Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	19/07/2023
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **Study the given pattern carefully and select the number that can replace the question mark (?) in it.**
(16, 4, 4)
(30, 5, 15)
(8, 2, ?)
(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. 2
✘ 2. 8
✘ 3. 6
✘ 4. 4

Question ID : **26433082466**
Status : **Answered**
Chosen Option : **2**

Q.2 **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.**
PIG : JCA : :SUN : MOH :: TEK : ?

Ans
✘ 1. MYE
✘ 2. NXE
✔ 3. NYE
✘ 4. NXF

Question ID : **264330104097**
Status : **Answered**
Chosen Option : **3**

Q.3 **Select the option that represents the letters that, when placed from left to right in the given blanks, will complete the letter series.**
L K _ J I L _ C J _ L _ E J I L K G _ I

Ans
✔ 1. A K I K J
✘ 2. K A I J K
✘ 3. K I J K A
✘ 4. A I J K K

Question ID : **264330143785**
Status : **Answered**
Chosen Option : **1**

Q.4 **Which of the following numbers will replace the question mark (?) in the given series?**
17, ?, 35, 53, 77, 107

Ans
✗ 1. 25
✗ 2. 21
✓ 3. 23
✗ 4. 28

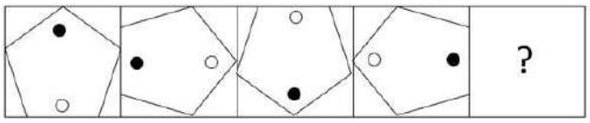
Question ID : **26433090057**
Status : **Answered**
Chosen Option : **3**

Q.5 **'A # B' means 'A is the brother of B'.**
'A @ B' means 'A is the daughter of B'.
'A & B' means 'A is the husband of B'.
'A % B' means 'A is the wife of B'.
If D @ N @ H & Y @ F % V, then how is N related to F?

Ans
✓ 1. Daughter's daughter
✗ 2. Daughter
✗ 3. Sister's daughter
✗ 4. Son's wife

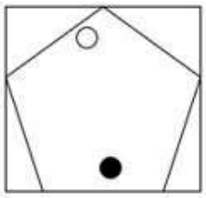
Question ID : **264330142908**
Status : **Answered**
Chosen Option : **1**

Q.6 Select the figure from among the given options that can replace the question mark (?) in the following series.

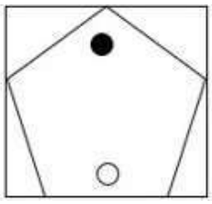


Ans

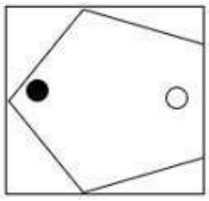
✗ 1.



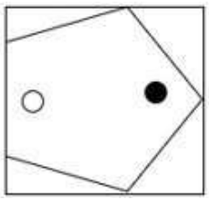
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433085385**
Status : **Answered**
Chosen Option : **2**

Q.7 **Which letter-cluster will replace the question mark (?) to complete the given series?**
WGNY, ZDQV, CATS, FXWP, ?

Ans

✗ 1. IZMU

✗ 2. IMUZ

✗ 3. IVZM

✓ 4. IUZM

Question ID : **26433076668**
Status : **Answered**
Chosen Option : **4**

Q.8 **A > B means 'A is the mother of B'**
A ! B means 'A is the sister of B'
A = B means 'A is the father of B'
If M > N = O ! P ! Q, then how is M related to Q?

Ans
1. Sister
2. Father's mother
3. Mother
4. Father's father

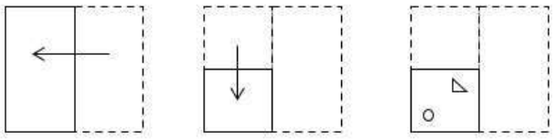
Question ID : **264330120837**
Status : **Answered**
Chosen Option : **2**

Q.9 **Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.**
15 : 270 :: 21 : ? :: 18 : 378

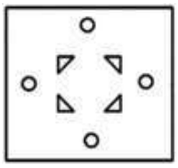
Ans
1. 520
2. 504
3. 502
4. 540

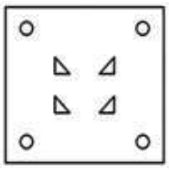
Question ID : **26433078949**
Status : **Answered**
Chosen Option : **2**

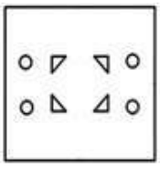
Q.10 A paper is folded and cut as shown below. How will it appear when unfolded?

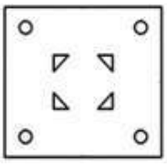


Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **264330101173**
Status : **Answered**
Chosen Option : **4**

Q.11 **Which of the following terms will replace the question mark (?) in the given series?**
EGI, KMO, QSU, ?

