Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Exam Date	25/07/2023
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2023

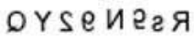
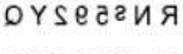
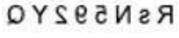
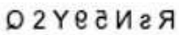
Section : **General Intelligence and Reasoning**

Q.1 **Which of the following interchanges of signs would make the given equation correct?**
162 ÷ 3 + 5 × 6 – 2 = 274

Ans
✗ 1. + and –
✗ 2. ÷ and x
✗ 3. – and ÷
✓ 4. + and ×

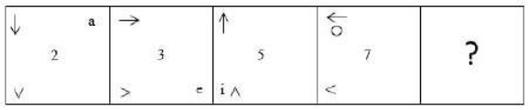
Question ID : **264330114245**
Status : **Answered**
Chosen Option : **4**

Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

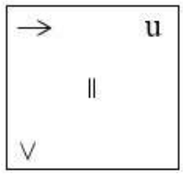
Ans
✗ 1. 
✗ 2. 
✓ 3. 
✗ 4. 

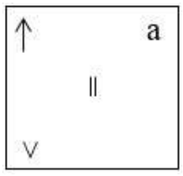
Question ID : **264330103142**
Status : **Answered**
Chosen Option : **3**

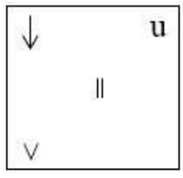
Q.3 Select the figure from among the given options that can replace the question mark (?) in the following series.

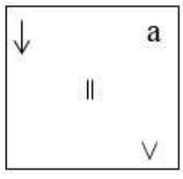


Ans

✗ 1.


✗ 2.


✓ 3.


✗ 4.


Question ID : **26433085383**
Status : **Answered**
Chosen Option : **3**

Q.4 **Select the set in which the numbers are related in the same way as are the numbers of the given sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(12, 5, 29)
(19, 12, 50)

Ans

✗ 1. (8, 15, 21)

✗ 2. (16, 12, 34)

✓ 3. (15, 14, 44)

✗ 4. (17, 11, 55)

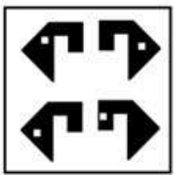
Question ID : **26433057090**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.5 Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

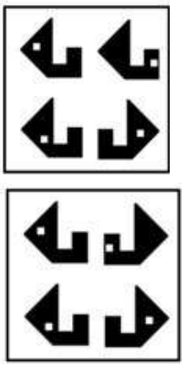
Problem figure:

Ans

✗ 1.



✗ 2.



✓ 3.

✗ 4.

Question ID : **26433067412**
Status : **Answered**
Chosen Option : **3**

Q.6 **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.**
16 : 144 :: 22 : ? :: 14 : 112

Ans

✗ 1. 244

✗ 2. 246

✓ 3. 264

✗ 4. 266

Question ID : **26433078946**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.7 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**

1. Canvas
2. Candidly
3. Canteen
4. Canopy
5. Cannibal
6. Cancer

Ans

✗ 1. 6, 5, 2, 4, 3, 1

✓ 2. 6, 2, 5, 4, 3, 1

✗ 3. 6, 2, 5, 3, 4, 1

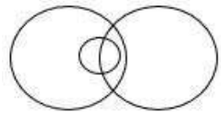
✗ 4. 5, 2, 6, 4, 1, 3

Question ID : **264330132172**
Status : **Answered**
Chosen Option : **2**

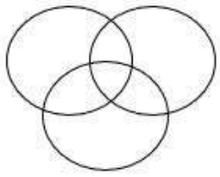
Q.8 **Select the Venn diagram that best represents the relationship between the following classes.**
Insects, Animals, Poisonous

Ans

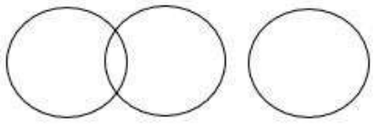
✓ 1.



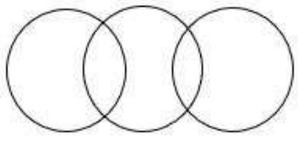
✗ 2.



✗ 3.



✗ 4.



Question ID : **26433085685**
Status : **Answered**
Chosen Option : **4**

Q.9 **Sonal's brother's paternal grandmother, named Seeta, is coming to Sonal's party with her only son. How is Seeta's son related to Sonal?**

Ans

✓ 1. Father

✗ 2. Paternal grandfather

✗ 3. Son

✗ 4. Brother

Question ID : **264330118665**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.**
ST_FIR_STNF_ RGSTN_IRG_ _NFI_G

Ans

✗ 1. NGSFITR

✗ 2. NGFISRT

✓ 3. NGIFSTR

✗ 4. NGISFRT

Question ID : **264330131039**
Status : **Answered**
Chosen Option : **3**

Q.11 **In a certain code language, 'STRAIGHT' is written as 'UVTCUIHJ', 'SURVIVAL' is written as 'UWTXMBWJ'. How will 'TAKEOVER' be written in that language?**

