also play musical instruments such as the sitar and the harmonium.
D. Now, she has opened a music school to train young singers.

Ans ✗ 1. ADCB

✔ 2. BACD

✗ 3. ACDB

✗ 4. DCBA

Question ID : **26433072381**
Status : **Answered**
Chosen Option : **2**

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

Permeate

Ans ✗ 1. Exude

✗ 2. Continue

✗ 3. Remain

✔ 4. Diffuse

Question ID : **26433072195**
Status : **Answered**
Chosen Option : **4**

Q.4 Select the sentences that contains no spelling errors.

Ans ✗ 1. Anxiety is one of the most insidyous conditions affecting the mental health of an individual.

✔ 2. Anxiety is one of the most insidious conditions affecting the mental health of an individual.

✗ 3. Anxiety is one of the most insicdious conditions affecting the mental health of an individual.

✗ 4. Anxiety is one of the most insidiouos conditions affecting the mental health of an individual.

Question ID : **26433070693**
Status : **Answered**
Chosen Option : **2**

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

Answer

Ans ✗ 1. Recall

✔ 2. Reply

✗ 3. Remember

✗ 4. Query

Question ID : **26433060888**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the most appropriate option to fill in the blank.

She couldn't continue with a _____ diet to reduce her blood sugar.

Ans ✗ 1. practiced

✗ 2. shortened

✗ 3. maintained

✓ 4. balanced

Question ID : **26433074506**
Status : **Answered**
Chosen Option : **4**

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

She has _____ her money and jewellery to help the poor.

Ans ✗ 1. given up

✓ 2. given away

✗ 3. given in

✗ 4. given way

Question ID : **26433074064**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the correct spelling of the underlined word from the following options.

He deceaved the fraternity by the news of his unparalleled accomplishment to accommodate himself in the academic field.

Ans ✗ 1. decieved

✗ 2. desieved

✗ 3. deseived

✓ 4. deceived

Question ID : **26433061046**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the correct passive form of the given sentence.
Uma told Susan to give up drinking.

Ans ✓ 1. Susan was told to give up smoking by Uma.

✗ 2. Susan is told to give up smoking by Uma.

✗ 3. Susan has been told to give up smoking by Uma.

✗ 4. Susan had been told to give up smoking by Uma.

Question ID : **264330104562**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the correct indirect form of the given sentence.
Renu said to her brother, "You were watching the show without me."

Ans   ✔ 1. Renu told her brother that he had been watching the show without her.

    ✘ 2. Renu told her brother that he has been watching the show without her.

    ✘ 3. Renu told her brother that he had watched the show without her.

    ✘ 4. Renu told her brother that he were watching the show without her.

Question ID : **264330104607**
Status : **Answered**
Chosen Option : **1**

Q.11 Select the most appropriate ANTONYM of the given word.
Cacophony

Ans   ✘ 1. Colophony

    ✘ 2. Polyphony

    ✔ 3. Symphony

    ✘ 4. Antiphony

Question ID : **26433070614**
Status : **Answered**
Chosen Option : **3**

Q.12 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The audience has being / angry as the magician / is not performing / as expected.

Ans   ✘ 1. is not performing

    ✘ 2. as expected

    ✔ 3. The audience has being

    ✘ 4. angry as the magician

Question ID : **26433088158**
Status : **Answered**
Chosen Option : **3**

Q.13 Rearrange the parts of the sentence in correct order.
Medieval people undertook
P. purify themselves of sin, to transform
Q. pilgrimages individually, travelling to
R. themselves through a trial of faith.
S. distant shrines as a penance to

Ans   ✘ 1. PSRQ

    ✘ 2. QPRS

    ✘ 3. SPQR

    ✔ 4. QSPR

Question ID : **264330104675**
Status : **Answered**
Chosen Option : **4**

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

One who can speak two languages

Ans ✗ 1. Multilingual

✓ 2. Bilingual

✗ 3. Trilingual

✗ 4. Monolingual

Question ID : **26433060904**
Status : **Answered**
Chosen Option : **2**

Q.15 The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.
P. Honey ants are common in deserts and other arid climates around the world.
Q. They are part of the "worker" caste of honey ants.
R. Other castes include soldiers, who protect the colony from predators and the queen —usually is the mother of all other ants in the colony.
S. Only some honey ants become "living larders".

Ans ✗ 1. RPQS

✗ 2. RSPQ

✓ 3. PSQR

✗ 4. SQRP

Question ID : **264330104716**
Status : **Answered**
Chosen Option : **3**

Q.16 Select the most appropriate meaning of the given idiom.

He's sitting on the fence

Ans ✗ 1. He can't stop trying

✗ 2. He can't do anything seriously

✗ 3. He can't hide himself

✓ 4. He can't take a decision

Question ID : **26433070651**
Status : **Answered**
Chosen Option : **4**

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

Jeopardy

Ans ✓ 1. Safety

✗ 2. Danger

✗ 3. Precaution

✗ 4. Risk

Question ID : **26433060692**
Status : **Answered**
Chosen Option : **1**

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

The meeting was held upon / for an hour / due to non-availability / of the committee members.

Ans   ✗ 1. of the committee members.

       ✗ 2. due to non-availability

       ✗ 3. for an hour

       ✓ 4. The meeting was held upon

Q.19 Select the correct active form of the given sentence.
Before she came all the work had been completed by me.

Ans   ✗ 1. I will complete all my work before she came.

       ✓ 2. I had completed all my work before she came.

       ✗ 3. I completed all my work before she came.

       ✗ 4. I complete all my work before she came.

Q.20 Select the option that can be used as a one-word substitute for the given group of words.

to give up completely or agree to forgo, especially in favour of another

Ans   ✗ 1. Waive

       ✗ 2. Forfeit

       ✓ 3. Surrender

       ✗ 4. Cosign

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.