Ans
✓ 1. WYA
✗ 2. XAD
✗ 3. XYZ
✗ 4. VWY

Question ID : **26433074570**
Status : **Answered**
Chosen Option : **1**

Q.12 **Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.**

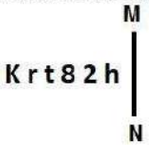
Statements:
All rice are wheat.
Some wheats are pulses.
No pulse is a vegetable.

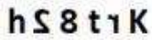
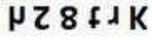
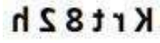
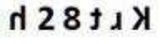
Conclusions:
I. Some vegetables are rice.
II. Some pulses are rice.
III. Some vegetables are wheat.

Ans
✔ 1. None of the conclusions follow.
✘ 2. Both conclusions I and II follow.
✘ 3. Both conclusions II and III follow.
✘ 4. All conclusions follow.

Question ID : **26433093155**
Status : **Answered**
Chosen Option : **1**

Q.13 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 : **26433056974**
Status : **Answered**
Chosen Option : **3**

Q.14 **Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.**

Statements:
All machines are factories.
Some factories are shops.
Some shops are houses.

Conclusions:
I. Some houses are factories.
II. Some machines are houses.
III. Some factories are machines.

Ans
✗ 1. Only conclusion II follows
✗ 2. Only conclusion I follows
✗ 3. All conclusions follow
✓ 4. Only conclusion III follows

Question ID : **264330143727**
Status : **Answered**
Chosen Option : **4**

Q.15 **'Attack' is related to 'Defence' in the same way as 'Accept' is related to '_____'. (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)**

Ans
✓ 1. Refuse
✗ 2. Welcome
✗ 3. Receive
✗ 4. Gain

Question ID : **26433078888**
Status : **Answered**
Chosen Option : **1**

Q.16 **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.**
FRENCH : GQFMDG :: GERMAN : HDSLBM :: ARABIC : ?

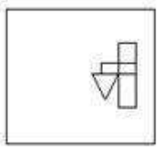
Ans
✗ 1. BQBAHD
✓ 2. BQBAJB
✗ 3. BQBCJB
✗ 4. BQZAJB

Question ID : **26433086977**
Status : **Answered**
Chosen Option : **1**

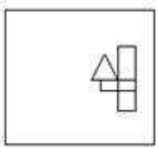
Q.17 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

Ans

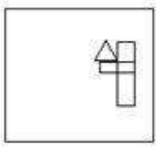
✗ 1.



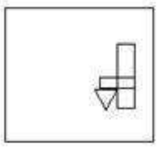
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433068189**
Status : **Answered**
Chosen Option : **2**

Q.18 **Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.**
A B _ K P C _ H K P E B H _ P G B H K _

Ans

✗ 1. C D G P

✓ 2. H B K P

✗ 3. C P H B

✗ 4. H D G P

Question ID : **264330143781**
Status : **Answered**
Chosen Option : **2**

Q.19 **Which of the following numbers will replace the question mark (?) in the given series?**
27, ?, 101, 138, 175, 212, 249

Ans

✓ 1. 64

✗ 2. 59

✗ 3. 66

✗ 4. 72

Question ID : **264330103124**
Status : **Answered**
Chosen Option : **1**

Q.20 **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, 7, 1385)
(19, 15, 3484)

Ans
✗ 1. (17, 15, 1550)
✗ 2. (11, 7, 955)
✓ 3. (21, 16, 5165)
✗ 4. (16, 14, 1321)

Question ID : **26433056511**
Status : **Answered**
Chosen Option : **3**

Q.21 **Which of the following interchange of numbers and signs would make the given equation correct?**
512 × 64 ÷ 5 + 30 – 50 = 20

Ans
✗ 1. 50 and 64, + and ×
✗ 2. 20 and 30, + and ÷
✓ 3. 20 and 50, × and ÷
✗ 4. 5 and 20, + and–

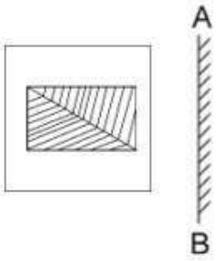
Question ID : **264330122239**
Status : **Answered**
Chosen Option : **3**

Q.22 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their 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.)
(9 , 69 , 17)
(13 , 47 , 7)

Ans
✗ 1. (13, 57, 19)
✗ 2. (10, 36, 8)
✗ 3. (22, 49, 9)
✓ 4. (19, 50, 4)

Question ID : **26433092725**
Status : **Answered**
Chosen Option : **4**

Q.23 **Select the correct mirror image of the given figure when the mirror is placed at AB.**



Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.