Ans

✗ 1. VCMGSHXP

✗ 2. VCMHSGWP

✓ 3. VCMGSFWP

✗ 4. VCMGTFVP

Question ID : **26433091591**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.12 **In a certain code language, 'WINTER' is coded as XJXQKX and 'AUTUMN' is coded as TRYWWB. How will 'SEASON' be coded in the same language?**

Ans

✗ 1. RTXCTT

✗ 2. TRXCGT

✗ 3. TGDWTT

✓ 4. TTWDGT

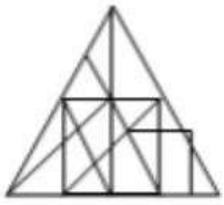
Question ID : **264330132218**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

(X)

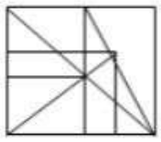
Ans

✔ 1.

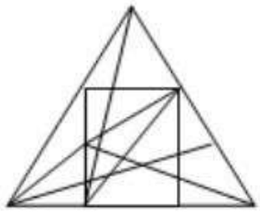


✘ 2.

✘ 3.



✘ 4.



Question ID : **26433068896**
Status : **Answered**
Chosen Option : **1**

Q.14 **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.**
GIST: FEHGRQSR :: DUCK: CBTSBAJI :: LOPE: ?

Ans

✔ 1. KJNMONDC

✘ 2. KONDCJNM

✘ 3. KMONDCJN

✘ 4. KMONDCNM

Question ID : **26433056282**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the correct combination of mathematical signs to sequentially fill in the boxes and to balance the given equation.

12 ☐ 8 ☐ 3 ☐ 2 ☐ 5 ☐ 1 ☐ 5 ☐ 10

Ans
✗ 1. −, +, ×, ×, ÷, ×, =
✗ 2. ×,−, +, ×, ÷, ×, =
✗ 3. ×, ÷, ×, ×, =,−, +
✓ 4. −, +, ×, ÷, ×, ×, =

Question ID : **264330104006**
Status : **Answered**
Chosen Option : **4**

Q.16 **Three of the following four triads are alike in a certain way as they are formed by performing same mathematical operations among themselves and thus form a group. Which triad does NOT belong to that group?**

Ans
✗ 1. 24 : 25 : 5
✓ 2. 35 : 36 : 6
✗ 3. 8 : 15 : 3
✗ 4. 3 : 10 : 2

Question ID : **264330143696**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.17 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans
✗ 1. EHV
✗ 2. BEY
✓ 3. JMP
✗ 4. GJT

Question ID : **26433092558**
Status : **Answered**
Chosen Option : **3**

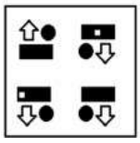
Q.18 **Which of the following numbers will replace the question mark (?) in the given series? 32, ? , 44, 56, 72, 92**

Ans
✗ 1. 34
✓ 2. 36
✗ 3. 38
✗ 4. 40

Question ID : **26433090924**
Status : **Answered**
Chosen Option : **2**

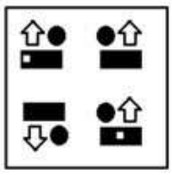
Q.19 Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure:

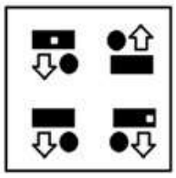


Ans

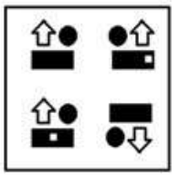
✗ 1.



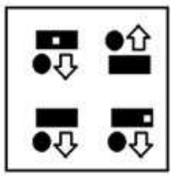
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433067419**
Status : **Answered**
Chosen Option : **2**

Q.20 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /Subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(10, 5, 52)
(35, 7, 250)

Ans

✓ 1. (8, 4, 34)

✗ 2. (14, 8, 90)

✗ 3. (8, 9, 10)

✗ 4. (20, 5, 300)

Question ID : **26433089591**
Status : **Answered**
Chosen Option : **1**

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)
(4, 14, 56)
(6, 15, 90)

Ans
✗ 1. (8, 13, 106)
✗ 2. (9, 15, 125)
✗ 3. (7, 17, 118)
✓ 4. (7, 16, 112)

Question ID : **26433070229**
Status : **Answered**
Chosen Option : **4**

Q.22 **Which of the following terms will replace the question mark (?) in the given series?**
AXY, EZW, ICU, OHS, ?

