Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Exam Date	25/07/2023
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **In a certain code language, 'MOBILE' is coded as BJFZLK and 'TABLET' is coded as QCIZXR. How will 'KINDLE' be coded in the same language?**

Ans
- ✔ 1. BJALFI
- ✘ 2. BJBKFI
- ✘ 3. CIBKGC
- ✘ 4. CJBLGI

Question ID : **264330132213**
Status : **Answered**
Chosen Option : **1**

Q.2 **Which letter-cluster will replace the question mark (?) to complete the given series?**
BAWP, ?, DWCH, EUFD, FSIZ

Ans
- ✔ 1. CYZL
- ✘ 2. CZYL
- ✘ 3. CLZY
- ✘ 4. CYZH

Question ID : **26433076669**
Status : **Answered**
Chosen Option : **1**

Q.3 **Which two signs and two numbers should be interchanged to make the following equation correct?**
840 ÷ 38 − 7 + 10 × 12 = 462

Ans
- ✘ 1. 12 and 10, ÷ and +
- ✔ 2. 12 and 38, × and –
- ✘ 3. 12 and 7, + and ×
- ✘ 4. 840 and 10, + and –

Question ID : **264330122145**
Status : **Answered**
Chosen Option : **2**

Q.4 **Which option represents the correct order of the given words as they would appear in an English dictionary?**
1 Typographical
2 Typologically
3 Typifications
4 Typicalness
5 Tyrannosaurus

Ans
✔ 1. 4, 3, 1, 2, 5
✘ 2. 5, 2, 1, 3, 4
✘ 3. 2, 3, 5, 1, 4
✘ 4. 2, 3, 5, 4, 1

Question ID : **264330102493**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.**
N M L _ J N _ L J J _ M L J _ N M _ J J

Ans
✔ 1. J M N J L
✘ 2. J N L M J
✘ 3. M N L J M
✘ 4. M N J L N

Question ID : **264330143732**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.**
9 * 16 * 64 * 8 * 2 * 9

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

Question ID : **26433068672**
Status : **Answered**
Chosen Option : **3**

Q.7 **A family got split and the children of R were left with R's maternal grandfather's only granddaughter's father. How is the person with whom the children are left with related to R?**

Ans
✘ 1. R's son
✘ 2. R's paternal grandfather
✘ 3. R's maternal grandfather
✔ 4. R's father

Question ID : **264330120540**
Status : **Answered**
Chosen Option : **4**

Q.8 **In a certain code language, 'BENT' is coded as '3198' and 'DEBT' is coded as '8316'. What is the code for 'N' in the given code language?**

Ans

✗ 1. 1

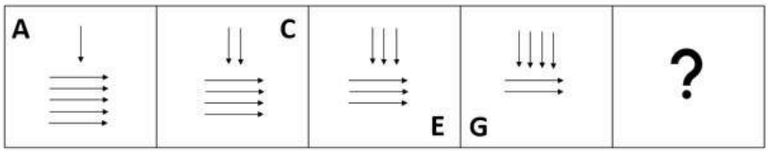
✓ 2. 9

✗ 3. 3

✗ 4. 8

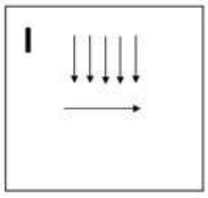
Question ID : **264330126011**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the figure that will come in place of the question mark (?) in the following figure series.

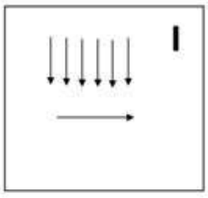


Ans

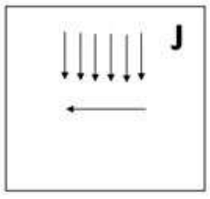
✓ 1.



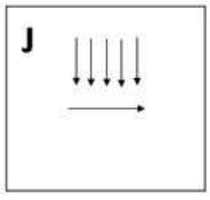
✗ 2.



✗ 3.



✗ 4.



Question ID : **26433076558**
Status : **Answered**
Chosen Option : **1**

Q.10 **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 number 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.)
(25, 150, 3)
(18, 180, 5)

Ans
✗ 1. (13,39,3)
✗ 2. (101,408,2)
✓ 3. (52,728,7)
✗ 4. (61,601,5)

Question ID : **264330114662**
Status : **Answered**
Chosen Option : **3**

Q.11 **If 31 January 2009 was a Saturday, then what was the day of the week on 30 January 2013?**

Ans
✗ 1. Tuesday
✓ 2. Wednesday
✗ 3. Monday
✗ 4. Friday

Question ID : **26433067250**
Status : **Answered**
Chosen Option : **1**

Q.12 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'.