As writers we live life twice, like (1) _____ cow that eats its food once and then regurgitates it to chew and digest (2) _____ again. We have a second chance (3) _____ biting into our experience and examining it. This is our life and it's not going to last forever. There isn't time to talk about someday writing that short story or poem or novel. Slow down now, touch what is (4) _____ you, and out of care and compassion for (5) _____ moment and detail, put pen to paper and begin to write.

SubQuestion No : 21

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

Ans   ✗ 1. any

       ✓ 2. a

       ✗ 3. some

       ✗ 4. as

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.

As writers we live life twice, like (1) _____ cow that eats its food once and then regurgitates it to chew and digest (2) _____ again. We have a second chance (3) _____ biting into our experience and examining it. This is our life and it's not going to last forever. There isn't time to talk about someday writing that short story or poem or novel. Slow down now, touch what is (4) _____ you, and out of care and compassion for (5) _____ moment and detail, put pen to paper and begin to write.

SubQuestion No : 22

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

Ans ✗ 1. away

   ✗ 2. more

   ✔ 3. it

   ✗ 4. a few

Question ID : **26433074368**
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.

As writers we live life twice, like (1) _____ cow that eats its food once and then regurgitates it to chew and digest (2) _____ again. We have a second chance (3) _____ biting into our experience and examining it. This is our life and it's not going to last forever. There isn't time to talk about someday writing that short story or poem or novel. Slow down now, touch what is (4) _____ you, and out of care and compassion for (5) _____ moment and detail, put pen to paper and begin to write.

SubQuestion No : 23

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

Ans ✔ 1. at

   ✗ 2. not

   ✗ 3. beside

   ✗ 4. about

Question ID : **26433074369**
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.

As writers we live life twice, like (1) _____ cow that eats its food once and then regurgitates it to chew and digest (2) _____ again. We have a second chance (3) _____ biting into our experience and examining it. This is our life and it's not going to last forever. There isn't time to talk about someday writing that short story or poem or novel. Slow down now, touch what is (4) _____ you, and out of care and compassion for (5) _____ moment and detail, put pen to paper and begin to write.

SubQuestion No : 24

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

Ans ✔ 1. around

   ✗ 2. neither

   ✗ 3. besides

   ✗ 4. above

Question ID : **26433074370**
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.

As writers we live life twice, like (1) _____ cow that eats its food once and then regurgitates it to chew and digest (2) _____ again. We have a second chance (3) _____ biting into our experience and examining it. This is our life and it's not going to last forever. There isn't time to talk about someday writing that short story or poem or novel. Slow down now, touch what is (4) _____ you, and out of care and compassion for (5) _____ moment and detail, put pen to paper and begin to write.

SubQuestion No : 25

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

Ans ✔ 1. each

✘ 2. both

✘ 3. few

✘ 4. little

Combined Graduate Level Examination Tier I 2022

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Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
ABCD, AXUR, ATMF, APET, ?

Ans ✗ 1. RATM

✔ 2. ALWH

✗ 3. ALHR

✗ 4. AMNO

Question ID : **264330104841**
Status : **Answered**
Chosen Option : **2**

Q.2 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?

Ans ✗ 1. UCF

✗ 2. ZXA

✗ 3. NJM

✔ 4. HDX

Question ID : **26433081509**
Status : **Answered**
Chosen Option : **4**

Q.3 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. All S are B.
II. Some B are C.
Conclusions:
I. All S are C.
II. No C is B.
III. All B are S.

Ans ✗ 1. All conclusion follows

✗ 2. Only conclusion I follows

✔ 3. Neither conclusion follows

✗ 4. Only conclusion II follows

Question ID : **264330104944**
Status : **Answered**
Chosen Option : **3**

Q.4 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:
No cup is a plate.
All cups are utensils.
Some bottles are cups.

Conclusions:
I. Some utensils are not plates.
II. Some bottles are not plates.
III. No bottle is a plate.

Ans ✔ 1. Only conclusions I and II follow

✘ 2. Only conclusions II and III follow

✘ 3. All conclusions follow

✘ 4. Only conclusions I and III follow

Q.5 A # B means 'A is the sister of B'.
A @ B means 'A is the son of B'.
A & B means 'A is the father of B'.
A % B means 'A is the mother of B'.
If W @ Q % T & Y @ M % K, then how is W related to K?
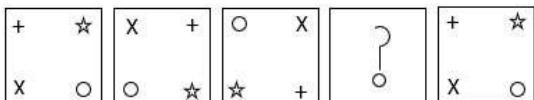
Ans ✘ 1. Father

✘ 2. Mother's brother

✔ 3. Father's brother

✘ 4. Brother
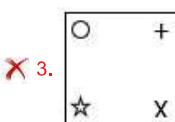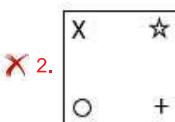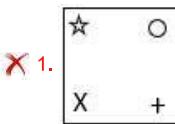
**Q.6** Select the figure that can replace the question mark (?) in the following figure series.

+	☆		X	+		O	X		?		+	☆
X	O		O	☆		☆	+		O		X	O

Ans

✗ 1.
☆	O
X	+

✗ 2.
X	☆
O	+

✗ 3.
O	+
☆	X

✓ 4.
☆	O
+	X

Q.7 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

M

e f 5 9 3 z p k

|

N

Ans

✗ 1. k q s Ɛ ə ट ʇ 6

✗ 2. K q s Ɛ ə ट ʇ 6

✓ 3. k q s Ɛ ə ट ʇ 6

✗ 4. k q s Ɛ ə ट ʇ 6
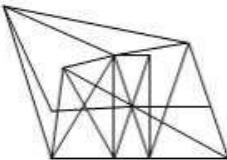
Q.8 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

(X)

Ans

✅ 1.