Ans
✓ 1. UOQ
✗ 2. UPQ
✗ 3. UNQ
✗ 4. VOQ

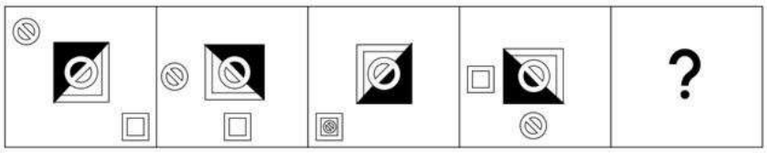
Question ID : **26433086944**
Status : **Answered**
Chosen Option : **1**

Q.23 **In a certain code language, if 'PDFJARS' is written as 'OCELZQR' and 'MHCXBTU' is written as 'LGBZAST', how will 'ZVDGENQ' be written in the same code language?**

Ans
✗ 1. XUYCIMP
✓ 2. YUCIDMP
✗ 3. XUCDEMQ
✗ 4. XVDEDNO

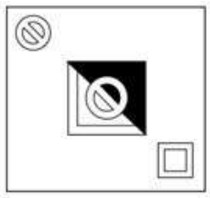
Question ID : **264330126657**
Status : **Answered**
Chosen Option : **2**

Q.24 **Select the figure that will come in place of the question mark (?) in the following figure series.**



Ans

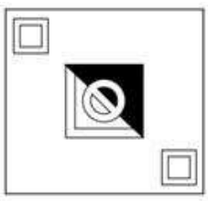
✗ 1.



✗ 2.

✓ 3.

✗ 4.

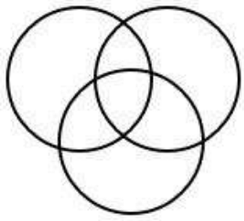


Question ID : **26433076562**
Status : **Answered**
Chosen Option : **3**

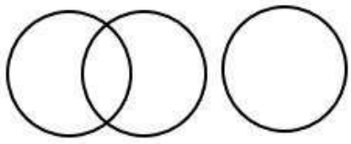
Q.25 **Select the Venn diagram that best illustrates the relationship between the following classes.**
Women, Sister, Wife

Ans

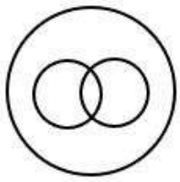
✗ 1.



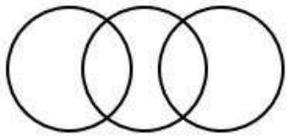
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433090918**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **Bramho Samaj was founded by whom?**

Ans

✓ 1. Raja Ram Mohan Roy

✗ 2. Keshab Chandra Sen

✗ 3. Debendranath Tagore

✗ 4. Dayanand Saraswati

Question ID : **264330109058**
Status : **Answered**
Chosen Option : **1**

Q.2 **Who among the following, along with her close associates, started the secret congress radio during the Quit India Movement?**

Ans

✗ 1. Bhikaiji Cama

✗ 2. Lakshmi Sehgal

✗ 3. Sarojini Naidu

✓ 4. Usha Mehta

Question ID : **264330130566**
Status : **Answered**
Chosen Option : **3**

Q.3 **Which Kushana ruler was famous in history as a great patron of Buddhism and organised the fourth Buddhist Council?**

Ans
✗ 1. Vasudeva I
✗ 2. Vima Kadphises
✓ 3. Kanishka
✗ 4. Huvishka

Question ID : **264330114068**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Akham Lakshmi Devi, a recipient of the Sangeet Natak Akademi award, is renowned for which of the following dances?**

Ans
✗ 1. Kathak
✗ 2. Odissi
✗ 3. Sattriya
✓ 4. Manipuri

Question ID : **26433055416**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Why can you not see objects in a dim lit room when you come from a brightly lit room?**

Ans
✗ 1. The iris dilates the eye lens to allow less light to enter the eye.
✓ 2. The iris contracts the pupil to allow less light to enter the eye.
✗ 3. The vitreous humour dilates the pupil to allow less light to enter the eye.
✗ 4. The cornea contracts the pupil to allow less light to enter the eye.

Question ID : **264330138721**
Status : **Answered**
Chosen Option : **2**

Q.6 **Guru Bipin Singh is associated with which of these dance forms?**

Ans
✗ 1. Kathak
✗ 2. Odissi
✓ 3. Manipuri
✗ 4. Kathakali

Question ID : **264330109292**
Status : **Answered**
Chosen Option : **1**

Q.7 **Which of the following is the correct duration of 'Financial Year 2022-23' in India?**

Ans
✗ 1. 1 January 2022 to 1 January 2023
✗ 2. 30 April 2022 to 1 March 2023
✗ 3. 30 April 2022 to 31 March 2023
✓ 4. 1 April 2022 to 31 March 2023

Question ID : **264330109575**
Status : **Answered**
Chosen Option : **4**

Q.8 **Which of the following pairs of countries are going to host 2022 FIVA Volleyball Women's World Championship?**

Ans
1. Poland and Slovenia
2. Poland and Netherlands
3. Belarus and Slovenia
4. Lithuania and Poland

Question ID : **264330106647**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **पारंपरिक भारतीय ऋतुओं के अनुसार, निम्नलिखित में से कौन-सी ऋतु नवम्बर-दिसम्बर के महीनों में आती है?**

Ans
1. शरद
2. शिशिर
3. हेमंत
4. वसंत

Question ID : **264330113280**
Status : **Answered**
Chosen Option : **2**

Q.10 **According to World Bank, what was the density of the population of Sri Lanka in 2020?**

Ans
1. 554 Persons per sq. km.
2. 300 Persons per sq. km.
3. 354 Persons per sq. km.
4. 364 Persons per sq. km.