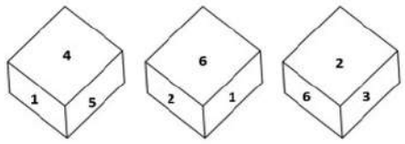
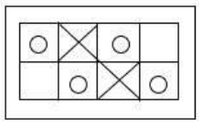


Figure 1 Figure 2 Figure 3

Ans
✗ 1. 5
✗ 2. 6
✗ 3. 2
✓ 4. 3

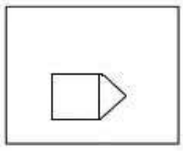
Question ID : **26433082886**
Status : **Answered**
Chosen Option : **4**

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

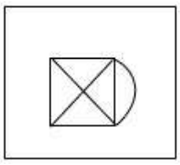


Ans

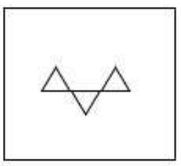
✔ 1.



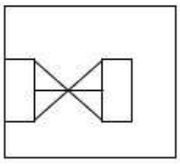
✘ 2.



✘ 3.



✘ 4.



Question ID : **26433090083**
Status : **Answered**
Chosen Option : **1**

Q.14 **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.**
7 : 35 :: 21 : 399 :: 4 : ?

Ans

✘ 1. 24

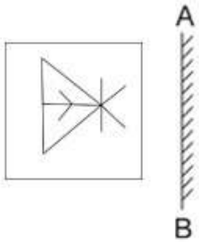
✘ 2. 20

✔ 3. 8

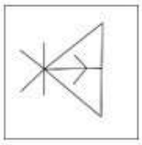
✘ 4. 12

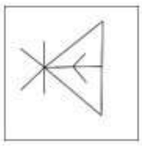
Question ID : **26433082447**
Status : **Answered**
Chosen Option : **3**

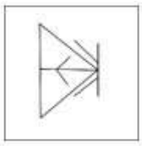
Q.15 **Select the correct mirror image of the given figure when the mirror is placed at AB.**

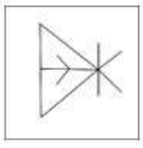


Ans

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

Question ID : **264330106450**
Status : **Answered**
Chosen Option : **2**

Q.16 **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.**
7 : 47 :: 11 : 119 :: 3 : ?

Ans

✗ 1. 14

✗ 2. 15

✗ 3. 11

✓ 4. 7

Question ID : **26433082448**
Status : **Answered**
Chosen Option : **4**

Q.17 **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.)**
Plant : Pot :: Fish : ?

Ans

✗ 1. Mud

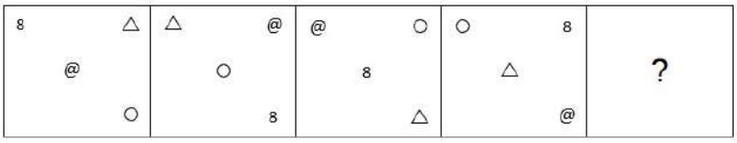
✗ 2. Sand

✗ 3. Stone

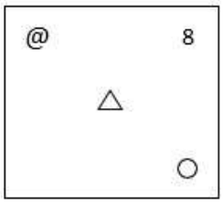
✓ 4. Aquarium

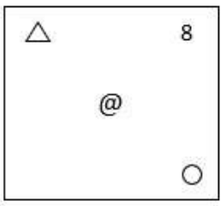
Question ID : **26433069135**
Status : **Answered**
Chosen Option : **4**

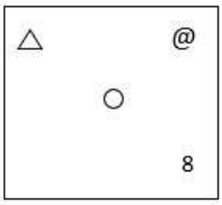
Q.18 Select the figure from among the given options that can replace the question mark (?) in the following series.

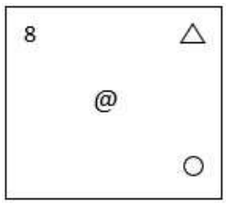


Ans

1. 

2. 

3. 

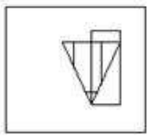
4. 

Question ID : **26433085382**
Status : **Answered**
Chosen Option : **4**

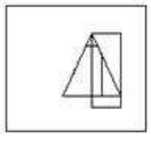
Q.19 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

Ans

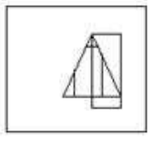
✗ 1.



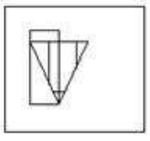
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433068185**
Status : **Answered**
Chosen Option : **3**

Q.20 **Which of the following numbers will replace the question mark (?) in the given series?**
57, 69, 88, 112, 150, 186, 243, ?