❌ 2.

❌ 3.

❌ 4.
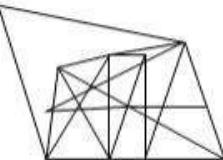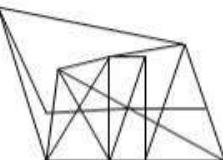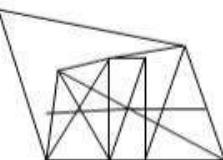
Question ID : 26433068903
Status : **Answered**
Chosen Option : **1**

Q.9 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.
WITNESS : SSENTIW :: SILENCE : ECNELIS :: PROTECT : ?

Ans ❌ 1. PROCETT

✅ 2. TCETORP

❌ 3. CETPROT

❌ 4. RPOTCET

Question ID : 26433069016
Status : **Answered**
Chosen Option : **2**

Q.10 In a certain code language, 'HABIT' is written as 'ITAHB' and 'BASED' is written as 'EDABS'. How will 'GAMES' be written in that language?

Ans ✅ 1. ESAGM

❌ 2. ESGAM

❌ 3. ESAMG

❌ 4. SEAGM

Question ID : 26433067301
Status : **Answered**
Chosen Option : **1**

Q.11 Select the odd group of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans ✗ 1. (16 – 20 – 24)

✗ 2. (23 – 27 –31)

✗ 3. (11 – 15 – 19)

✔ 4. (12 – 14 – 18)

Q.12 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '2'.
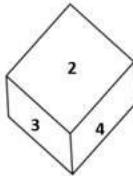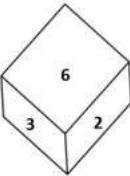
Figure 1   Figure 2   Figure 3
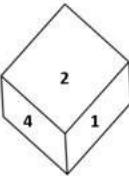
Ans ✗ 1. 4

✗ 2. 3

✔ 3. 5

✗ 4. 6

Q.13 Which of the following numbers will replace the question mark (?) in the given series?
25, 15, ?, −5, −15

Ans ✗ 1. 20

✔ 2. 5

✗ 3. 10

✗ 4. −1

Q.14 Select the set in which the numbers are NOT 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)
(168, 122, 290)

Ans ✗ 1. (198, 112, 310)

✗ 2. (226, 148, 374)

✓ 3. (236, 118, 356)

✗ 4. (126, 132, 258)

Q.15 Which of the following interchange of numbers and mathematical signs would make the given equation correct?
$72 \div 6 - 20 + 30 \times 5 = 70$

Ans ✓ 1. 5 and 20, − and ×

✗ 2. 20 and 30, × and ÷

✗ 3. 5 and 70, + and −
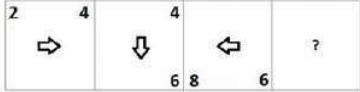
✗ 4. 6 and 20, + and ÷

Q.16 Select the figure from among the given options that can replace the question mark (?) in the following series.
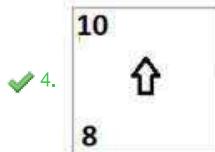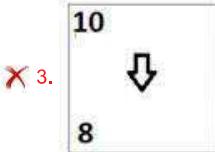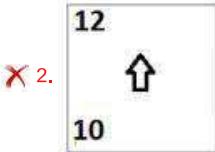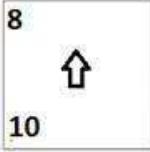
Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.

Q.17 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Lion : Roar

Ans
✗ 1. Hen : Crow

✗ 2. Owl : Bleat

✔ 3. Horse : Neigh

✗ 4. Goat : Hoot

Question ID : 26433068017
Status : **Answered**
Chosen Option : **3**

Q.18 Select the correct combination of mathematical signs to sequentially replace the @ signs and to balance the given equation.
[{(14 @ 6) @ (2 @ 3)} @ (1 @ 7)] @ 2 @ 4

Ans
✗ 1. ×, ÷, ×, ×, −, +, =

✗ 2. −, +, ×, ×, ×, ×, =

✗ 3. ×, −, +, ×, ÷, ×, =

✔ 4. −, +, ×, ÷, ×, ×, =

Question ID : 26433087052
Status : **Answered**
Chosen Option : **4**

Q.19 In a certain code language, 'ABACK' is written as 'MECDC' and 'CABAL' is written as 'NCDCE'. How will 'EAGER' be written in that language?

Ans
✔ 1. TGICG

✗ 2. TGCIG

✗ 3. TCIDG

✗ 4. TFICG

Question ID : 26433067338
Status : **Answered**
Chosen Option : **1**

Q.20 After arranging the given words according to dictionary order, which word will come at 'Fifth' position?
1. Overload
2. Overplay
3. Overlook
4. Overlain
5. Overland

Ans
✗ 1. Overlay

✔ 2. Overplay

✗ 3. Overload

✗ 4. Overland

Question ID : 264330104886
Status : **Answered**
Chosen Option : **2**

Q.21 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 /deleting /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)
(8, 540, 60)
(9, 70, 7)

Ans ✗ 1. (12, 56, 60)

✔ 2. (8, 63, 7)

✗ 3. (9, 54, 12)

✗ 4. (9, 45, 7)

Question ID : 26433079127
Status : **Answered**
Chosen Option : **2**

Q.22 Which two signs should be interchanged to make the given equation correct?
34 ÷ 16 + 4 * 8 − 6 = 60

Ans ✗ 1. − and *

✗ 2. + and *

✗ 3. ÷ and −

✔ 4. ÷ and +

Question ID : 26433067849
Status : **Answered**
Chosen Option : **4**

Q.23 If A × B means that A is the father of B, A − B means that A is the mother of B, A ÷ B means that A is the brother of B then which of the following expression shows that P is the paternal uncle of R?

