Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	18/07/2023
Exam Time	2:30 PM - 3:30 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **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.**
17 : 189 :: 13 : 69 :: 18 : ?

Ans
✔ 1. 224
✘ 2. 241
✘ 3. 214
✘ 4. 242

Question ID : **264330143712**
Status : **Answered**
Chosen Option : **1**

Q.2 **Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.**

Statements:
All males are boys.
Some teachers are boys.
All students are teachers.

Conclusions:
I. Some boys are males.
II. Some teachers are students.
III. All males are students.

Ans
✘ 1. All conclusions follow
✘ 2. Only conclusions II and III follow
✔ 3. Only conclusions I and II follow
✘ 4. Only conclusions I and III follow

Question ID : **264330143721**
Status : **Answered**
Chosen Option : **3**

Q.3 **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, 40, 14)
(15, 33, 9)

Ans
✗ 1. (11, 105, 42)
✗ 2. (21, 35, 41)
✗ 3. (21, 95, 35)
✓ 4. (21, 91, 35)

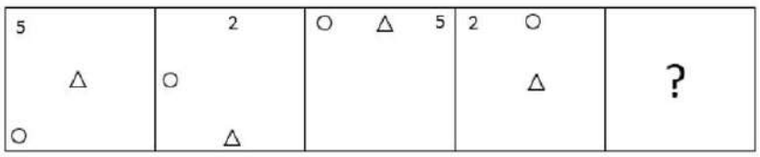
Question ID : **264330130208**
Status : **Answered**
Chosen Option : **4**

Q.4 **Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series.**
M N B _ C M _ _ W C M N B _ _ M _ _ Y C

Ans
✓ 1. V N B X C N B
✗ 2. V N B Y D N B
✗ 3. W Y Y Y C N B
✗ 4. W N B Y D N B

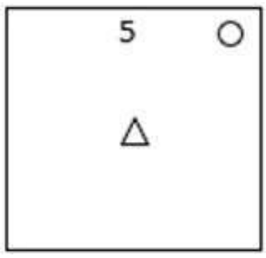
Question ID : **264330143744**
Status : **Answered**
Chosen Option : **4**

Q.5 Select the figure from the options that can replace the question mark (?) and complete the given pattern.

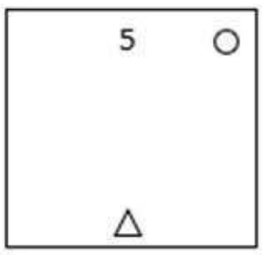


Ans

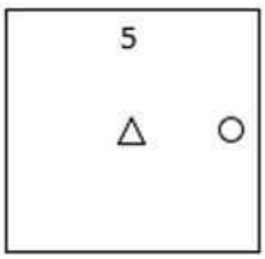
✗ 1.



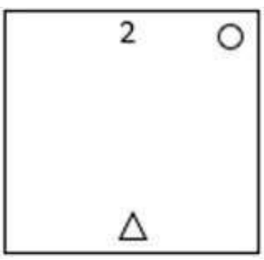
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433085786**
Status : **Answered**
Chosen Option : **2**

Q.6 **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.**
LIGHT : ORTSG :: FANCY : UZMXB :: WATCH : ?

Ans
1. DZHXS
2. DZGYS
3. DZGXS
4. DZGXT

Question ID : **26433086974**
Status : **Answered**
Chosen Option : **3**

Q.7 **Which two signs should be interchanged to make the given equation correct?**
1664 ÷ 4 × 2 + 712 – 316 = 436

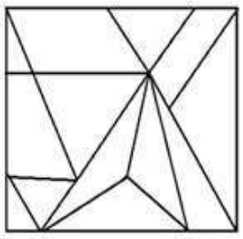
Ans
1. ÷ and +
2. ÷ and –
3. – and +
4. + and ×

Question ID : **264330132499**
Status : **Not Answered**
Chosen Option : **--**

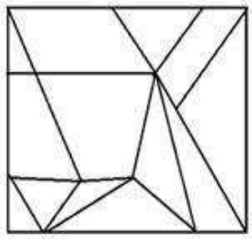
Q.8 **Select the option figure in which the given figure is embedded (rotation is NOT allowed).**

Ans

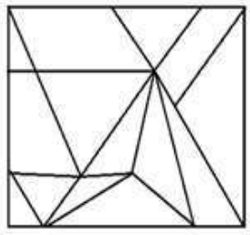
✗ 1.