Question ID : **264330106451**
Status : **Answered**
Chosen Option : **1**

Q.24 **The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs except one. Find that odd number-pair.**

Ans

✗ 1. 9 : 1458

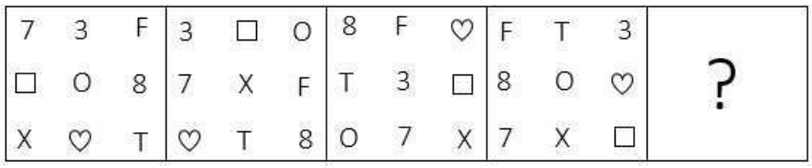
✗ 2. 3 : 54

✓ 3. 5 : 685

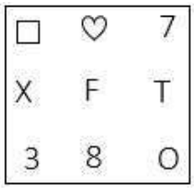
✗ 4. 5 : 250

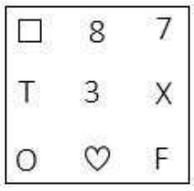
Question ID : **264330143709**
Status : **Answered**
Chosen Option : **3**

Q.25 Which figure should replace the question mark (?) if the series were to be continued?



Ans

✔ 1.


✘ 2.


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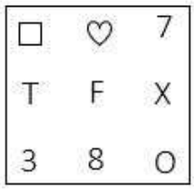
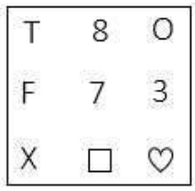


✘ 4.


Question ID : **26433076644**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 **What is the percentage composition of the element of H_2SO_3?**

Ans

✘ 1. 2.5% H, 58.5% S, 39% O

✘ 2. 33% H, 16% S, 51% O

✘ 3. 58.5% H, 39% S, 2.5% O

✔ 4. 2.5% H, 39% S, 58.5% O

Question ID : **26433097117**
Status : **Answered**
Chosen Option : **2**

Q.2 **Which is the correct sequence of lakes according to depth (from maximum to minimum) ?**

Ans
1. Caspian Sea > Tanganyika > Vostok > Baikal
2. Baikal > Caspian Sea > Tanganyika > Vostok
3. Baikal > Tanganyika > Caspian Sea > Vostok
4. Caspian Sea > Baikal >Tanganyika > Vostok

Question ID : **264330110032**
Status : **Not Answered**
Chosen Option : **--**

Q.3 **Justice NV Ramana was appointed as the _____ Chief Justice of India in April 2021.**

Ans
1. 48th
2. 47th
3. 46th
4. 44th

Question ID : **26433061847**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 **In a plant, _____ is present in the middle lamella, primary cell and secondary walls and accumulates in the initial stages of development during cell expansion.**

Ans
1. chitin
2. gelatin
3. alginate
4. pectin

Question ID : **26433064274**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Which of the following was established on the recommendation of the Hilton Young Commission?**

Ans
1. SEBI
2. RBI
3. SBI
4. NABARD

Question ID : **264330109367**
Status : **Not Answered**
Chosen Option : **--**

Q.6 The Olympic Games are held every _____.

Ans
1. fifth year
2. third year
3. fourth year
4. second year

Question ID : **264330110380**
Status : **Answered**
Chosen Option : **1**

Q.7 Joravarsinh Jadav was awarded the Padma Shri 2019 for his contribution to which of the following dance forms?

Ans
1. Karnataka folk dance, Yakshagana
2. Gujarati folk dance form, Bhavai
3. Maharashtrian folk dance form, Tamasha
4. Rajasthani folk dance form, Ghoomar

Question ID : **26433055413**
Status : **Not Answered**
Chosen Option : **--**

Q.8 'Hind Swaraj' or 'Indian Home Rule' is written by which of the following freedom fighters?

Ans
1. Dadabhai Naoroji
2. Mahatma Gandhi
3. Bal Gangadhar Tilak
4. Annie Besant

Question ID : **264330141524**
Status : **Answered**
Chosen Option : **4**

Q.9 Who among the following won the Padma award for the year 2023 for his efforts on S &T based innovative ways of creating Naga folk music?

Ans
1. Moa Subong
2. CV Raju
3. Baba Balia
4. T Senka Ao

Question ID : **264330133017**
Status : **Answered**
Chosen Option : **1**

Q.10 The total number of medals won by India in Paralympic 2020 was:

Ans
1. 8
2. 6
3. 5
4. 19

Question ID : **264330109676**
Status : **Not Answered**
Chosen Option : **--**

Q.11 "Amatya" in the Saptang Theory of Kautilya denotes which of the following?

Ans
1. Friend
2. Minister and Officials
3. Fort
4. Territory

Question ID : **264330113654**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Which five-year plan emphasised on the development of industries and industrial base in India?

Ans
1. Second
2. Fourth
3. Third
4. First

Question ID : **264330109380**
Status : **Answered**
Chosen Option : **1**

Q.13 In which city of Assam is the Tea Festival celebrated every year?