Ans ✔ 1. P ÷ Q × R

✗ 2. P ÷ Q − R

✗ 3. Q ÷ P × R

✗ 4. P × Q ÷ R

Question ID : 264330104986
Status : **Answered**
Chosen Option : **1**

Q.24 Which letter cluster will replace the question mark (?) to complete the given series?
VSNY, UQLU, ?, SMHM, RKFI

Ans ✔ 1. TOJQ

✗ 2. TOJR

✗ 3. TOKQ

✗ 4. TPJQ

Question ID : 26433059865
Status : **Answered**
Chosen Option : **1**

Q.25 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.

14 : 400 :: 37 : ? :: 42 : 2304

Ans ✗ 1. 1333

✗ 2. 1764

✓ 3. 1849

✗ 4. 1521

Question ID : **26433068377**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Section : **General Awareness**

Q.1 Which of the following players is associated with billiards?

Ans ✗ 1. Neeraj Chopra

✗ 2. Sankalp Gupta

✓ 3. Pankaj Advani

✗ 4. Manish Narwal

Question ID : **26433071535**

Status : **Answered**

Chosen Option : **3**

Q.2 Name an alkylbenzene widely used as a chemical intermediate in the production of phenol.

Ans ✓ 1. Cumene

✗ 2. Furan

✗ 3. Styrene

✗ 4. Toluene

Question ID : **26433064079**

Status : **Not Answered**

Chosen Option : **--**

Q.3 Fundamental Duties are contained within which Article of the Constitution of India?

Ans ✗ 1. Article 492

✓ 2. Article 51A

✗ 3. Article 50A

✗ 4. Article 44

Question ID : **26433074892**

Status : **Answered**

Chosen Option : **2**

Q.4 Which Indian religious festival has recently been included in the representative list of intangible cultural heritage of humanity by UNESCO, an organisation of the United Nations?

Ans ✓ 1. Durga Puja

✗ 2. Ramnavami

✗ 3. Janmashtami

✗ 4. Mahashtami

Question ID : **26433074087**

Status : **Answered**

Chosen Option : **1**

Q.5 Which of the following pairs of 'Ruler – Ruling period' is correctly matched?
I. Sher Shah Suri – 1540-1545
II. Akbar – 1556-1605

Ans ✗ 1. Neither I nor II

✗ 2. Only II

✗ 3. Only I

✓ 4. Both I and II

Q.6 On 5 April 2022, who was appointed as the Chairman of the Union Public Service Commission?

Ans ✗ 1. S Raju

✗ 2. Suman K Bery

✓ 3. Manoj Soni

✗ 4. Ashwin Yardi

Q.7 The Planning commission of India has divided India into how many Agro-climatic Zones?

Ans ✓ 1. 15

✗ 2. 25

✗ 3. 18

✗ 4. 20

Q.8 Who among the following headed the National Income Committee?

Ans ✓ 1. PC Mahalanobis

✗ 2. VKRV Rao

✗ 3. DR Gadgil

✗ 4. BR Ambedkar

Q.9 The mass number of titanium is:

Ans ✗ 1. 44.56

✗ 2. 49.82

✗ 3. 41.33

✓ 4. 47.78

Q.10 The _____ Cabinet approved the country's first-of-its-kind gene bank programme in the State.

Ans
- ✗ 1. Rajasthan
- ✓ 2. Maharashtra
- ✗ 3. Andhra Pradesh
- ✗ 4. Odisha

Question ID : **264330105288**
Status : **Not Answered**
Chosen Option : **--**

Q.11 In which year did AEB de Chancourtois organise the elements by atomic weight, by graphing the elements around a cylinder with a circumference of 16 units, corresponding to the weight of oxygen (O)?

Ans
- ✓ 1. 1862
- ✗ 2. 1860
- ✗ 3. 1870
- ✗ 4. 1868

Question ID : **26433064093**
Status : **Not Answered**
Chosen Option : **--**

Q.12 A booklet released by the Lok Sabha Secretariat has listed out words and expressions that would be considered unparliamentary in both the Lok Sabha and Rajya Sabha. Which of the following words is NOT declared unparliamentary?

Ans
- ✗ 1. Shakuni
- ✗ 2. Nautanki
- ✓ 3. Chakkar
- ✗ 4. Girgit

Question ID : **264330105241**
Status : **Not Answered**
Chosen Option : **--**

Q.13 The shape of peninsular plateau in India is _____.

Ans
- ✗ 1. Linear
- ✗ 2. Rectangular
- ✗ 3. Circular
- ✓ 4. Triangular

Question ID : **264330105630**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Which of the following cities hosted the finals of IPL 2022?

Ans
- ✗ 1. Kolkata
- ✓ 2. Ahmedabad
- ✗ 3. Mumbai
- ✗ 4. Hyderabad

Question ID : **26433059408**
Status : **Not Answered**
Chosen Option : **--**

Q.15 In which of the following years, did Subhas Chandra Bose refer to Mahatma Gandhi as the "Father of the Nation"?

Ans ✗ 1. 1942

✓ 2. 1944

✗ 3. 1939

✗ 4. 1941

Question ID : **26433085300**
Status : **Not Answered**
Chosen Option : **--**

Q.16 The Green Revolution in India started in _____.

Ans ✗ 1. 1940s

✗ 2. 1990s

✗ 3. 1950s

✓ 4. 1960s

Question ID : **26433064532**
Status : **Not Answered**
Chosen Option : **--**

Q.17 The Sattriya dance form was introduced in the 15th century AD by the great Vaishnava saint and reformer of Assam, _____.