Ans

✗ 1. 286

✗ 2. 289

✓ 3. 291

✗ 4. 300

Question ID : **26433057560**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **In a certain code language, 'RELAX' is written as 'CPPZC' and 'STAKE' is written as 'RQEGM'. How will 'WINDS' be written in that language?**

Ans

✓ 1. GURUF

✗ 2. HUSVG

✗ 3. HURVG

✗ 4. GVSUF

Question ID : **264330131615**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **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.**
750 : 5 :: 384 : 4 :: 3072 : ?

Ans
✔ 1. 8
✘ 2. 9
✘ 3. 6
✘ 4. 7

Question ID : **26433085827**
Status : **Answered**
Chosen Option : **1**

Q.23 **The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs, EXCEPT one. Find that odd number pair.**

Ans
✘ 1. (21, 238)
✘ 2. (17, 194)
✘ 3. (13, 150)
✔ 4. (23, 270)

Question ID : **264330143673**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **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.)
Cow : Milk :: Sheep : ?

Ans
✔ 1. Wool
✘ 2. Baby
✘ 3. Silk
✘ 4. Clothes

Question ID : **26433087271**
Status : **Answered**
Chosen Option : **1**

Q.25 **In a family of four persons there is only one child. B is A's wife and D's daughter. If C is A's daughter, how is C related to D?**

Ans
✘ 1. Son's son
✔ 2. Daughter's daughter
✘ 3. Daughter
✘ 4. Son

Question ID : **264330120826**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 **Non-Tax revenue is part of _____.**

Ans

✗ 1. Revenue Expenditure

✓ 2. Revenue Receipts

✗ 3. Capital Expenditure

✗ 4. Capital Receipts

Question ID : **264330109356**
Status : **Answered**
Chosen Option : **2**

Q.2 **In which Biosphere Reserve is the largest endangered marine mammal Dugong i.e., Dugong dugon and sea turtles also found?**

Ans

✗ 1. Khangchendzonga Biosphere Reserve

✗ 2. Seshachalam Biosphere Reserve

✗ 3. Pachmarhi Biosphere Reserve

✓ 4. Gulf of Mannar Biosphere Reserve

Question ID : **264330113484**
Status : **Answered**
Chosen Option : **2**

Q.3 **Which year census is the 15th National census survey conducted by the Census Organisation of India?**

Ans

✗ 1. 1991

✗ 2. 2001

✗ 3. 1981

✓ 4. 2011

Question ID : **264330144087**
Status : **Answered**
Chosen Option : **4**

Q.4 **Which of the following is the only rack railway in India that was declared a UNESCO World Heritage Site in 2005?**

Ans

✓ 1. Nilgiri Mountain Railway

✗ 2. Kangra Valley Railway

✗ 3. Matheran Hill Railway

✗ 4. Kalka–Shimla Railway

Question ID : **264330111320**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **In which of the following sports, apart from volleyball, do players make use of the Screen technique?**

Ans

✓ 1. Basketball

✗ 2. Cricket

✗ 3. Baseball

✗ 4. Handball

Question ID : **26433059443**
Status : **Answered**
Chosen Option : **1**

Q.6 **Which player led India at the women's Hockey Asia Cup in Muscat, which was held in January 2022?**

Ans
- ✗ 1. Navneet Kaur
- ✗ 2. Rani Rampal
- ✗ 3. Susmita Patil
- ✓ 4. Savita Punia

Question ID : **26433090656**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **In how many agro-climatic zones has Tamil Nadu been classified?**

Ans
- ✗ 1. 3
- ✗ 2. 9
- ✓ 3. 7
- ✗ 4. 5

Question ID : **264330110100**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **The President of India _____ inaugurated Sangeet Natak Academi on 28 January 1953.**

Ans
- ✗ 1. Sarvpalli Radhakrishna
- ✗ 2. Mohammad Hidayatullah
- ✓ 3. Rajendra Prasad
- ✗ 4. Jakir Husain

Question ID : **26433074130**
Status : **Answered**
Chosen Option : **3**

Q.9 **In which year did Walther Flemming coined the term 'chromatin' for the stained substance found in the cell nucleus?**

Ans
- ✗ 1. 1900
- ✗ 2. 1840
- ✗ 3. 1849
- ✓ 4. 1879

Question ID : **264330110080**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **In which of the following Indian states, is Makar Sankranti celebrated by the name of 'Magha Saaji'?**

Ans
- ✗ 1. Punjab
- ✓ 2. Himachal Pradesh
- ✗ 3. Uttarakhand
- ✗ 4. Jharkhand

Question ID : **26433069909**
Status : **Answered**
Chosen Option : **2**

Q.11 **Who among the following was the flag bearer of the Indian contingent at the opening ceremony of the Asian Games 2018?**