Ans
1. Guwahati
2. Silchar
3. Jorhat
4. Dibrugarh

Question ID : **264330109625**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Which of the following pairs is INCORRECTLY matched?

Ans
1. Bryophyta – Moss
2. Angiosperms – Rose
3. Pteridophyta – Cycas
4. Gymnosperms – Pinus

Question ID : **264330112815**
Status : **Not Answered**
Chosen Option : **--**

Q.15 **India can be considered to be a country with Demographic Dividend due to _____.**

Ans
- ✗ 1. high population above 70 years
- ✓ 2. high population between 15- 64 years
- ✗ 3. high population between 10-20 years
- ✗ 4. high total population

Question ID : **264330130593**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **The famous musician, Faiyaz Khan is associated with which musical instrument?**

Ans
- ✗ 1. Shehnai
- ✗ 2. Veena
- ✓ 3. Tabla
- ✗ 4. Sitar

Question ID : **26433054401**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.17 **The Raigarh Gharana is associated with which of the following dance forms?**

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

Question ID : **264330109587**
Status : **Answered**
Chosen Option : **3**

Q.18 **Whose law states that total energy per unit mass of flowing fluid, at any point in the subsurface, is the sum of the kinetic, potential, and fluid-pressure energy and is equal to a constant value?**

Ans
- ✓ 1. Daniel Bernoulli
- ✗ 2. Evangelista Torricelli
- ✗ 3. Blaise Pascal
- ✗ 4. Marie Poiseuille

Question ID : **264330144057**
Status : **Not Answered**
Chosen Option : **--**

Q.19 What is the name of the flagship program that was launched in 2005 to address the lack of infrastructure in urban India?

Ans
✗ 1. National Urban Livelihoods Mission
✗ 2. Integrated Development of Small & Medium Towns
✗ 3. Atal Mission for Rejuvenation and Urban Transformation
✓ 4. Jawaharlal Nehru National Urban Renewal Mission

Question ID : **264330111308**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The Indian Constitution was enacted on which of the following dates?

Ans
✓ 1. 26th November 1949
✗ 2. 26th January 1949
✗ 3. 26th November 1950
✗ 4. 26th January 1950

Question ID : **264330110556**
Status : **Answered**
Chosen Option : **4**

Q.21 Which state is also known as the 'Molasses basin', which is made up of soft unconsolidated deposits?

Ans
✓ 1. Mizoram
✗ 2. Manipur
✗ 3. Nagaland
✗ 4. Meghalaya

Question ID : **264330116468**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Abdur Razzaq, an envoy from Persia came to Vijaynagar during the reign of whose rule?

Ans
✗ 1. Bukka I
✗ 2. Harihar II
✗ 3. Deva Raya I
✓ 4. Deva Raya II

Question ID : **264330109020**
Status : **Not Answered**
Chosen Option : **--**

Q.23 As per Article 172(2) _____ of a State shall NOT be subject to dissolution.

Ans
1. Legislative Assembly
2. Legislative Council
3. House of People
4. Council of States

Question ID : **264330118015**
Status : **Answered**
Chosen Option : **3**

Q.24 Justice Indu Malhotra penned a dissenting opinion in which of the following landmark judgements?

Ans
1. Basic structure doctrine
2. Preamble part of the Constitution
3. Entry of women to Sabarimala
4. Land reforms in India

Question ID : **26433090643**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Mahatma Gandhi returned to India from South Africa in _____.

Ans
1. January 1915
2. January 1912
3. January 1914
4. January 1913

Question ID : **264330106576**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 The sum of the two numbers is 98. The difference between the two numbers is 28. Find one of the two numbers.

Ans
1. 32
2. 62
3. 58
4. 35

Question ID : **264330145540**
Status : **Answered**
Chosen Option : **4**

Q.2 **The speed of boat a down the stream is 125% of the speed in still water. If the boat takes 30 minutes to cover 20 km in still water, then how much time (in hours) will it take to cover 15 km upstream?**

Ans

✗ 1. $\frac{3}{4}$

✓ 2. $\frac{1}{2}$

✗ 3. $\frac{1}{4}$

✗ 4. 1

Question ID : **264330126147**
Status : **Answered**
Chosen Option : **1**

Q.3 Archana took a loan of ₹78,000 from a bank on 24th January 2012 at $8\frac{3}{4}\%$ per annum simple interest and paid it back on 18thJune 2012. Find the total amount paid by Archana. (Approximated to nearest integer)

Ans

✓ 1. ₹80,723

✗ 2. ₹90,730

✗ 3. ₹85,733

✗ 4. ₹88,730

Question ID : **264330109253**
Status : **Answered**
Chosen Option : **1**

Q.4 **Mother told her daughter, "Seven years ago, I was seven times as old as you were then. Also, three years from now, I shall be three times as old as you will be". Find the present ages of the mother and the daughter, respectively.**