Question ID : **26433079547**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **Which of the following is found in plant cells only?**

Ans
1. Cell membrane
2. Cell wall
3. Nucleolus
4. Mitochondria

Question ID : **26433066489**
Status : **Answered**
Chosen Option : **4**

Q.12 **Which Mughal ruler contributed to the revolt of 1857?**

Ans
1. Shahalam II
2. Bahadur shah I
3. Alamgir II
4. Bahadur shah II

Question ID : **264330114039**
Status : **Answered**
Chosen Option : **4**

Q.13 **Which of the following states presented the 'Child Budget' for the first time in March 2022 as a part of their annual financial plan?**

Ans
- ✗ 1. Andhra Pradesh
- ✓ 2. Madhya Pradesh
- ✗ 3. Uttar Pradesh
- ✗ 4. Arunachal Pradesh

Question ID : **26433090638**
Status : **Not Answered**
Chosen Option : **--**

Q.14 **Which of the following perennial rivers is 720 km long and originates in the Himalayas in flow through chamba of Himachal Pradesh?**

Ans
- ✗ 1. Saryu river
- ✗ 2. Yamuna river
- ✓ 3. Ravi river
- ✗ 4. Krishna river

Question ID : **26433055166**
Status : **Answered**
Chosen Option : **3**

Q.15 **The Rourkela steel plant was set up in collaboration with Germany in which state of India?**

Ans
- ✗ 1. Jharkhand
- ✗ 2. Bihar
- ✗ 3. Assam
- ✓ 4. Odisha

Question ID : **264330116457**
Status : **Answered**
Chosen Option : **4**

Q.16 **The Governor of an Indian state before entering upon his office takes an oath or affirmation before _____.**

Ans
- ✓ 1. the Chief Justice of the High Court exercising jurisdiction in relation to the State
- ✗ 2. the President of India
- ✗ 3. the Chief Minister of the concerned state
- ✗ 4. the Prime Minister of India

Question ID : **264330133083**
Status : **Answered**
Chosen Option : **1**

Q.17 **In 2022, the Government of India urged people to hoist or display the Tricolour in their homes from August _____to 15th to celebrate Independence Day.**

Ans
- ✗ 1. 12^{th}
- ✗ 2. 10^{th}
- ✓ 3. 13^{th}
- ✗ 4. 11^{th}

Question ID : **264330113177**
Status : **Answered**
Chosen Option : **3**

Q.18 **Which of the following combinations of "animal" and "area they found" is INCORRECT?**

Ans

✗ 1. Kangaroo – Australia

✓ 2. Orangutan – Caribbean islands

✗ 3. Ostrich – Savanna and desert regions,

✗ 4. Lemurs – Madagascar

Question ID : **264330110029**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **Who among the following is an exponent of the classical instrument, Santoor?**

Ans

✗ 1. Pandit Kumar Gandharva

✗ 2. Pandit Bhimsen Joshi

✗ 3. Pandit Ravi Shankar

✓ 4. Pandit Shivkumar Sharma

Question ID : **26433092375**
Status : **Answered**
Chosen Option : **4**

Q.20 **The given equation provides the property of the motion of an object, traversing a circular path. What is 'v' in this equation?**
$ac = v^2/R$

Ans

✗ 1. Distance

✗ 2. Surface area

✓ 3. Speed

✗ 4. Intensity

Question ID : **264330110042**
Status : **Answered**
Chosen Option : **3**

Q.21 **In hockey, _____ is awarded if the ball goes over the back line after last being touched by a defender.**

Ans

✓ 1. long corner

✗ 2. off side

✗ 3. free hit

✗ 4. penalty corner

Question ID : **264330120059**
Status : **Answered**
Chosen Option : **4**

Q.22 **The Social Justice and Empowerment Ministry of India, which caters to the welfare of the backward classes and those with disabilities, saw _____ increase in the allocation in the Union Budget 2022-23.**

Ans

✓ 1. 12%

✗ 2. 15%

✗ 3. 5%

✗ 4. 10%

Question ID : **26433081870**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **The term of trade refers to _____.**

Ans

✗ 1. the excess of import expenditures over export earnings

✗ 2. the trade agreements

✗ 3. the terms and conditions on which a country is offered loan

✓ 4. the ratio between export prices and import prices

Question ID : **264330109994**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **_____of the Constitution of India says that the State shall take steps to organise panchayats and endow them with such powers and authority as may be necessary to enable them to function as units of self-government.**