Ans

✔ 1. Neeraj Chopra

✘ 2. Saina Nehwal

✘ 3. Bajrang Punia

✘ 4. PT Usha

Question ID : **264330118437**
Status : **Not Answered**
Chosen Option : **--**

Q.12 **Which is the largest Dun formations in India?**

Ans

✘ 1. Harike Dun

✘ 2. Nalagarh Dun

✘ 3. Kota Dun

✔ 4. Dehra Dun

Question ID : **264330110651**
Status : **Answered**
Chosen Option : **1**

Q.13 **What do you understand by 'dual citizenship' as in the case of the US?**

Ans

✘ 1. Citizenship of two states simultaneously with two countries

✔ 2. Citizenship of a country alongwith that of a constituent State, where one resides/born

✘ 3. Citizenship of two states alongwith two countries

✘ 4. Citizenship of two countries simultaneously

Question ID : **264330110121**
Status : **Answered**
Chosen Option : **2**

Q.14 **The first phase of the Green Revolution was restricted largely to two crops and the regions where they are grown. Which of the following pairs best represents these two crops?**

Ans

✘ 1. Rice, corn

✔ 2. Wheat, rice

✘ 3. Cotton, indigo

✘ 4. Millet, wheat

Question ID : **264330109109**
Status : **Answered**
Chosen Option : **2**

Q.15 **As per physicists and their major contributions/discoveries,Which of the following pair is INCORRECT?**

Ans

✘ 1. John Bardeen – Theory of superconductivity

✘ 2. Louis Victor de Broglie – Wavenature of matter

✘ 3. Victor Francis Hess – Cosmic radiation

✔ 4. Paul Dirac – Liquid helium

Question ID : **264330144056**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **In December 2022, who among the following was elected as the first woman President of Indian Olympic Association?**

Ans
- ✔ 1. PT Usha
- ✘ 2. Rajlaxmi Singh Deo
- ✘ 3. Karnam Malleswari
- ✘ 4. Dola Banarjee

Question ID : **264330133012**
Status : **Not Answered**
Chosen Option : **--**

Q.17 **What was the period of Harshavardhana's reign?**

Ans
- ✘ 1. 647 CE to 700 CE
- ✘ 2. 570 CE to 610 CE
- ✔ 3. 606 CE to 647 CE
- ✘ 4. 545 CE to 570 CE

Question ID : **264330114025**
Status : **Answered**
Chosen Option : **2**

Q.18 **Padma Bhushan awardee, Guru Vempati Chinna Satyam, was a renowned guru for which of the following classical dance forms?**

Ans
- ✘ 1. Kathakali
- ✘ 2. Kathak
- ✘ 3. Odissi
- ✔ 4. Kuchipudi

Question ID : **26433055418**
Status : **Answered**
Chosen Option : **4**

Q.19 **Famous dance personality Kelucharan Mohapatra is associated with which of these dance forms?**

Ans
- ✘ 1. Kathak
- ✘ 2. Bharatanatyam
- ✘ 3. Kathakali
- ✔ 4. Odissi

Question ID : **264330109291**
Status : **Answered**
Chosen Option : **4**

Q.20 **While historians use the term Vijayanagara Empire and contemporaries of this empire described it as the_____.**

Ans
- ✘ 1. Gajapati Samarajya
- ✔ 2. Karnataka Samrajyamu
- ✘ 3. Andhra Samarajyu
- ✘ 4. Sthalapati Samrajya

Question ID : **264330111382**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **Which Article of the Indian Constitution empowers the Supreme Court to review its own judgements or orders?**

Ans
- ✗ 1. Article 138
- ✗ 2. Article 135
- ✗ 3. Article 136
- ✓ 4. Article 137

Question ID : **264330114499**
Status : **Answered**
Chosen Option : **4**

Q.22 **For the political education of the people at the local level, who brought the resolution on local self-government?**

Ans
- ✓ 1. Lord Ripon
- ✗ 2. Lord Mayo
- ✗ 3. Lord Canning
- ✗ 4. Lord Lytton

Question ID : **264330109031**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **When was the International Day for Elder Persons 2021 celebrated?**

Ans
- ✓ 1. 1 October
- ✗ 2. 3 October
- ✗ 3. 4 October
- ✗ 4. 2 October

Question ID : **26433069807**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **Which of the following elements has variable valency?**

Ans
- ✓ 1. Iron
- ✗ 2. Sodium
- ✗ 3. Sulphur
- ✗ 4. Magnesium

Question ID : **26433064412**
Status : **Answered**
Chosen Option : **3**

Q.25 **The Hindu Mahasabha was founded as a response to muslim fundamentalism in which year?**

