Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 2 Bhauti
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

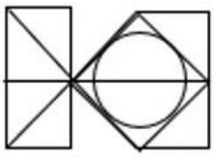
Question ID : **26433069005**
Status : **Marked For Review**
Chosen Option : **3**

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, ?

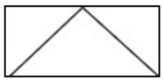
Ans
✗ 1. MJXY
✗ 2. MNRS
✓ 3. MXJY
✗ 4. MXYJ

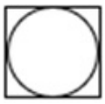
Question ID : **264330104835**
Status : **Not Answered**
Chosen Option : **--**

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



Ans

✗ 1. 

✗ 2. 

✓ 3.

✗ 4.

Question ID : **26433068722**
Status : **Answered**
Chosen Option : **3**

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

Question ID : **26433056586**
Status : **Answered**
Chosen Option : **2**

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

Question ID : **264330105110**
Status : **Answered**
Chosen Option : **1**

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

Question ID : **26433068550**
Status : **Answered**
Chosen Option : **2**

Q.9 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '6'.

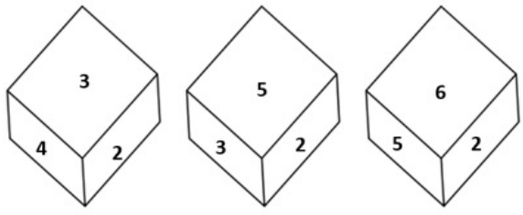


Figure 1 Figure 2 Figure 3

Ans
✗ 1. 5
✓ 2. 3
✗ 3. 2
✗ 4. 1

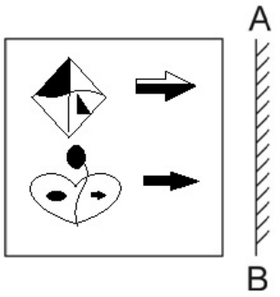
Question ID : **26433069433**
Status : **Answered**
Chosen Option : **2**

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

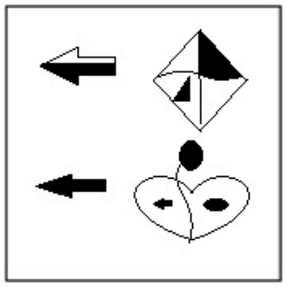
Question ID : **26433067814**
Status : **Answered**
Chosen Option : **2**

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

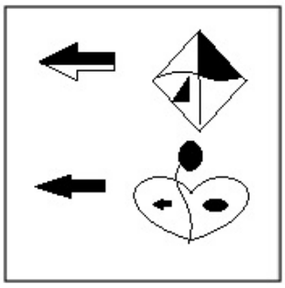


Ans

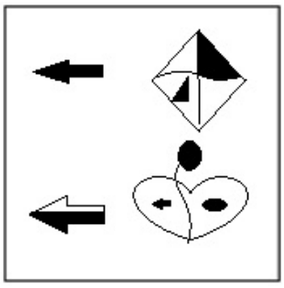
✔ 1.



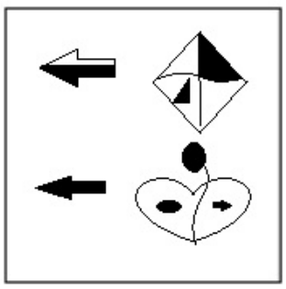
✗ 2.



✗ 3.



✗ 4.



Question ID : **26433070435**
Status : **Answered**
Chosen Option : **1**

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

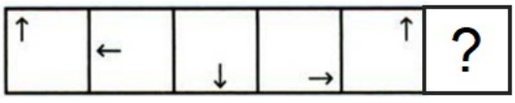
Question ID : **264330104942**
Status : **Answered**
Chosen Option : **3**

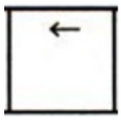
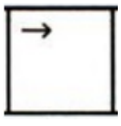
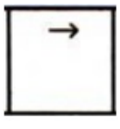
Q.17 **Which letter cluster will replace the question mark (?) to complete the given series?**
ABCD, EBCD, ?, OBCD, UBCD

Ans
✗ 1. JBCD
✗ 2. LBCD
✓ 3. IBCD
✗ 4. KBCD

Question ID : **26433059855**
Status : **Answered**
Chosen Option : **3**

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. 