Ans ✗ 1. Chaitanya Mahaprabhu

✓ 2. Mahapurusha Sankaradeva

✗ 3. Vallabhacharya

✗ 4. Sant Namdev

Question ID : **26433082231**
Status : **Not Answered**
Chosen Option : **--**

Q.18 T Balasaraswati, a _____ dancer was also an actress.

Ans ✓ 1. Bharatanatyam

✗ 2. Kuchipudi

✗ 3. Manipuri

✗ 4. Kathakali

Question ID : **26433064304**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Who runs the government at the national level under the parliamentary system?

Ans ✗ 1. The President and Council of Ministers

✓ 2. The Prime Minister and Council of Ministers

✗ 3. The Prime Minister

✗ 4. The President

Question ID : **26433064838**
Status : **Answered**
Chosen Option : **2**

Q.20 Identify the INCORRECT pair.

Ans ✗ 1. Ustad Allarakha Khan – Tabla

✗ 2. Ravi Shankar – Sitar

✗ 3. Mogubai Kurdikar – Vocal

✓ 4. Ustad Vilayat Khan – Sarod

Question ID : **26433064788**
Status : **Not Answered**
Chosen Option : **--**

Q.21 In 1498, Vasco da Gama, a Portuguese explorer had discovered a route to _____.

Ans ✓ 1. India

✗ 2. Australia

✗ 3. China

✗ 4. Japan

Question ID : **264330105552**
Status : **Answered**
Chosen Option : **1**

Q.22 El-Nino develops in which of these oceans?

Ans ✗ 1. Arctic Ocean

✗ 2. Indian Ocean

✗ 3. Atlantic Ocean

✓ 4. Pacific Ocean

Question ID : **26433086620**
Status : **Answered**
Chosen Option : **3**

Q.23 The border line which separate Indian and Pakistan is known as _____.

Ans ✗ 1. Lahore line

✗ 2. McMahon line

✓ 3. Radcliffe line

✗ 4. Delhi line

Question ID : **264330105519**
Status : **Answered**
Chosen Option : **3**

Q.24 Identify animals that are NOT triploblastic.

Ans ✗ 1. Molluscs

✗ 2. Chordates

✓ 3. Coelenterates

✗ 4. Platyhelminthes

Question ID : **26433087857**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Which of the following statement is correct with respect to the Shaka dynasty?
I. Some kingdoms of Shakas lasted for about 500 years.
II. The Shakas were followed by the Kushanas about 2200 years ago.

Ans ✘ 1. Neither I nor II

✔ 2. Only I

✘ 3. Both I and II

✘ 4. Only II

Question ID : **264330105176**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 If $\sin^2\theta - 3\sin\theta + 2 = 0$, then find the value of θ $(0° \leq \theta \leq 90°)$.

Ans ✘ 1. 45°

✘ 2. 0°

✘ 3. 60°

✔ 4. 90°

Question ID : **26433061449**
Status : **Answered**
Chosen Option : **4**

Q.2 The LCM of 1.2 and 2.7 is:

Ans ✘ 1. 5.4

✔ 2. 10.8

✘ 3. 1.08

✘ 4. 32.4

Question ID : **26433075045**
Status : **Answered**
Chosen Option : **2**

Q.3 The radius of a right circular cylinder is four times of its height. If the height of the cylinder is 14 cm, then what is the volume of cylinder?

Ans ✘ 1. 15468 cm^3

✘ 2. 14262 cm^3

✔ 3. 137984 cm^3

✘ 4. 11296 cm^3

Question ID : **264330105885**
Status : **Answered**
Chosen Option : **3**

Q.4 What is the rate of interest per annum for simple interest at which Rs.880 amounts to Rs.913 in $1\frac{1}{2}$ years ?

Ans

✗ 1. $2\frac{2}{3}\%$

✗ 2. $2\frac{1}{4}\%$

✓ 3. $2\frac{1}{2}\%$

✗ 4. $2\frac{1}{3}\%$

Question ID : **26433075675**
Status : **Answered**
Chosen Option : **3**

Q.5 A number is decreased by 20% to get another number. The number so obtained is increased by 200% to get a third number. The difference of the third number and the original number is what percentage more or less than the difference of second and the third number?

Ans ✗ 1. More, 15.7 Percent

✗ 2. Less, 15.7 Percent

✗ 3. More, 12.5 Percent

✓ 4. Less, 12.5 Percent

Question ID : **26433063199**
Status : **Answered**
Chosen Option : **4**

Q.6 Any six-digit number that is formed by repeating a three-digit number, is always divisible by:

Ans ✗ 1. 111

✓ 2. 1001

✗ 3. 19

✗ 4. 101

Question ID : **26433075430**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.7 The printed price of a TV set is ₹14,500. It is sold for ₹10,000 with two consecutive discounts. If the first discount is 10%, then what is the second discount?

Ans ✓ 1. 23.37%

✗ 2. 25.37%

✗ 3. 20.37%

✗ 4. 27.37%

Question ID : **26433076096**
Status : **Answered**
Chosen Option : **1**

Q.8 If $a + \dfrac{1}{a} = 5$, then what is the value of $a^3 + \dfrac{1}{a^3}$?

Ans ✔ 1. 110

  ✘ 2. 15

  ✘ 3. 105

  ✘ 4. –10

Question ID : 264330105944
Status : **Answered**
Chosen Option : **1**

Q.9 The area of a triangle is 96 cm^2 and the ratio of its sides is 6 : 8 : 10. What is the perimeter of the triangle?

Ans ✔ 1. 48 cm

  ✘ 2. 56 cm

  ✘ 3. 64 cm

  ✘ 4. 44 cm

Question ID : 264330105818
Status : **Answered**
Chosen Option : **1**

Q.10 The radii of the ends of a frustum of a cone 7 cm high are 5 cm and 3 cm. Find its volume correct to one decimal place.