Ans
- ✗ 1. 1917
- ✓ 2. 1915
- ✗ 3. 1925
- ✗ 4. 1910

Question ID : **264330134592**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 **The cube of the sum of two given numbers is 1728, while the product of the two given numbers is 32. Find the positive difference between the cubes of the two given numbers.**

Ans

✔ 1. 448

✗ 2. 576

✗ 3. 480

✗ 4. 512

Question ID : **264330114557**
Status : **Answered**
Chosen Option : **1**

Q.2 **Simplify the following expression.**

$$\frac{x^2 - 2x - 63}{x^2 + 14x + 49}$$

Ans

✗ 1. $\frac{x+9}{x+7}$

✗ 2. $\frac{x-7}{x+7}$

✗ 3. $\frac{x+7}{x-7}$

✔ 4. $\frac{x-9}{x+7}$

Question ID : **264330145543**
Status : **Answered**
Chosen Option : **4**

Q.3

The value of $\sqrt{\frac{1+\cos\theta}{1-\cos\theta}}$ is:

Ans

✗ 1. $\sec\theta + \tan\theta$

✗ 2. $\operatorname{cosec}\theta - \cot\theta$

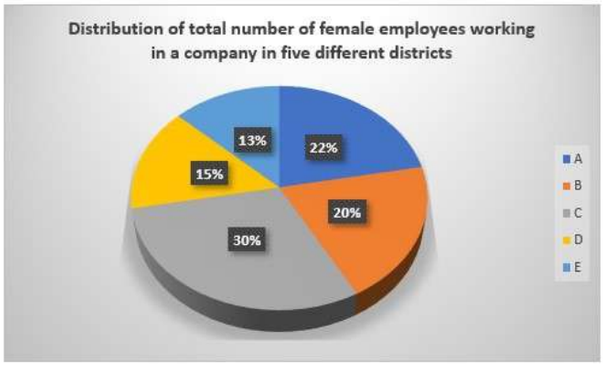
✔ 3. $\operatorname{cosec}\theta + \cot\theta$

✗ 4. $\sec\theta - \tan\theta$

Question ID : **26433075220**
Status : **Answered**
Chosen Option : **1**

Q.4 The pie chart below shows the distribution of female employees working in a company in five different districts (A, B, C, D and E).

Total number of female employees in five districts = 136000



What is the total number of female employees working in a company in district C and district D?

Ans
✔ 1. 61200
✘ 2. 62000
✘ 3. 62290
✘ 4. 61000

Question ID : **264330145021**
Status : **Answered**
Chosen Option : **1**

Q.5 **The difference between a discount of 40% and two successive discounts of 30% on a certain bill was ₹220. Find the amount of the bill (in ₹).**

Ans
✘ 1. 2200
✘ 2. 1100
✘ 3. 1000
✔ 4. 2000

Question ID : **264330104247**
Status : **Answered**
Chosen Option : **4**

Q.6 If $(y+\frac{1}{y})=4$, find the value of $(y^6+\frac{1}{y^6})$.

Ans
✔ 1. 2702
✘ 2. 2704
✘ 3. 4096
✘ 4. 2706

Question ID : **264330114538**
Status : **Answered**
Chosen Option : **2**

Q.7 **A is 50% more efficient then B. B worked to finish the same work in 20 days. If A and B worked together, then how much time will they take to finish the same work?**

Ans
1. 10 days
2. 7 days
3. 8 days
4. 9 days

Question ID : **264330143477**
Status : **Answered**
Chosen Option : **3**

Q.8 **What is the area of the sector of a circle of radius 8 cm and formed by an arc of length 12 cm?**

Ans
1. 45 cm^2
2. 47 cm^2
3. 48 cm^2
4. 84 cm^2

Question ID : **26433080234**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **The cost price of an article is decreased by 10% and then increased by 20%. If the final price is ₹540, then the original cost price is:**

Ans
1. ₹500
2. ₹650
3. ₹550
4. ₹600

Question ID : **26433090302**
Status : **Answered**
Chosen Option : **1**

Q.10 **The curved surface area of a solid circular cylinder of height 12 cm is 2640 cm^2. What is the volume (in cm^3) of the cylinder? (Take π=22/7)**

Ans
1. 46200
2. 37900
3. 42000
4. 55200

Question ID : **26433061919**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.11 **100÷10-[-2+{-9+(3-6 of 2)}]= _____.**