Ans

✗ 1. 45; 15

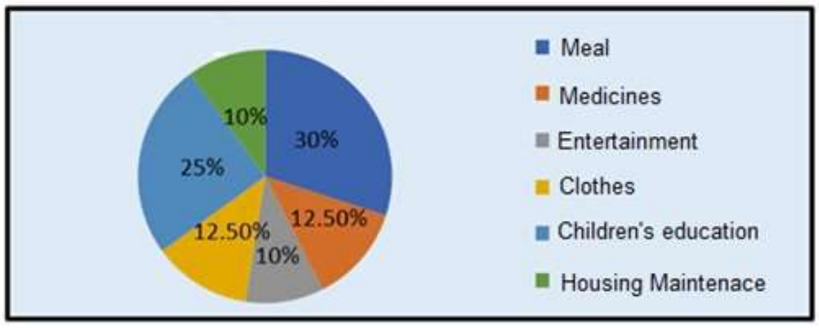
✗ 2. 40; 10

✓ 3. 42; 12

✗ 4. 50; 20

Question ID : **264330130402**
Status : **Answered**
Chosen Option : **3**

Q.5 **The following pie chart shows the annual expenditure on different items. What is the minimum angle in the given pie chart?**



Ans
✔ 1. 36°
✘ 2. 45°
✘ 3. 32°
✘ 4. 30°

Question ID : **264330134556**
Status : **Answered**
Chosen Option : **1**

Q.6 **What is the number of common tangents that can be drawn to two circles that touch each other externally?**

Ans
✘ 1. 2
✘ 2. 4
✔ 3. 3
✘ 4. 1

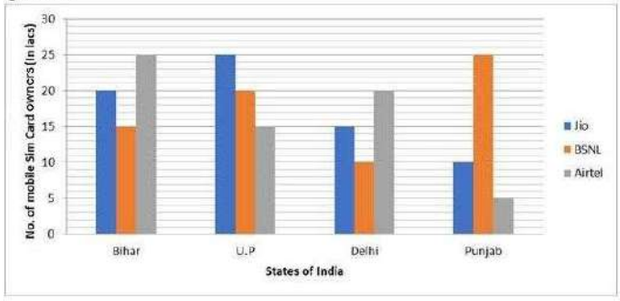
Question ID : **264330143519**
Status : **Answered**
Chosen Option : **3**

Q.7 **Which of the numbers 9592450, 9592330, 9592885 and 9592741 is divisible by 11?**

Ans
✘ 1. 9592885
✘ 2. 9592741
✘ 3. 9592450
✔ 4. 9592330

Question ID : **264330131507**
Status : **Answered**
Chosen Option : **4**

Q.8 The number of mobile sim-cards in 4 states/UT are given in the bar diagram. Study the diagram and answer the question.



In Delhi, the ratio of BSNL Sim-cards and Airtel Sim-cards sold is:

Ans
✔ 1. 1 : 2
✘ 2. 2 : 1
✘ 3. 3 : 2
✘ 4. 2 : 3

Question ID : **26433080368**
Status : **Answered**
Chosen Option : **1**

Q.9 **For any acute angle θ, $\sin\theta + \sin^2\theta = 1$, then the value of $\cos^2\theta + \cos^4\theta$ = _____.**

Ans
✘ 1. 0
✔ 2. 1
✘ 3. 2
✘ 4. −1

Question ID : **26433091947**
Status : **Answered**
Chosen Option : **2**

Q.10 **Two persons started running on a circular track at a speed of 20 m/s and 30 m/s in opposite directions. If the circumference of the circular track is 100 m, find at how many distinct points they will cross each other?**

Ans
✘ 1. 2
✘ 2. 3
✔ 3. 5
✘ 4. 10

Question ID : **26433076047**
Status : **Answered**
Chosen Option : **1**

Q.11 **Susan can type 12 pages in 6 minutes. Mary can type 6 pages in 12 minutes. Working together, how many pages can they type in 32 minutes?**

Ans
✔ 1. 80
✗ 2. 65
✗ 3. 70
✗ 4. 75

Question ID : **264330143479**
Status : **Answered**
Chosen Option : **1**

Q.12 **R lends some money to S on which S pays ₹17,000 more to R. S lends the same money to T, on which T pays 8.5% more to S. What should be the minimum amount (in ₹) that S must borrow so that he does not incur any loss in the process?**

Ans
✔ 1. 2,00,000
✗ 2. 2,25,000
✗ 3. 1,80,000
✗ 4. 1,70,000

Question ID : **26433085444**
Status : **Answered**
Chosen Option : **1**

Q.13 **Work done by 8 men is completed in 10 days. The same work can be completed in 12 days when done by 10 women. How many days will it take to complete when 4 men and 4 women are employed to perform the same job?**

Ans
✔ 1. 12
✗ 2. 6
✗ 3. 10
✗ 4. 8

Question ID : **264330129453**
Status : **Answered**
Chosen Option : **1**

Q.14 If $x^2 - 7x + 1 = 0$, and $0 < x < 1$, what is the value of $x^2 - \frac{1}{x^2}$?