Ans

✗ 1. Article 35

✓ 2. Article 40

✗ 3. Article 38

✗ 4. Article 32

Question ID : **264330110798**
Status : **Answered**
Chosen Option : **2**

Q.25 **Which of the following is a Disability Screening Mobile App developed by NCERT launched in Delhi schools to screen students with suspected disabilities?**

Ans

✗ 1. SAMAGRA

✗ 2. VIDYAN

✓ 3. PRASHAST

✗ 4. SAMAGAM

Question ID : **264330137285**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 The length of the longest diagonal of a cube is $7\sqrt{3}$ cm. Find its volume (in cm^3).

Ans

✗ 1. $343\sqrt{3}$

✗ 2. $49\sqrt{3}$

✗ 3. 334

✓ 4. 343

Question ID : **264330103998**
Status : **Answered**
Chosen Option : **4**

Q.2 The mean proportional of $(a+b)(a-b)^3, (a+b)^3(a-b)$ is:

Ans
✔ 1. $(a+b)^2 (a-b)^2$
✘ 2. $(a+b)^2(a-b)$
✘ 3. $(a+b) (a-b)^2$
✘ 4. a^2-b^2

Question ID : **264330103725**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.3 **A group of college students had decided to complete a project in 10 days. As 2 students dropped out every day, the project got completed at the end of the 15th day. The number of students at the beginning of the project was:**

Ans
✔ 1. 42
✘ 2. 40
✘ 3. 35
✘ 4. 45

Question ID : **264330143487**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 **4 men, working together, can finish a work in 18 days. How many more men are required to finish the same work in 12 days?**

Ans
✘ 1. 4
✘ 2. 3
✔ 3. 2
✘ 4. 6

Question ID : **264330131471**
Status : **Answered**
Chosen Option : **3**

Q.5 **If cos(40° + x) = sin 30°, then the value of x is:**

Ans
✘ 1. 22°
✔ 2. 20°
✘ 3. 19°
✘ 4. 23°

Question ID : **26433075284**
Status : **Answered**
Chosen Option : **2**

Q.6 **Having started from the same point and at the same time, two runners – P and Q – are running around a circular track of length 500 m in opposite directions with the speeds of 6 m/s and 10 m/s, respectively. If they exchange their speeds after meeting for the first time, who will reach the starting point first?**

Ans
✘ 1. Q
✘ 2. P
✔ 3. Both P and Q will reach at the same time
✘ 4. No one of the P and Q

Question ID : **26433099013**
Status : **Answered**
Chosen Option : **2**

Q.7 **A cuboid with sides 4, 6 and 8 units is covered with paper. The paper is removed and a square is made from it. What is the side (in units) of the square?**

Ans
✗ 1. 12.24
✗ 2. 16.62
✓ 3. 14.42
✗ 4. 12.62

Question ID : **26433081749**
Status : **Marked For Review**
Chosen Option : **3**

Q.8 **S deposits a total of ₹50,000 in two accounts which give 8% and 12% simple interest annually, respectively. After one year, he gets a total ₹5,200. How much money does he deposit in the account with a 12% interest rate?**

Ans
✓ 1. ₹30,000
✗ 2. ₹32,000
✗ 3. ₹20,000
✗ 4. ₹25,000

Question ID : **264330112101**
Status : **Answered**
Chosen Option : **1**

Q.9 Study the given table and answer the question that follows.

The table represents the expenditure of a company (in thousand rupees) per annum over the given year.

Year	Expenditure			
	Salary	Transport	Interest	Tax
2018	200	90	3	80
2019	250	100	2.5	100
2020	300	120	3	70
2021	350	130	3.5	80

What is the average amount of salary per year, which the company has to pay during these four years?

Ans
✗ 1. ₹2,80,000
✗ 2. ₹3,00,000
✗ 3. ₹2,00,000
✓ 4. ₹2,75,000

Question ID : **264330126205**
Status : **Answered**
Chosen Option : **4**

Q.10 **Tarun owned a plot of land having an area that was 10% more than the area of the plot owned by Basab, while the area of the plot of land owned by Nakul was 40% more than the area of the plot owned by Tarun. If the area of the plot owned by Nakul was 2695 square feet, what was the area (in square feet) of the plot owned by Basab?**

Ans
✓ 1. 1750
✗ 2. 1740
✗ 3. 1780
✗ 4. 1800

Question ID : **264330103248**
Status : **Answered**
Chosen Option : **1**

Q.11 Simplify the expression $\frac{s^2+t^2+2st-u^2}{s^2-t^2-2tu-u^2}$, provided $(s+t+u) \neq 0$.