Ans
1. −6
2. 20
3. 30
4. 0

Question ID : **264330143455**
Status : **Answered**
Chosen Option : **3**

Q.12 **The fourth proportional to 8, 32 and 13 is:**

Ans

✗ 1. 39

✗ 2. 40

✗ 3. 26

✓ 4. 52

Question ID : **264330102354**
Status : **Answered**
Chosen Option : **4**

Q.13 **The rate of simple interest for which ₹9,000 will amount to ₹10,200 in 4 years is:**

Ans

✗ 1. $4\frac{2}{3}\%$

✗ 2. $7\frac{1}{3}\%$

✗ 3. $5\frac{1}{2}\%$

✓ 4. $3\frac{1}{3}\%$

Question ID : **264330111473**
Status : **Answered**
Chosen Option : **4**

Q.14 **What is the remainder when (x^{17} + 1) is divided by (x + 1)?**

Ans

✗ 1. x

✗ 2. x – 1

✓ 3. 0

✗ 4. 1

Question ID : **264330130902**
Status : **Answered**
Chosen Option : **3**

Q.15 **A boat running upstream takes 10 hours to cover a certain distance, while it takes 7 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and that of the water current, respectively?**

Ans

✗ 1. 17 : 5

✗ 2. 3 : 17

✗ 3. 2 : 17

✓ 4. 17 : 3

Question ID : **264330102371**
Status : **Answered**
Chosen Option : **4**

Q.16 **Rice worth ₹35 per kilogram and ₹38 per kilogram are mixed with a third variety in the ratio 2 : 1 : 2. If the mixture is worth ₹42 per kilogram, the price of the third variety per kilogram is:**

Ans
✗ 1. ₹52
✗ 2. ₹53
✗ 3. ₹54
✓ 4. ₹51

Question ID : **264330103606**
Status : **Answered**
Chosen Option : **4**

Q.17 **Two circles touch each other externally. The radius of the first circle with centre O is 6 cm. The radius of the second circle with centre P is 3 cm. Find the length of their common tangent AB.**

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

Question ID : **26433074352**
Status : **Answered**
Chosen Option : **1**

Q.18 What is the value of $5\sqrt{3}\cos 60° \tan 30° - 3\cos 0° + 3\cos^2 45° + 2\sin^2 60°$?

Ans
✗ 1. $2\sqrt{3}$
✓ 2. 2.5
✗ 3. 3.5
✗ 4. $3\sqrt{2}$

Question ID : **264330143621**
Status : **Answered**
Chosen Option : **2**

Q.19 **The effective speed of a boat is 15.2 km/h against the stream and 20.8 km/h along the stream. Find the speed of the stream.**

Ans
✗ 1. 18 km/h
✗ 2. 1.8 km/h
✓ 3. 2.8 km/h
✗ 4. 3 km/h

Question ID : **264330122080**
Status : **Answered**
Chosen Option : **3**

Q.20 **2 men can finish a work in 6 days and 3 women can finish the same work in 4 days. In how many days will the work be finished by 1 man and 2 women, working together every day?**

Ans

✔ 1. 4

✗ 2. 6

✗ 3. 8

✗ 4. 9

Question ID : **264330126149**
Status : **Answered**
Chosen Option : **1**

Q.21 **In the first month, the income of Mohan increases by 30%. In the second month his income decreases by 30%. What will be percentage increase or decrease in the income after two months?**

Ans

✗ 1. 15% increase

✗ 2. 9% increase

✗ 3. 15% decrease

✔ 4. 9% decrease

Question ID : **26433090298**
Status : **Answered**
Chosen Option : **4**

Q.22 If $\cos^2\theta = \frac{3}{4}$, where θ is an acute angle, then the value of $\sin(\theta + 30°)$ is:

Ans

✗ 1. 1

✗ 2. $\frac{1}{\sqrt{2}}$

✗ 3. $\frac{1}{2}$

✔ 4. $\frac{\sqrt{3}}{2}$

Question ID : **26433075031**
Status : **Answered**
Chosen Option : **4**

Q.23 A can complete a piece of work in 14 days, while A and B together can complete it in $3\frac{1}{2}$ days. How long will B alone take to complete it?

Ans

✗ 1. 4 days

✗ 2. 5 days

✗ 3. $\frac{3}{14}$ days

✔ 4. $\frac{14}{3}$ days

Question ID : **264330130965**
Status : **Answered**
Chosen Option : **4**

Q.24 If $r = 15(\sin\theta + \cos\theta)$ and $s = 16(\sin\theta - \cos\theta)$, then the value of $\frac{r^2}{15^2} + \frac{s^2}{16^2}$ is _____.