Ans
✗ 1. $21\sqrt{5}$
✔ 2. $-21\sqrt{5}$
✗ 3. $28\sqrt{5}$
✗ 4. $-28\sqrt{5}$

Question ID : **264330101373**
Status : **Answered**
Chosen Option : **1**

Q.15 **The marked price of a geyser is ₹9,400 and the shopkeeper allows a discount 4% on it. Find the selling price of the geyser.**

Ans
- ✔ 1. ₹9,024
- ✘ 2. ₹9,124
- ✘ 3. ₹9,324
- ✘ 4. ₹9,224

Question ID : **264330103615**
Status : **Answered**
Chosen Option : **1**

Q.16 **In ₹150, B buys 10 pens for ₹8 each, 10 erasers for ₹5 each and some sharpeners for ₹4 each. What is the average price per item in ₹?**

Ans
- ✘ 1. 8
- ✘ 2. 7
- ✘ 3. 10
- ✔ 4. 6

Question ID : **264330130166**
Status : **Answered**
Chosen Option : **4**

Q.17 **10 women can do a work in 6 days and 6 men can do the same work in 5 days. If all these men and women work together, then how many days will they take to finish this work?**

Ans
- ✔ 1. $2\frac{8}{11}$
- ✘ 2. $4\frac{6}{11}$
- ✘ 3. $1\frac{2}{11}$
- ✘ 4. $3\frac{4}{11}$

Question ID : **264330129452**
Status : **Answered**
Chosen Option : **1**

Q.18 **If $\triangle ABC \sim \triangle PQR$, AB = 4 cm, PQ = 6 cm, QR = 9 cm and RP = 12 cm, then find the perimeter of $\triangle ABC$.**

Ans
- ✔ 1. 18 cm
- ✘ 2. 16 cm
- ✘ 3. 20 cm
- ✘ 4. 22 cm

Question ID : **264330143587**
Status : **Answered**
Chosen Option : **1**

Q.19 **The third proportional between 25 and 35 is:**

Ans
✗ 1. 35
✓ 2. 49
✗ 3. 40
✗ 4. 25

Question ID : **264330103546**
Status : **Answered**
Chosen Option : **2**

Q.20 **The salaries of a father, mother and daughter are in the ratio 2 : 3 : 5. What will be the ratio of their salaries if there was an increase of 15%, 10% and 20%, respectively?**

Ans
✗ 1. 19 : 13 : 15
✓ 2. 23 : 33 : 60
✗ 3. 17 : 37 : 50
✗ 4. 17 : 18 : 25

Question ID : **26433091906**
Status : **Answered**
Chosen Option : **2**

Q.21 **To have a surface area of 9π square units of a ball, what should be the diameter (in units) of the ball?**

Ans
✗ 1. 2.5
✗ 2. 2
✓ 3. 1.5
✗ 4. 3

Question ID : **26433081738**
Status : **Answered**
Chosen Option : **4**

Q.22 The area of the sector of a circle (in cm^2) of radius 7 cm and central angle 60° is:

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

Ans
✗ 1. $\frac{77}{2}$
✗ 2. 77
✓ 3. $\frac{77}{3}$
✗ 4. $\frac{77}{4}$

Question ID : **26433075829**
Status : **Answered**
Chosen Option : **3**

Q.23 **If 65% of 350 − ?% of 250 + 40% of 120 = 158, then find the value of ?**

Ans
1. 57
2. 63
3. 47
4. 54

Question ID : **26433066292**
Status : **Answered**
Chosen Option : **3**

Q.24 If $2\ \text{Cot}\ x = 5$, then what is $\frac{2\ \text{Cos}\ x - \text{Sin}\ x}{2\ \text{Cos}\ x + \text{Sin}\ x}$ equal to?

Ans
1. $\frac{3}{4}$
2. $\frac{1}{3}$
3. $\frac{5}{6}$
4. $\frac{2}{3}$

Question ID : **264330126223**
Status : **Answered**
Chosen Option : **4**

Q.25 If in ΔABC and ΔDEF, $\frac{AB}{DE} = \frac{BC}{FD}$, then they will be similar when:

Ans
1. $\angle B = \angle D$
2. $\angle A = \angle D$
3. $\angle A = \angle F$
4. $\angle B = \angle E$

Question ID : **26433061358**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

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

Government governed by wealth

Ans
✗ 1. Theocracy
✗ 2. Autocracy
✗ 3. Democracy
✓ 4. Plutocracy

Question ID : **26433073969**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the most appropriate ANTONYM of the underlined word.**

Theirs is a <u>clandestine</u> affair.