Question ID : **26433080504**
Status : **Answered**
Chosen Option : **1**

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

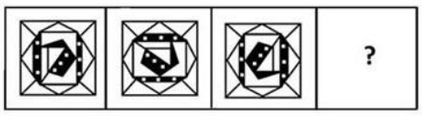
✗ 2. P – Q ÷ R

✓ 3. P – Q × R

✗ 4. P × Q – R

Question ID : **264330104969**
Status : **Answered**
Chosen Option : **3**

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



Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.

Question ID : **26433066043**
Status : **Answered**
Chosen Option : **2**

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

Question ID : **26433063974**
Status : **Answered**
Chosen Option : **1**

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

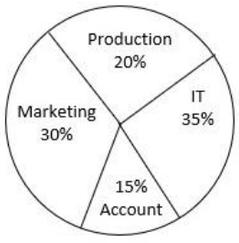
✘ 2. 65

✔ 3. 75

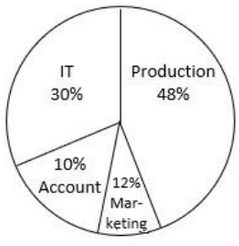
✘ 4. 69

Question ID : **26433066296**
Status : **Answered**
Chosen Option : **3**

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

Question ID : **26433081455**
Status : **Not Answered**
Chosen Option : **--**

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

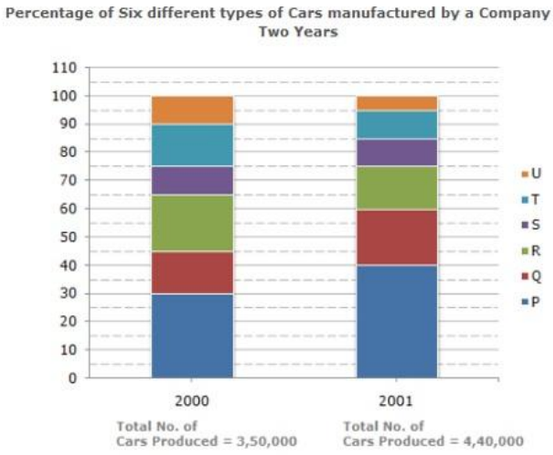
✘ 2. 2004

✘ 3. 2006

✘ 4. 2005

Question ID : **26433076319**
Status : **Answered**
Chosen Option : **1**

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.



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

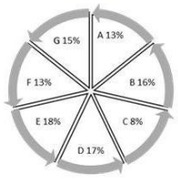
Question ID : **26433086275**
Status : **Answered**
Chosen Option : **4**

Q.8 If $\sec A = \frac{5}{4}$, then the value of $\frac{\tan A}{1+\tan^2 A} - \frac{\sin A}{\sec A}$ is:

Ans
✗ 1. 2
✗ 2. 1
✓ 3. 0
✗ 4. 3

Question ID : **26433062672**
Status : **Answered**
Chosen Option : **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

Question ID : **26433079791**
Status : **Answered**
Chosen Option : **1**

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. $36x^2 + 87x - 49 = 0$

Question ID : **26433066339**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

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

Question ID : **26433065285**
Status : **Answered**
Chosen Option : **3**

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

Question ID : **26433079957**
Status : **Answered**
Chosen Option : **2**

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

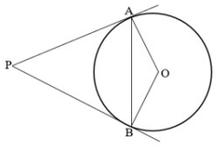
✓ 2. 192 cm

✗ 3. 166 cm

✗ 4. 224 cm

Question ID : **264330105846**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.18 In the given figure, if PA and PB are tangents to the circle with centre O such that ∠APB = 54°, then ∠OBA = ____.



Ans

✓ 1. 27°

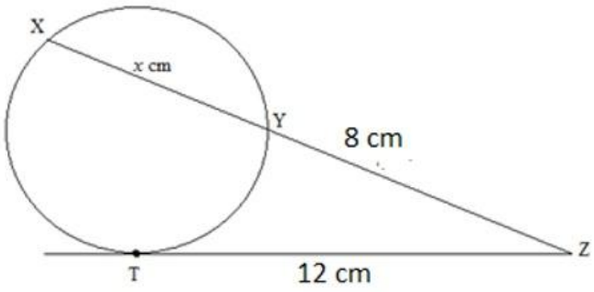
✗ 2. 40°

✗ 3. 30°

✗ 4. 35°

Question ID : **26433080233**
Status : **Answered**
Chosen Option : **1**

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

Question ID : **26433079980**
Status : **Answered**
Chosen Option : **4**

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 not to be affected by the pleasures and pains of life.

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 guile.

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 warned on 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 in black and white.

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**