Ans
✗ 1. 8
✗ 2. 6
✗ 3. 4
✓ 4. 2

Question ID : **264330143553**
Status : **Answered**
Chosen Option : **4**

Q.25 **The following table shows the percentage of population of four states below poverty line and the proportion of males and females below and above poverty line.**

State	Percentage of Population Below Poverty Line	Proportion of Males and Females	
		Below Poverty Line	Above Poverty Line
		Males : Females	Males : Females
A	10%	2 : 3	4 : 5
B	25%	3 : 5	3 : 2
C	28%	1 : 4	5 : 3
D	38%	7 : 1	7 : 4

If the total population of State B is 7,200, then what is the number of females below poverty line in that state?

Ans
✗ 1. 1,025
✓ 2. 1,125
✗ 3. 1,075
✗ 4. 1,250

Question ID : **264330131533**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

Q.1 **Select the option that expresses the given sentence in passive voice.**
Does she prepare the lesson?

Ans
✗ 1. Do she prepare the lesson?
✓ 2. Is the lesson prepared by her?
✗ 3. Is she preparing the lesson?
✗ 4. Is the lesson being prepared by her?

Question ID : **264330141125**
Status : **Answered**
Chosen Option : **2**

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. And also, they contribute to the development of social and environmental solutions for the planet's future.
B. Companies do play an important role in modern society.
C. Because of their systematic relevance and their impact on policy-making, companies must use their influence in ways that benefit the public good.
D. Some corporations have become so large that their activities and strategic decisions have a direct impact on government policy and citizens' lives.

Ans
✗ 1. DCAB
✗ 2. DBCA
✗ 3. ADCB
✓ 4. BDCA

Question ID : **264330117138**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the most appropriate meaning of the underlined idiom in the following sentence.**
I just went to Bali on a backpacking trip and did everything by the ear without any itinerary.

Ans
✗ 1. by spreading rumors
✓ 2. by improvisation
✗ 3. while criticising
✗ 4. by asking

Question ID : **264330101446**
Status : **Answered**
Chosen Option : **4**

Q.4 **Select the option that is OPPOSITE in meaning to the given word.**

Jubilant

Ans
✗ 1. Indifferent
✗ 2. Thoughtful
✗ 3. Gay
✓ 4. Melancholic

Question ID : **264330122276**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the option that can be used as a one-word substitute for the given group of words.**
Changing secret and coded messages in a readable form

Ans
✗ 1. Decoupling
✗ 2. Encoding
✓ 3. Decoding
✗ 4. Encrypting

Question ID : **26433086481**
Status : **Answered**
Chosen Option : **3**

Q.6 **Identify and correct the INCORRECTLY spelt word in the given sentence.**
Successful people often have a role modal who inspired them to greatness.

Ans
✗ 1. gratenes
✗ 2. succesful
✗ 3. inspaired
✓ 4. model

Question ID : **26433099658**
Status : **Answered**
Chosen Option : **4**

Q.7 **Choose the option that rectifies the incorrectly spelt underlined word.**

Mr. Singh is a phenomenally <u>sucsesful</u> salesperson.

Ans
✗ 1. sucessful
✓ 2. successful
✗ 3. successfull
✗ 4. sucesfull

Question ID : **26433088848**
Status : **Answered**
Chosen Option : **2**

Q.8 **Select the most appropriate ANTONYM of the given word.**
Grow

Ans
✓ 1. Shrink
✗ 2. Crimp
✗ 3. Plant
✗ 4. Alter

Question ID : **264330102462**
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.**

Enjoying or affording warm secure shelter or cover and opportunity for ease and contentment

Ans
✗ 1. Undisturbed
✗ 2. Easeful
✗ 3. Untroubled
✓ 4. Snug

Question ID : **26433084590**
Status : **Answered**
Chosen Option : **4**

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

Kind, generous, and forgiving.

Ans
✗ 1. Magnificent
✗ 2. Grandiloquent
✗ 3. Portentous
✓ 4. Magnanimous

Question ID : **26433087903**
Status : **Answered**
Chosen Option : **4**

Q.11 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

You wash / the dishes / and / I dry the same.

Ans
✗ 1. and
✗ 2. You wash
✓ 3. I dry the same
✗ 4. the dishes

Question ID : **26433088092**
Status : **Answered**
Chosen Option : **3**

Q.12 **Select the grammatically correct sentence.**

A.As a nation, India is a united country and shall always remain so.
B.As nation, India is a united country and shall always remain so.
C.As the nation, India is a united country and shall always remain so.
D.As a nation, India is an united country and shall always remain so.

Ans
✓ 1. A
✗ 2. B
✗ 3. D
✗ 4. C

Question ID : **26433073533**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the most appropriate option to fill in the blank.**

I take my _____ off to our freedom fighters for their service to our country.