Ans
✔ 1. $\frac{s+t-u}{s-t-u}$
✘ 2. $\frac{s+t+u}{s-t+u}$
✘ 3. $\frac{s-t-u}{s+t-u}$
✘ 4. $\frac{s-t+u}{s+t+u}$

Question ID : **264330124000**
Status : **Answered**
Chosen Option : **1**

Q.12 **Find (1 / sinθ) – sinθ.**

Ans
✔ 1. Cosθ cotθ
✘ 2. cosθ secθ
✘ 3. cosθ cosecθ
✘ 4. cosθ tanθ

Question ID : **264330129969**
Status : **Answered**
Chosen Option : **1**

Q.13 **A shopkeeper purchased 1600 mangos at the rate of ₹120 per dozen. Out of these, he sold 900 mangoes at ₹15 per mango and the remaining mangoes at ₹14 per mango. His gain percentage is:**

Ans
✔ 1. 45.625%
✘ 2. 38.265%
✘ 3. 35.625%
✘ 4. 48.765%

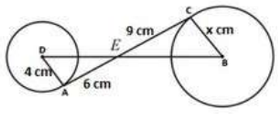
Question ID : **26433082375**
Status : **Answered**
Chosen Option : **1**

Q.14 **A thief steals an item and escapes, running at a speed of 15 km/h. A policeman arrives at the spot of the crime after 4 minutes and immediately starts chasing the thief. 16 minutes after the policeman started to chase the thief; there is still a gap of 200 m between the two. At what distance from the spot of the crime will the policeman catch up the thief and what is the speed (in km/h) of the policeman?**

Ans
✘ 1. 5.5 km; 16.5
✔ 2. 6 km; 18
✘ 3. 6.5 km; 19.5
✘ 4. 5 km; 15

Question ID : **264330143473**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

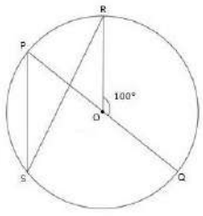
Q.15 In the following figure, the circles with centres B and D have radii 4 cm and x cm, respectively. AC is a tangent to both the circles. Find the value of x.



Ans
- ✔ 1. 6
- ✘ 2. 3
- ✘ 3. 7
- ✘ 4. 5

Question ID : **26433083007**
Status : **Answered**
Chosen Option : **1**

Q.16 In the figure given below, PQ is the diameter of the circle with centre O. If ∠QOR = 100° then the measure of ∠PSR is:



Ans
- ✘ 1. 160°
- ✘ 2. 80°
- ✔ 3. 40°
- ✘ 4. 100°

Question ID : **26433072979**
Status : **Marked For Review**
Chosen Option : **3**

Q.17 If $(a + b - c) = 20$, and $a^2 + b^2 + c^2 = 152$, find the value of $a^3 + b^3 - c^3 + 3abc$.

Ans
- ✘ 1. 480
- ✘ 2. 720
- ✘ 3. 640
- ✔ 4. 560

Question ID : **264330101354**
Status : **Answered**
Chosen Option : **4**

Q.18 A 40-litre mixture contains 25% alcohol and 75% water. If 10 litres of water are added to the mixture, the percentage of alcohol in the new mixture is:

Ans
- ✘ 1. 27%
- ✘ 2. 18%
- ✔ 3. 20%
- ✘ 4. 25%

Question ID : **264330103514**
Status : **Answered**
Chosen Option : **3**

Q.19 The following bar chart shows the vends of foreign direct investment (FDI) into India from all over the world.

What was the average of India's FDI over the years 1992 - 1997?

Ans
- ✗ 1. 15.2
- ✗ 2. 15.7
- ✓ 3. 15.6
- ✗ 4. 15.5

Question ID : **26433096372**
Status : **Answered**
Chosen Option : **3**

Q.20 **The marked price of a microwave oven is ₹15,990 and it is sold for ₹12,792. What is the rate of discount offered?**

Ans
- ✗ 1. 25%
- ✓ 2. 20%
- ✗ 3. 21%
- ✗ 4. 24%

Question ID : **264330103958**
Status : **Answered**
Chosen Option : **2**

Q.21 **- 7p - [3q - {8p - (4q - 10p)}] = ?**

Ans
- ✗ 1. 7p - 11q
- ✓ 2. 11p - 7q
- ✗ 3. 9p - 12q
- ✗ 4. 12p - 9q

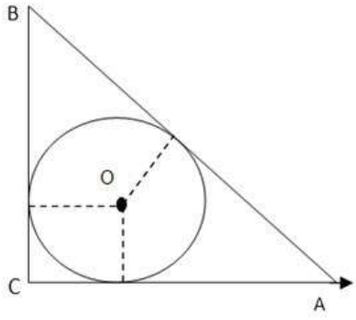
Question ID : **264330143476**
Status : **Answered**
Chosen Option : **2**