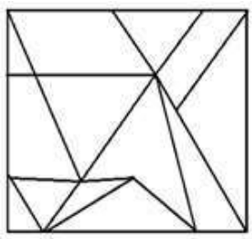
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433067427**
Status : **Answered**
Chosen Option : **3**

Q.9 **Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.**
_ _ BFGDM _ _ G _ MBF _ D _ B _ G

Ans

✗ 1. DMFBDGMF

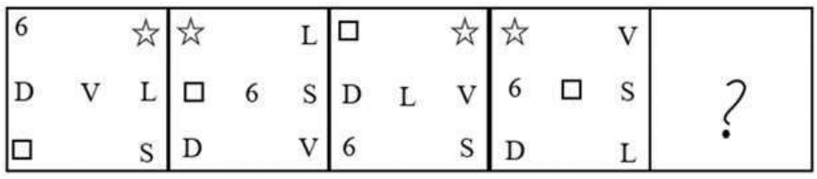
✓ 2. DMBFDGMF

✗ 3. DFBMDGMF

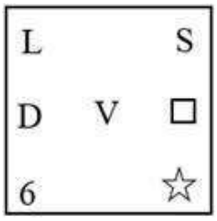
✗ 4. DMBFGDFM

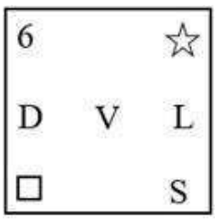
Question ID : **26433090010**
Status : **Answered**
Chosen Option : **2**

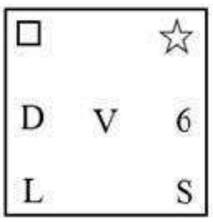
Q.10 Select the figure that will replace the question mark (?) in the following figure series.

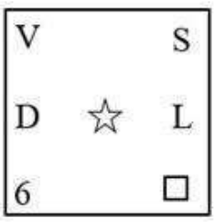


Ans

✗ 1.


✓ 2.


✗ 3.


✗ 4.


Question ID : **264330143847**
Status : **Answered**
Chosen Option : **2**

Q.11 **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.**
BPX : ENB :: KUW : NSA :: FOY : ?

Ans
✗ 1. CQU
✗ 2. CQW
✗ 3. IMB
✓ 4. IMC

Question ID : **264330104099**
Status : **Answered**
Chosen Option : **3**

Q.12 **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. (24, 195)
- ✗ 2. (26, 211)
- ✓ 3. (25, 200)
- ✗ 4. (36, 291)

Question ID : **264330143691**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **Looking at a picture of a girl Veronica said, "She is the mother of my husband's brother's daughter." How is Veronica related to the girl in the picture?**

Ans
- ✗ 1. Mother's sister
- ✓ 2. Husband's Brother's wife
- ✗ 3. Father's Brother's daughter
- ✗ 4. Mother

Question ID : **26433092751**
Status : **Answered**
Chosen Option : **2**

Q.14 **Select the set in which the numbers are related in the same way as are the numbers of the given set.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(54, 32, 66)
(49, 31, 54)

Ans
- ✓ 1. (39, 18, 63)
- ✗ 2. (44, 28, 52)
- ✗ 3. (68, 49, 55)
- ✗ 4. (55, 30, 70)

Question ID : **264330134929**
Status : **Not Answered**
Chosen Option : **--**

Q.15 **Select the number from among the given options that can replace the question mark (?) in the following series.**
4, 11, 20, 31, 44, ?