Ans
✗ 1. boots
✓ 2. hat
✗ 3. gun
✗ 4. socks

Question ID : **26433088456**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the most appropriate option to fill in the blank.**
_____ droplets settled on top of leaves.

Ans
✗ 1. Due
✗ 2. Doe
✗ 3. Do
✓ 4. Dew

Question ID : **264330121280**
Status : **Answered**
Chosen Option : **4**

Q.15 **Select the most appropriate ANTONYM of the underlined word to fill in the blank.**
Instead of becoming joyous to hear the breaking news, she became _____ .

Ans
✓ 1. melancholic
✗ 2. vengeful
✗ 3. ecstatic
✗ 4. exuberant

Question ID : **264330121890**
Status : **Answered**
Chosen Option : **3**

Q.16 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

The young boy displayed an aptitude on scientific research.

Ans
✓ 1. aptitude for
✗ 2. aptitude at
✗ 3. aptitude by
✗ 4. aptitude in

Question ID : **26433081318**
Status : **Answered**
Chosen Option : **2**

Q.17 **Select the option that expresses the given sentence in passive voice.**

The magazine house was expecting unpublished authors for their forthcoming exclusive issue on new trends.

Ans
✗ 1. Unpublished authors will be expected by the magazine house for their forthcoming exclusive issue on new trends.
✓ 2. Unpublished authors were being expected by the magazine house for their forthcoming exclusive issue on new trends.
✗ 3. Unpublished authors was expected by the magazine house for their forthcoming exclusive issue on new trends.
✗ 4. Unpublished authors were expected by the magazine house for their forthcoming exclusive issue on new trends.

Question ID : **264330136441**
Status : **Answered**
Chosen Option : **2**

Q.18 **Select the correct option to substitute the underlined segment in the given sentence.**
He had given me that book in 1999.

Ans
1. did given me
2. was given me
3. gives me
4. gave me

Question ID : **26433093002**
Status : **Answered**
Chosen Option : **4**

Q.19 **Select the most appropriate synonym of the given word.**

Predicament

Ans
1. Ease
2. Quandary
3. Blessing
4. Solution

Question ID : **26433073701**
Status : **Not Answered**
Chosen Option : **--**

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

His knowledge is superficial in nature.

Ans
1. Deviant
2. Profound
3. Artificial
4. Opposing

Question ID : **26433091824**
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 modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 21

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

Ans

✗ 1. rotates

✓ 2. revolves

✗ 3. squares

✗ 4. circles

Question ID : **264330139400**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
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SubQuestion No : 22

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

Ans

✗ 1. lay

✗ 2. disturb

✓ 3. transmit

✗ 4. communicate

Question ID : **264330139401**
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 modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
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SubQuestion No : 23

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

Ans

✔ 1. drawbacks

✘ 2. snag

✘ 3. hitch

✘ 4. liabilities

Question ID : **264330139402**
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 modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 24

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

Ans

✗ 1. secret

✓ 2. confidential

✗ 3. regular

✗ 4. common

Question ID : **264330139403**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The modern world (1) _____ around technology. It has advanced dramatically in the beyond twenty years and presently, we can't envision a world without PCs and cell phones. The last century saw fast progressions in innovation and science which were unfathomable previously. The internet is perhaps the most significant of these. Today, it is no longer a science fiction concept to communicate with people anywhere in the world. While smart phones keep us constantly connected to the virtual world, wireless internet has eliminated the need to use a physical wire to connect with this world. Today, we rely on the internet to pay our bills, book tickets, travel and conduct banking transactions. Li-Fi, a new technology that uses light signals to (2) _____ data and reduces external interference, is currently in development.
On the other hand, such rapid progress comes with some (3) _____ . Another sort of wrongdoing, known as digital wrongdoing, is the greatest danger to security today. WannaCry was one of the biggest recent cyberattacks. It infected more than 230,000 computers in over 150 countries and threatened to erase valuable data unless ransom payments were made. Personal and (4) _____ data continue to be stolen frequently, and our country's cyber security is still lacking. It's also possible to say that people miss out on important experiences in the real world because they spend so much time in the virtual world. The distinction between the real and online worlds sometimes appears to blur, especially as social media grows in popularity. For instance, the internet was said to have become so addictive in China that programs were established to help people get off of it. However, technology's benefits (5)_____ its drawbacks. It all comes down to what we do with it. One thing to keep in mind is that technology can serve us well but not completely.

SubQuestion No : 25

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

Ans

✗ 1. balances

✗ 2. shadows

✓ 3. outweigh

✗ 4. insides

Question ID : **264330139404**
Status : **Answered**
Chosen Option : **1**