Q.22 **20 women and 15 men together can complete a work in 6 days. It takes 150 days for a single woman to complete the work. In how many days can a single man complete the work?**

Ans
- ✓ 1. 450
- ✗ 2. 225
- ✗ 3. 350
- ✗ 4. 210

Question ID : **264330112235**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.23 A circle of radius 4 cm is drawn inscribed in a right angle triangle ABC, right angled at C. If AC = 12 cm, then the value of CB is:



Ans
- ✗ 1. 8 cm
- ✗ 2. 12 cm
- ✗ 3. 20 cm
- ✓ 4. 16 cm

Question ID : **264330143605**
Status : **Answered**
Chosen Option : **4**

Q.24 **Which of the following numbers is divisible by 44?**

Ans
- ✗ 1. 32802
- ✓ 2. 54736
- ✗ 3. 93472
- ✗ 4. 27048

Question ID : **264330131116**
Status : **Answered**
Chosen Option : **2**

Q.25 Simplify the expression $\frac{\sqrt{x}-\sqrt{y}}{\sqrt{x}+\sqrt{y}}$, where $x = 2$ and $y = 3$.

Ans
- ✗ 1. $2\sqrt{6}-6$
- ✗ 2. $\sqrt{6}-5$
- ✗ 3. $5-2\sqrt{6}$
- ✓ 4. $2\sqrt{6}-5$

Question ID : **264330122109**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 **Select the most appropriate meaning of the given idiom.**
You snooze, you lose

Ans
✗ 1. If you oversleep, you are likely to lose a job
✗ 2. Laziness is not good
✗ 3. You may lose your money if snoozing is not stopped
✓ 4. If you are not alert, you are likely to miss opportunities.

Question ID : **264330101302**
Status : **Answered**
Chosen Option : **4**

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

Stories of dolphins' saving human lives _____ throughout history.

Ans
✗ 1. have been said
✗ 2. told
✓ 3. have been told
✗ 4. had been said

Question ID : **26433072723**
Status : **Answered**
Chosen Option : **3**

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

Ans
✗ 1. Vibrant
✓ 2. Vanished
✗ 3. Active
✗ 4. Living

Question ID : **26433086428**
Status : **Answered**
Chosen Option : **2**

Q.4 **Select the most appropriate synonym of the given word.**

Glorify

Ans
✗ 1. Simplify
✗ 2. Stupefy
✓ 3. Praise
✗ 4. Strengthen

Question ID : **26433089343**
Status : **Answered**
Chosen Option : **3**

Q.5 **Select the grammatically correct sentence.**

Ans
✓ 1. It was a hectic day for Susan with a lot of purchases and a couple of meetings.
✗ 2. It was a hectic day for Susan with the lot of purchase and a couple of meetings.
✗ 3. It was a hectic day for Susan with the lot of purchase and an couple of meetings.
✗ 4. It was the hectic day for Susan with a lot of purchase and the couple of meetings.

Question ID : **26433089307**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the option that expresses the given sentence in passive voice.**

Each member of the literary club submitted various literary works for the magazine.

Ans
✗ 1. Various literary works had been submitted by each member of the literary club for the magazine.

✗ 2. Various literary works are submitted by each member of the literary club for the magazine.

✓ 3. Various literary works were submitted by each member of the literary club for the magazine.

✗ 4. Various literary works were being submitted by each member of the literary club for the magazine.

Question ID : **264330141536**
Status : **Answered**
Chosen Option : **3**

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

_____ are words which have the same spelling or pronunciation but not the same meaning.

Ans
✗ 1. Acronyms

✓ 2. Homonyms

✗ 3. Synonyms

✗ 4. Antonyms

Question ID : **26433073405**
Status : **Marked For Review**
Chosen Option : **1**

Q.8 **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. Through the development of technologies, telecommunications, transportation, and other areas, globalisation has developed very quickly in the last few decades, resulting in economic, social, political, and cultural integration on a global scale.
B. Although technology has had both positive and harmful effects on human life, its negative repercussions must be addressed appropriately.
C. Globalisation has made significant positive contributions to economies all across the world.
D. For example — Science and technology have made remarkable strides, providing businesses with a fantastic opportunity to expand quickly even outside of national borders.

Ans
✓ 1. ACDB

✗ 2. BCDA

✗ 3. ACBD

✗ 4. CDBA

Question ID : **264330117140**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the most appropriate ANTONYM of the given word.**

Absurd

Ans
✓ 1. Sensible

✗ 2. Tolerable

✗ 3. Adorable

✗ 4. Lovable

Question ID : **26433058314**
Status : **Answered**
Chosen Option : **2**

Q.10 **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. Ashwagandha is an adaptogenic herb that has multiple benefits like improving thyroid functioning and reducing blood sugar levels.
B. But remember to consult a specialist while deciding the dosage and duration of continued intake.
C. It relaxes the nervous system and lowers cortisol (stress hormone) levels in the blood, thus making you feel calm and relaxed overall.
D. You can consume Ashwagandha powder or Ashwagandha capsules.