Ans
- ✗ 1. 61
- ✗ 2. 63
- ✗ 3. 57
- ✓ 4. 59

Question ID : **264330106285**
Status : **Answered**
Chosen Option : **4**

Q.16 **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 curtains are doormats.
Some doormats are pillows.
Some pillows are bedsheets.

Conclusions:
I. Some bedsheets are doormats.
II. Some bedsheets are curtains.
III. Some pillows are doormats.

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

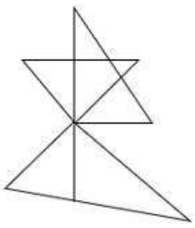
Question ID : **26433093153**
Status : **Answered**
Chosen Option : **3**

Q.17 **If exactly 1 year and 2 days later it is Tuesday, then what day is it today? It is not a leap year.**

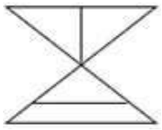
Ans
✗ 1. Sunday
✗ 2. Monday
✓ 3. Saturday
✗ 4. Tuesday

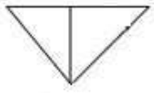
Question ID : **26433057673**
Status : **Answered**
Chosen Option : **3**

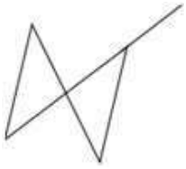
Q.18 Select the option figure which is embedded in the given figure (rotation is NOT allowed).

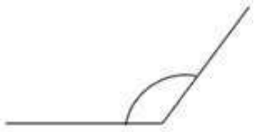


Ans

✗ 1. 

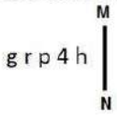
✓ 2. 

✗ 3. 

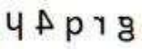
✗ 4. 

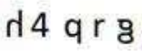
Question ID : **26433097266**
Status : **Answered**
Chosen Option : **2**

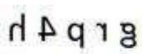
Q.19 Select the correct mirror image of the given combination when the mirror is placed at line MN as shown.

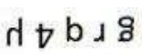


Ans

✗ 1. 

✗ 2. 

✓ 3. 

✗ 4. 

Question ID : **26433068190**
Status : **Answered**
Chosen Option : **3**

Q.20 In a certain code language, 'PUBLIC' is written as 'TIEIUY' and 'SERVER' is written as 'WEUSEN'. How will 'DIRECT' be written in that language?

Ans
✔ 1. HCUBIP
✘ 2. PICBUH
✘ 3. HICBUP
✘ 4. PCUBIH

Question ID : **26433055921**
Status : **Not Answered**
Chosen Option : **--**

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)
(36, 6, 18)
(35, 5, 21)

Ans
✔ 1. (49, 7, 21)
✘ 2. (63, 7, 98)
✘ 3. (100, 5, 40)
✘ 4. (76, 13, 5)

Question ID : **26433089576**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

17 * 21 * 7 * 5 * 4 * 34

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

Question ID : **26433056940**
Status : **Answered**
Chosen Option : **2**

Q.23 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**

1. Significant
2. Sinful
3. Signed
4. Singing
5. Simplify

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

Question ID : **264330130704**
Status : **Answered**
Chosen Option : **1**

Q.24 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 : **26433067408**
Status : **Answered**
Chosen Option : **4**

Q.25 **A family consisting of D, P, W, Y and M is travelling to meet one another. W is travelling with his daughters, D and P. M is travelling with his maternal grandmother, Y. D is the mother of M. How is Y related to P?**

Ans
✗ 1. Daughter
✓ 2. Mother
✗ 3. Grandmother
✗ 4. Sister

Question ID : **264330118671**
Status : **Marked For Review**
Chosen Option : **3**

Section : **General Awareness**

Q.1 **The cultivation of _____ was introduced on the Baba Budan Hills in India.**