(Use $\pi = \frac{22}{7}$)

Ans ✘ 1. 345.6 cm^3

  ✔ 2. 359.3 cm^3

  ✘ 3. 379.3 cm^3

  ✘ 4. 369.3 cm^3

Question ID : 26433063814
Status : **Answered**
Chosen Option : **2**

Q.11 A boat covers a certain distance against the stream in 9 hours 36 min and it covers the same distance along the stream in 6 hours. What is the ratio of the speed of the boat in still water to that of the stream?

Ans ✔ 1. 13 : 3

  ✘ 2. 9 : 2

  ✘ 3. 11 : 6

  ✘ 4. 8 : 5

Question ID : 26433075201
Status : **Answered**
Chosen Option : **1**

Q.12 Raju, Shobh and Mohan can do a work in 15 days, 20 days and 25 days respectively. In how many days, will the work be finished, if they do it on alternate days?

Ans

✗ 1. $15\frac{9}{10}$ days

✗ 2. $18\frac{7}{10}$ days

✗ 3. $21\frac{7}{10}$ days

✔ 4. $18\frac{9}{10}$ days

Q.13 What is the value of $a^2 + b^2 + c^2 - 2ab - 2bc + 2ca$?

Ans

✗ 1. $(2a + b + c)^2$

✔ 2. $(a - b + c)^2$

✗ 3. $(a - b - 2c)^2$

✗ 4. $(a + 2b - c)^2$

Q.14 A jeep travels to a place 300 km away at an average speed of 60 km/h and returns at a speed of 30 km/h. What is the average speed (in km/h) for the whole journey?

Ans

✗ 1. 75

✗ 2. 80

✔ 3. 40

✗ 4. 60

Q.15 The table given below shows the number of people in different states.

States	Number of people
F	474
G	500
H	444
I	495
J	580

What is the average number of people in all the states?

Ans

✗ 1. 396.5

✗ 2. 482.5

✔ 3. 498.6

✗ 4. 476.6

Q.16 The average age of a man and his son is 55 years. The ratio of their ages is 7 : 4, respectively. What will be the ratio of their ages after 6 years?

Ans ✗ 1. 1 : 2

✗ 2. 12 : 7

✗ 3. 25 : 17

✓ 4. 38 : 23

Question ID : 26433063941
Status : **Answered**
Chosen Option : **4**

Q.17 $\triangle ABC$ is a right-angle triangle at B and $\tan A = \frac{3}{4}$, then $\sin A + \sin B + \sin C$ will be equal to:

Ans ✗ 1. $2\frac{4}{5}$

✓ 2. $2\frac{2}{5}$

✗ 3. $3\frac{1}{5}$

✗ 4. $1\frac{1}{5}$

Question ID : 26433061103
Status : **Answered**
Chosen Option : **2**

Q.18 A dishonest dealer professes to sell his goods at cost price but uses a false weight and thus gains 15%. For a kilogram, he uses a weight of _____ (rounded off to one digit after decimal).

Ans ✗ 1. 833.3 gm

✗ 2. 876.7 gm

✓ 3. 869.6 gm

✗ 4. 898.33 gm
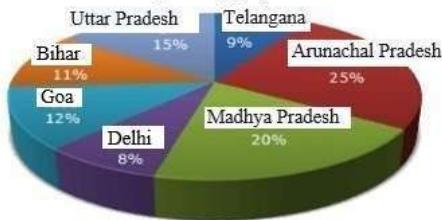
Question ID : 26433063933
Status : **Not Answered**
Chosen Option : **--**

Q.19 Study the given graph and table and answer the following question.

Data of different states regarding population of states in the year 1998

Total population of the given states = 32760000

States	Sex and literacy wise Population Ratio			
	Sex		Literacy	
	M	F	Literate	Illiterate
Arunachal Pradesh	5	3	2	7
Madhya Pradesh	3	1	1	4
Delhi	2	3	2	1
Goa	3	5	3	2
Bihar	3	4	4	1
Uttar Pradesh	3	2	7	2
Telangana	3	4	9	4

What was the number of males in Bihar in the year 1998?

Ans ✗ 1. 1,34,450

✗ 2. 1,64,440

✗ 3. 1,44,440

✔ 4. 1,54,440

Question ID : 26433086278
Status : **Answered**
Chosen Option : **4**

Q.20 If $\frac{x}{8} + \frac{8}{x} = 1$, then the value of x^3 is:

Ans ✗ 1. -256

✔ 2. -512

✗ 3. 256

✗ 4. 512

Question ID : 26433066267
Status : **Answered**
Chosen Option : **2**

Q.21 A coconut tree swings with the wind in such a manner that the angle covered by its trunk is 18 degrees. If the topmost portion of the tree covers a distance of 44 metres, find the length of the tree.

Ans ✗ 1. 120 metres

✗ 2. 210 metres

✔ 3. 140 metres

✗ 4. 70 metres

Question ID : 26433075259
Status : **Answered**
Chosen Option : **3**

Q.22 The following table shows the exports of three companies P, Q and R from 2015 to 2019.

Company/years ⇨	2015	2016	2017	2018	2019
P	2000	1000	2000	3000	4000
Q	4000	5000	4000	5000	3000
R	3000	2000	4000	4000	5000

Which of the following years has the highest total exports from the three companies together?

Ans ✔ 1. 2019

✘ 2. 2017

✘ 3. 2015

✘ 4. 2016

Question ID : 26433080244
Status : **Answered**
Chosen Option : **1**

Q.23 If C_1, C_2 be the centres of two circles and r_1, r_2 be the respective radii such that the distance between the centres is equal to the sum of the radii of the two circles, find the number of common tangents.