Ans
✓ 1. Known
✗ 2. Private
✗ 3. Sneaky
✗ 4. Illicit

Question ID : **26433090868**
Status : **Answered**
Chosen Option : **1**

Q.3 **Select the most appropriate ANTONYM for the underlined word in the following sentence.**
That is a picture worth seeing but this is an <u>absurd</u> piece of art.

Ans
✗ 1. ordinary
✗ 2. odd
✗ 3. eerie
✓ 4. realistic

Question ID : **264330100295**
Status : **Answered**
Chosen Option : **4**

Q.4 **Select the option that expresses the given sentence in active voice.**
Most of Earth's surface is covered by water.

Ans
✗ 1. Water is covering most of Earth's surface.
✗ 2. Water has been covering most of Earth's surface.
✓ 3. Water covers most of Earth's surface.
✗ 4. Water has covered most of Earth's surface.

Question ID : **264330120579**
Status : **Answered**
Chosen Option : **3**

Q.5 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
Pritha will been cooking / the meal of your choice / before you / reach home.

Ans
1. reach home
2. Pritha will been cooking
3. the meal of your choice
4. before you

Question ID : **26433086447**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

Either you and he will have to pay for this damage.

Ans
1. or he
2. with he
3. but he
4. nor he

Question ID : **26433081313**
Status : **Answered**
Chosen Option : **1**

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

The perfume she uses has a strong _____.

Ans
1. sent
2. scend
3. scent
4. cent

Question ID : **264330145562**
Status : **Answered**
Chosen Option : **3**

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. Symptoms like nervousness, increased heart rate and feeling weak are some of the starting signs of anxiety.
B. Whereas anxiety attacks, sweating, trembling and having a feeling of impending danger might suggest advanced anxiety levels.
C. Most people don't even realise they have anxiety or take corrective measures until it amplifies and gets out of control.
D. Anxiety is a sad reality of today's time that has plagued a number of us in a variety of different ways.

Ans
1. CDAB
2. DCAB
3. DACB
4. CDBA

Question ID : **264330143880**
Status : **Answered**
Chosen Option : **3**

Q.9 **Select the INCORRECTLY spelt word.**

Ans
1. Mischievous
2. Miniature
3. Metamorphic
4. Mispell

Question ID : **26433088536**
Status : **Marked For Review**
Chosen Option : **4**

Q.10 **Select the most appropriate meaning of the given idiom.**

To go to the dogs

Ans
1. To win a race
2. To become worse
3. To stand on guard
4. To win support

Question ID : **26433087927**
Status : **Answered**
Chosen Option : **2**

Q.11 **Select the most appropriate synonym of the given word.**

Adamant

Ans
1. Flexible
2. Soft
3. Stubborn
4. Adaptable

Question ID : **26433092062**
Status : **Answered**
Chosen Option : **3**

Q.12 **The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.**

She rarely approached nobody / to talk about the problems / that she was facing.

Ans
1. No error
2. that she was facing
3. She rarely approached nobody
4. to talk about the problems

Question ID : **26433060124**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the most appropriate ANTONYM of the underlined word.**
The panel picked the candidates <u>randomly</u> for the interview.

Ans
✗ 1. Casually
✗ 2. Unwillingly
✓ 3. Systematically
✗ 4. Incidentally

Question ID : **264330121875**
Status : **Answered**
Chosen Option : **3**

Q.14 **Select the option that expresses the given sentence in passive voice.**
The Mesopotamians invented the decimal system.

Ans
✓ 1. The decimal system was invented by the Mesopotamians.
✗ 2. The decimal system is invented by the Mesopotamians.
✗ 3. The decimal system is an invention of the Mesopotamians .
✗ 4. The decimal system has been invented by the Mesopotamians.

Question ID : **264330137227**
Status : **Answered**
Chosen Option : **1**

Q.15 **Select the most appropriate option to fill in the blank.**

Don't take the wind out of my _____ and tell me I'm going nowhere with my life.

Ans
✗ 1. boat
✗ 2. wings
✓ 3. sails
✗ 4. sales

Question ID : **26433088457**
Status : **Answered**
Chosen Option : **3**

Q.16 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Achieve
✗ 2. Loyalty
✓ 3. Trasury
✗ 4. Sprout

Question ID : **264330117199**
Status : **Answered**
Chosen Option : **3**

Q.17 **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. Mendel's simple 'Laws of heredity' came to be widely known and were uncritically assumed to apply to all human characteristics.
B. With Charles Darwin's popularisation of the concept of evolution, man became interested in his biological origins and affiliations.
C. Starting with the work on heredity of Gregor Mendel in the 1860s and the recognition of its significance in 1900, interest shifted to the problem of man's ontogenetic origins.
D. This interest was centred on man's phylogenetic origins.