Ans
✗ 1. silk
✗ 2. tea
✓ 3. coffee
✗ 4. cardamom

Question ID : **264330110632**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **Due to attraction of the sun and the moon, what is the frequency of up and falls down of ocean water in a day?**

Ans
✓ 1. Two
✗ 2. Three
✗ 3. Four
✗ 4. One

Question ID : **264330111562**
Status : **Answered**
Chosen Option : **1**

Q.3 **RG Bhandarkar was a popular leader of which reforming society?**

Ans
✓ 1. Prarthana Samaj
✗ 2. Arya Samaj
✗ 3. Theosophical Society
✗ 4. Brahmo Samaj

Question ID : **264330132690**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Sports Authority of India, the apex body for sports promotion, was set up in the year _____.**

Ans
1. 1990
2. 1961
3. 1984
4. 1982

Question ID : **264330110350**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **_____was the first woman to be ordained as a bhikkhuni in the Buddhism.**

Ans
1. Dhammananda Bhikkhuni
2. Sujata
3. Mahapajapati Gotami
4. Sanghamitta

Question ID : **264330114061**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **A non-SI unit called 'nit' is the unit of which of the following photometric quantities used to measure a multitude of light intensity?**

Ans
1. Luminous exposure
2. Luminance
3. Luminosity
4. Luminous emittance

Question ID : **264330110043**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **On 29 July 2021, the Government of India launched Vidya Pravesh, a preschool preparation programme for _____ students, preparing the children for school.**

Ans
1. nursery
2. pre-nursery
3. class first
4. kindergarten

Question ID : **26433061797**
Status : **Answered**
Chosen Option : **2**

Q.8 The origin of Directive Principles of State Policy can be traced to which of the following?

Ans
✗ 1. Gandhi Irwin Pact
✗ 2. Poona Pact
✗ 3. Second Round Table Conference
✓ 4. Karachi Resolution

Question ID : **264330110582**
Status : **Answered**
Chosen Option : **3**

Q.9 Industries are classified into _____ categories in the Industrial Policy Resolution.

Ans
✗ 1. five
✗ 2. four
✓ 3. three
✗ 4. two

Question ID : **264330112529**
Status : **Answered**
Chosen Option : **3**

Q.10 'We have wings' is associated with which of the following sports events?

Ans
✓ 1. Paralympic 2020
✗ 2. Olympic 2016
✗ 3. Olympic 2020
✗ 4. Winter Olympic 2020

Question ID : **264330109675**
Status : **Answered**
Chosen Option : **1**

Q.11 Which of the following is NOT a freshwater lake in India?

Ans
✓ 1. Pulicat
✗ 2. Loktak
✗ 3. Bhimtal
✗ 4. Nainital

Question ID : **264330113283**
Status : **Answered**
Chosen Option : **4**

Q.12 Single-celled life forms were discovered by Anton Van Leeuwenhoek in _____.

Ans
✗ 1. 1774
✗ 2. 1884
✗ 3. 1837
✓ 4. 1674

Question ID : **26433055792**
Status : **Not Answered**
Chosen Option : **--**

Q.13

Match the following neighbouring countries of India with their official languages.

Country	Official Language
1. Sri Lanka	a. Dzongkha
2. Bhutan	b. Burmese
3. Myanmar	c. Sinhala

Ans
✗ 1. 1-a, 2-c, 3-b
✗ 2. 1-a, 2-b, 3-c
✓ 3. 1-c, 2-a, 3-b
✗ 4. 1-b, 2-a, 3-c

Question ID : **264330132765**
Status : **Answered**
Chosen Option : **3**

Q.14 **Who led the Revolt of 1857 in Bihar?**

Ans
✗ 1. Azimullah
✗ 2. Bakht Khan
✓ 3. Veer Kunwar Singh
✗ 4. Maulvi Ahmadullah

Question ID : **264330109038**
Status : **Answered**
Chosen Option : **3**

Q.15 **Thabal Chongba is a folk dance of which Indian state?**

Ans
✗ 1. Goa
✗ 2. Mizoram
✓ 3. Manipur
✗ 4. West Bengal

Question ID : **264330109593**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **Sisodiya Rajput ruler of Mewar, Amar Singh accepted Mughal services during the reign of _____.**