Ans ✘ 1. 4

✘ 2. 2

✘ 3. 1

✔ 4. 3

Question ID : 26433065315
Status : **Answered**
Chosen Option : **3**

Q.24 $\dfrac{1 + \sin \theta}{\cos \theta}$ is equal to which of the following $\left(\text{where } \theta \neq \dfrac{\pi}{2}\right)$?

Ans ✘ 1. $\dfrac{1 + \cos \theta}{\sin \theta}$

✘ 2. $\dfrac{\tan \theta + 1}{\tan \theta - 1}$

✘ 3. $\dfrac{\tan \theta - 1}{\tan \theta + 1}$

✔ 4. $\dfrac{\cos \theta}{1 - \sin \theta}$
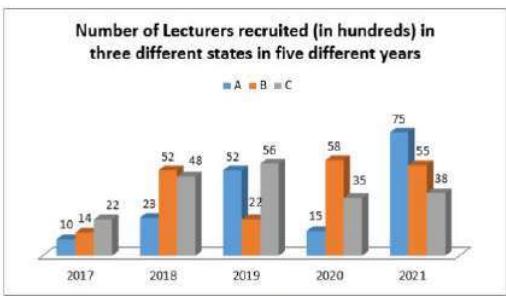
Question ID : 26433083074
Status : **Answered**
Chosen Option : **4**

Q.25 Study the given graph and answer the following question.

Number of Lecturers recruited (in hundreds) in three different states in five different years

If 35% of the lecturers recruited in state B in the year 2021 were male, what was the number of females recruited in state B in that year?

Ans ✖ 1. 3845

✔ 2. 3575

✖ 3. 3590

✖ 4. 5500

Question ID : 26433081481
Status : Answered
Chosen Option : 2

Section : **English Comprehension**

Q.1 Rearrange the parts of the sentence in correct order.
Peer pressure
P. when it comes to choosing the right
Q. course and, therefore, career path
R. and lack of guidance are some of
S. the reasons for indecisiveness

Ans ✖ 1. SPQR

✖ 2. QSPR

✔ 3. RSPQ

✖ 4. PQRS

Question ID : 264330104652
Status : Answered
Chosen Option : 4

Q.2 Select the most appropriate ANTONYM of the word 'STRANGE' from the given sentence.

The intriguing journal took a back place once more to the more mundane events at the Ouray inn.

Ans ✖ 1. Events

✖ 2. Intriguing

✔ 3. Mundane

✖ 4. Place

Question ID : 26433060704
Status : Answered
Chosen Option : 2

Q.3 Select the sentences that contains no spelling errors.

Ans ✗ 1. People suffering from edzema have allergies with red and itchy skin.

✗ 2. People suffering from ekzema have allergies with red and itchy skin.

✔ 3. People suffering from eczema have allergies with red and itchy skin.

✗ 4. People suffering from ekezema have allergies with red and itchy skin.

Question ID : **26433070688**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the option that expresses the given sentence in active voice.

Three novels and two story books had been written by him before 2020.

Ans ✗ 1. He has been writing three novels and two story books before 2020.

✗ 2. He had been writing three novels and two story books before 2020.

✔ 3. He had written three novels and two story books before 2020.

✗ 4. He wrote three novels and two story books before 2020.

Question ID : **26433091859**
Status : **Answered**
Chosen Option : **3**

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

Irrevocable

Ans ✗ 1. Unmediated

✗ 2. Congruent

✔ 3. Irreversible

✗ 4. Irresponsive

Question ID : **26433071776**
Status : **Answered**
Chosen Option : **3**

Q.6 Select the most appropriate option to fill in the blank.

The sergeant could not stand the weather because it was _____ cold.

Ans ✔ 1. bitterly

✗ 2. carefully

✗ 3. smoothly

✗ 4. cautiously

Question ID : **26433073792**
Status : **Answered**
Chosen Option : **1**

Q.7 The following sentence has been divided into segments. One of them may contain an error. Select the segment that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

No talking / on the dinner table / is an absolute rule.

Ans ✗ 1. No talking

✓ 2. No Error

✗ 3. on the dinner table

✗ 4. is an absolute rule.

Q.8 Select the most appropriate meaning of the underlined idiom.
The sailor tells great tales of adventure that you should take with a grain of salt.

Ans ✗ 1. Great admiration

✗ 2. Great patriotism

✓ 3. Not take too seriously

✗ 4. Be afraid to refrain from

Q.9 Rearrange the parts of the sentence in correct order.
Birds' heart, lungs and
P. uptake and intensive exertion compared
Q. to humans, which enables them to function
R. efficiently at these very high altitudes
S. muscles are more efficient for oxygen

Ans ✗ 1. QRPS

✗ 2. PRQS

✓ 3. SPQR

✗ 4. QSRP

Q.10 Select the option that can be used as a one-word substitute for the given group of words.

Something that is capable of being accomplished

Ans ✓ 1. Feasible

✗ 2. Untenable

✗ 3. Irrevocable

✗ 4. Eligible

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

They were preparing banners with different designs for the sports meet.

Ans ✔ 1. Banners were being prepared by them with different designs for the sports meet.

✘ 2. Banners have prepared by them with different designs for the sports meet.

✘ 3. Banners had been prepared by them with different designs for the sports meet.

✘ 4. Banners were prepared by them with different designs for the sports meet.

Q.12 Select the most appropriate meaning of the underlined idiom in the given sentence.

The anxious duke was found strolling in the garden <u>to and fro</u>.