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

Question ID : **26433099140**
Status : **Answered**
Chosen Option : **4**

Q.18 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

Abhijeet feels <u>extremely tired</u> after working all day long.

Ans
✗ 1. depressed
✓ 2. exhausted
✗ 3. sleepy
✗ 4. bare

Question ID : **26433094745**
Status : **Answered**
Chosen Option : **2**

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

Authentic

Ans
✓ 1. Genuine
✗ 2. False
✗ 3. Doubtful
✗ 4. Corrupt

Question ID : **26433091879**
Status : **Answered**
Chosen Option : **1**

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

Copying someone else's work and trying to submit as your own

Ans
✔ 1. Plagiarism
✘ 2. Hooliganism
✘ 3. Altruism
✘ 4. Cynicism

Question ID : **26433073968**
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.
We need the energy to move and we (1) _____ on oil for it. Without it, our jobs, our free time and our mobility (2) _____ all be very different. Every day we (3) _____ 70 million barrels of oil. Every year we consume 2,200 million tonnes of coal and 2,500 billion cubic metres of gas. It's a long story! Total (4) _____ in 1924, and for many years it was a French state oil company. In 1999, Total joined Petrofina, the Belgian oil and gas company, and in 2000, Total (5) _____ with its main French competitor, Elf Aquitaine, and the name became Total Fina Elf. Now it's called Total again, and it's France's biggest company.

SubQuestion No : 21

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

Ans
✘ 1. hang
✘ 2. turn
✘ 3. settle
✔ 4. depend

Question ID : **264330122603**
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.
We need the energy to move and we (1) _____ on oil for it. Without it, our jobs, our free time and our mobility (2) _____ all be very different. Every day we (3) _____ 70 million barrels of oil. Every year we consume 2,200 million tonnes of coal and 2,500 billion cubic metres of gas. It's a long story! Total (4) _____ in 1924, and for many years it was a French state oil company. In 1999, Total joined Petrofina, the Belgian oil and gas company, and in 2000, Total (5) _____ with its main French competitor, Elf Aquitaine, and the name became Total Fina Elf. Now it's called Total again, and it's France's biggest company.

SubQuestion No : 22

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

Ans
✘ 1. can
✔ 2. shall
✘ 3. could
✘ 4. will

Question ID : **264330122604**
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.
We need the energy to move and we (1) _____ on oil for it. Without it, our jobs, our free time and our mobility (2) _____ all be very different. Every day we (3) _____ 70 million barrels of oil. Every year we consume 2,200 million tonnes of coal and 2,500 billion cubic metres of gas. It's a long story! Total (4) _____ in 1924, and for many years it was a French state oil company. In 1999, Total joined Petrofina, the Belgian oil and gas company, and in 2000, Total (5) _____ with its main French competitor, Elf Aquitaine, and the name became Total Fina Elf. Now it's called Total again, and it's France's biggest company.

SubQuestion No : 23

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

Ans
✔ 1. consume
✘ 2. devour
✘ 3. take
✘ 4. absorb

Question ID : **264330122605**
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.
We need the energy to move and we (1) _____ on oil for it. Without it, our jobs, our free time and our mobility (2) _____ all be very different. Every day we (3) _____ 70 million barrels of oil. Every year we consume 2,200 million tonnes of coal and 2,500 billion cubic metres of gas. It's a long story! Total (4) _____ in 1924, and for many years it was a French state oil company. In 1999, Total joined Petrofina, the Belgian oil and gas company, and in 2000, Total (5) _____ with its main French competitor, Elf Aquitaine, and the name became Total Fina Elf. Now it's called Total again, and it's France's biggest company.

SubQuestion No : 24

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

Ans
✘ 1. had founded
✔ 2. was founded
✘ 3. founded
✘ 4. were founded

Question ID : **264330122606**
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.
We need the energy to move and we (1) _____ on oil for it. Without it, our jobs, our free time and our mobility (2) _____ all be very different. Every day we (3) _____ 70 million barrels of oil. Every year we consume 2,200 million tonnes of coal and 2,500 billion cubic metres of gas. It's a long story! Total (4) _____ in 1924, and for many years it was a French state oil company. In 1999, Total joined Petrofina, the Belgian oil and gas company, and in 2000, Total (5) _____ with its main French competitor, Elf Aquitaine, and the name became Total Fina Elf. Now it's called Total again, and it's France's biggest company.

SubQuestion No : 25

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

Ans

✔ 1. merged

✘ 2. combine

✘ 3. join

✘ 4. incorporate

Question ID : **264330122607**
Status : **Answered**
Chosen Option : **1**