Ans
✗ 1. ADBC
✗ 2. DABC
✓ 3. ACDB
✗ 4. ADCB

Question ID : **264330143879**
Status : **Answered**
Chosen Option : **4**

Q.11 **Select the most appropriate ANTONYM of the underlined word.**
Her parents <u>forbade</u> her to marry her lover.

Ans
✗ 1. prevented
✗ 2. refused
✗ 3. declined
✓ 4. allowed

Question ID : **264330122969**
Status : **Answered**
Chosen Option : **4**

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

Too strong to be defeated or changed

Ans
✓ 1. Invincible
✗ 2. Headstrong
✗ 3. Vigorous
✗ 4. Sovereign

Question ID : **26433088191**
Status : **Answered**
Chosen Option : **1**

Q.13 **Select the option that expresses the given sentence in passive voice.**
You have adopted the plan.

Ans
✗ 1. The plan should be adopted by you.
✗ 2. The plan is adopted by you.
✗ 3. The plan has being adopted by you.
✓ 4. The plan has been adopted by you.

Question ID : **264330141131**
Status : **Answered**
Chosen Option : **4**

Q.14 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Anxiety
✗ 2. Preparation
✗ 3. Voluntary
✓ 4. Stetionery

Question ID : **26433098998**
Status : **Answered**
Chosen Option : **4**

Q.15 **Select the most appropriate meaning of the given idiom.**

Out of the blue

Ans
✗ 1. Undoubtedly
✓ 2. Unexpectedly
✗ 3. Unbelievably
✗ 4. Unconcerned

Question ID : **26433089006**
Status : **Answered**
Chosen Option : **2**

Q.16 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
The doctor came / after the patient / had / pass away.

Ans
✗ 1. The doctor came
✓ 2. pass away
✗ 3. after the patient
✗ 4. had

Question ID : **26433086454**
Status : **Answered**
Chosen Option : **2**

Q.17 **Select the most appropriate option to fill in the blank.**
We _____ off old clothes and bought new ones for Diwali.

Ans
✗ 1. cost
✗ 2. coast
✗ 3. caste
✓ 4. cast

Question ID : **264330117191**
Status : **Answered**
Chosen Option : **4**

Q.18 **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. Louis was enthralled by the concept of a raised dots system.
B. He made up his mind to use the technique to represent an alphabetic code.
C. Blind persons could read large-letter books that are bulky with the aid of this alphabet code.
D. Additionally, he developed the six-dot cell technology, which was at his fingertips.

Ans
✗ 1. DCAB
✗ 2. BCDA
✓ 3. ABCD
✗ 4. CDBA

Question ID : **26433098143**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Felicitate
✓ 2. Cotarminous
✗ 3. Ambient
✗ 4. Announce

Question ID : **26433091744**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.20 **Select the most appropriate synonym of the underlined word.**

The boxer showed audacity by agreeing to fight the champion.

Ans
✗ 1. Honesty
✗ 2. Desperation
✓ 3. Courage
✗ 4. Reparation

Question ID : **26433091818**
Status : **Marked For Review**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 21

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

Ans
✔ 1. increasing
✘ 2. strengthening
✘ 3. shining
✘ 4. developing

Question ID : **264330132837**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 22

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

Ans
✘ 1. catered
✘ 2. catering
✘ 3. has catered
✔ 4. caters

Question ID : **264330132838**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 23

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

Ans
✗ 1. political
✗ 2. public
✓ 3. personal
✗ 4. personnel

Question ID : **264330132839**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 24

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

Ans
✗ 1. grand
✗ 2. weighty
✓ 3. massive
✗ 4. bulk

Question ID : **264330132840**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The massive ransomware attack that has crippled e-hospital services of AIIMS, Delhi, highlights the (1) _____ vulnerability of the country's healthcare infrastructure, and possibly other critical IT systems, to cybercriminals. The premier public healthcare institute (2) _____ to around 15 lakh outpatients and 80,000 inpatients every year. Consequently, there are fears that the attackers could sell the now force-encrypted AIIMS databases that contain (3) _____ information of patients-including political leaders, senior administrators, and judges, and their healthcare records on the Dark Web. Of course, what has happened to AIIMS is hardly a local phenomenon. A (4) _____ increase in cyberattacks on healthcare institutes worldwide (5) _____ during the Covid pandemic. The Indian healthcare sector was the second-most targeted globally. It is clear that Indian hospitals are vulnerable to cybersecurity. Government and hospitals need to use best practices to ward off future crises.

SubQuestion No : 25

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

Ans

✗ 1. has witnessed

✗ 2. is witnessed

✗ 3. was witness

✓ 4. has been witnessed

Question ID : **264330132841**
Status : **Answered**
Chosen Option : **1**