Ans ✘ 1. From north to south

✘ 2. From west to east

✔ 3. Forward and backward

✘ 4. Upward and downward

Q.13 The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.
P. Basically, "smart farming" is applying information and data technologies for optimizing complex farming systems.
Q. With these tools, farmers can monitor field conditions without going to the field.
R. The focus is on access to data and how farmers can use the collected information intelligently.
S. The technology used in smart farming range from IoT and robotics to drones and AI.

Ans ✘ 1. RSQP

✘ 2. PQSR

✔ 3. PRSQ

✘ 4. SPQR

Q.14 Select the most appropriate ANTONYM of the given word.

Encourage

Ans ✘ 1. Boost

✘ 2. Inspire

✘ 3. Energise

✔ 4. Dishearten

Q.15 Select the option that can be used as a one-word substitute for the given group of words.

The scientific study of plants and their structure

Ans ✗ 1. Plantation

✗ 2. Environment

✗ 3. Biology

✓ 4. Botany

Question ID : **26433072803**
Status : **Answered**
Chosen Option : **4**

Q.16 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The number of students / attending their classes / are constantly decreasing / in our university.

Ans ✗ 1. The number of students

✗ 2. attending their classes

✗ 3. in our university

✓ 4. are constantly decreasing

Question ID : **26433088152**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the INCORRECTLY spelt word in the following sentence.
The problematic and convoluted situation concerning Rakhtim's job is likely to exhilarate in the forseeable future.

Ans ✗ 1. convoluted

✓ 2. forseeable

✗ 3. problematic

✗ 4. exhilarate

Question ID : **26433058614**
Status : **Answered**
Chosen Option : **2**

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

Appropriate

Ans ✗ 1. Transparent

✓ 2. Improper

✗ 3. Salient

✗ 4. Disturbing

Question ID : **26433060632**
Status : **Answered**
Chosen Option : **2**

Q.19 A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.

Kajol is one age-defying beauty and her sari collection is worth _____.

Ans ✅ 1. bookmarking

❌ 2. repudiating

❌ 3. flirting

❌ 4. renouncing

Q.20 Select the correct indirect form of the given sentence.

Ramita said, "I wish I didn't have to meet my step-mother."

Ans ❌ 1. Ramita said she wished she hadn't have to meet her step-mother.

❌ 2. Ramita said she wished she didn't meet her step-mother.

✅ 3. Ramita said she wished she didn't have to meet her step-mother.

❌ 4. Ramita said she wished hadn't met her step-mother.

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.

Music can improve mood, decrease pain and anxiety, and facilitate opportunities for emotional expression. Research (1)_____ that music can benefit our physical and mental health in numerous ways. Music can (2)_____ the brain's production of the hormone dopamine. This increased dopamine production helps (3)_____ feelings of anxiety and depression. Music is processed directly by the amygdala, which is the part of the brain (4)_____ in mood and emotions. By reducing stress levels and providing a strong competing stimulus to the pain (5)_____ that enter the brain, music therapy can assist in pain management.

SubQuestion No : 21

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

Ans ❌ 1. interprets

✅ 2. suggests

❌ 3. dreams

❌ 4. focuses

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.

Music can improve mood, decrease pain and anxiety, and facilitate opportunities for emotional expression. Research (1)_____ that music can benefit our physical and mental health in numerous ways. Music can (2)_____ the brain's production of the hormone dopamine. This increased dopamine production helps (3)_____ feelings of anxiety and depression. Music is processed directly by the amygdala, which is the part of the brain (4)_____ in mood and emotions. By reducing stress levels and providing a strong competing stimulus to the pain (5)_____ that enter the brain, music therapy can assist in pain management.

SubQuestion No : 22

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

Ans ✗ 1. provide

✗ 2. furnish

✗ 3. exhaust

✓ 4. boost

Question ID : **26433087897**
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.

Music can improve mood, decrease pain and anxiety, and facilitate opportunities for emotional expression. Research (1)_____ that music can benefit our physical and mental health in numerous ways. Music can (2)_____ the brain's production of the hormone dopamine. This increased dopamine production helps (3)_____ feelings of anxiety and depression. Music is processed directly by the amygdala, which is the part of the brain (4)_____ in mood and emotions. By reducing stress levels and providing a strong competing stimulus to the pain (5)_____ that enter the brain, music therapy can assist in pain management.

SubQuestion No : 23

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

Ans ✗ 1. intensify

✗ 2. amend

✗ 3. enhance

✓ 4. relieve

Question ID : **26433087898**
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.

Music can improve mood, decrease pain and anxiety, and facilitate opportunities for emotional expression. Research (1)_____ that music can benefit our physical and mental health in numerous ways. Music can (2)_____ the brain's production of the hormone dopamine. This increased dopamine production helps (3)_____ feelings of anxiety and depression. Music is processed directly by the amygdala, which is the part of the brain (4)_____ in mood and emotions. By reducing stress levels and providing a strong competing stimulus to the pain (5) _____ that enter the brain, music therapy can assist in pain management.

SubQuestion No : 24

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

Ans   ✔️ 1. involved

     ❌ 2. concerned

     ❌ 3. obsessed

     ❌ 4. accompanied

Question ID : **26433087899**
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.

Music can improve mood, decrease pain and anxiety, and facilitate opportunities for emotional expression. Research (1)_____ that music can benefit our physical and mental health in numerous ways. Music can (2)_____ the brain's production of the hormone dopamine. This increased dopamine production helps (3)_____ feelings of anxiety and depression. Music is processed directly by the amygdala, which is the part of the brain (4)_____ in mood and emotions. By reducing stress levels and providing a strong competing stimulus to the pain (5) _____ that enter the brain, music therapy can assist in pain management.

SubQuestion No : 25

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

Ans   ❌ 1. deter

     ✔️ 2. signals

     ❌ 3. deform

     ❌ 4. substance

Question ID : **26433087900**
Status : **Answered**
Chosen Option : **2**