Ans
✗ 1. Akbar
✓ 2. Jahangir
✗ 3. Aurangzeb
✗ 4. Babur

Question ID : **264330114092**
Status : **Answered**
Chosen Option : **1**

Q.17 **Select the INCORRECT statement about Gymnosperms.**

Ans
1. Gymnosperms are found as woody shrubs, trees or lianas and include no true aquatics and few epiphytes.
2. Gymnosperms are seedless flowering plants.
3. Gymnosperms are typically slow in terms of reproduction; up to a year may pass between pollination and fertilisation and seed maturation may require 3 years.
4. Gymnosperms exhibit cones or strobili and naked seeds, but not flowers.

Question ID : **264330112814**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **The total number of Ministers, including the Chief Minister, in the Council of Ministers in a State shall NOT exceed _____ of the total number of members of the Legislative Assembly of that State.**

Ans
1. twenty percent
2. ten percent
3. fifteen percent
4. twenty five percent

Question ID : **264330134576**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.19 **Identify an application in which solar cells are NOT used.**

Ans
1. Radio
2. Space probes
3. Lift system
4. Artificial satellites

Question ID : **26433097104**
Status : **Answered**
Chosen Option : **3**

Q.20 **Diwali falls in which of the following months of the Hindu calendar?**

Ans
1. Ashadha
2. Bhadrapada
3. Jyeshtha
4. Kartika

Question ID : **26433064320**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **The biennial tri-services amphibious exercise, AMPHEX 2023 was conducted in _____ from 17 to 22 January 2023.**

Ans
- ✗ 1. Bihar
- ✗ 2. Telangana
- ✗ 3. Odisha
- ✓ 4. Andhra Pradesh

Question ID : **264330132590**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **Padmaja Reddy, who was conferred the Padma Shri in 2022, is renowned for which of the following dance forms?**

Ans
- ✓ 1. Kuchipudi
- ✗ 2. Odissi
- ✗ 3. Bharatanatyam
- ✗ 4. Kathak

Question ID : **26433055409**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **Select the correct sequence of the musical instruments according to the given sequence of their associated personalities: Ustad Allah Rakha, Totaram Sharma, TH Vinayakam.**

Ans
- ✗ 1. Tabla, Ghatam, Pakhawaj
- ✗ 2. Ghatam, Pakhawaj, Tabla
- ✓ 3. Tabla, Pakhawaj, Ghatam
- ✗ 4. Pakhawaj, Tabla, Ghatam

Question ID : **264330130503**
Status : **Answered**
Chosen Option : **3**

Q.24 **What is the name of the scheme launched in 2022 for the welfare measures of the transgender community and for persons who are engaged in the act of begging?**

Ans
- ✓ 1. SMILE
- ✗ 2. SHINE
- ✗ 3. SHRI
- ✗ 4. RISE

Question ID : **264330132968**
Status : **Not Answered**
Chosen Option : **--**

Q.25 GDP deflator = _____

Ans
✗ 1. (nominal GDP × Real GDP) × 100
✗ 2. (nominal GDP + Real GDP) × 100
✗ 3. (nominal GDP − Real GDP) × 100
✓ 4. (nominal GDP / Real GDP) × 100

Question ID : **264330109097**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 If $a^2 + b^2 + c^2 = ab + bc + ac$, then the value of $\frac{11a^4 + 13b^4 + 17c^4}{17a^2b^2 + 9b^2c^2 + 15c^2a^2}$ is:

Ans
✓ 1. 1
✗ 2. 2
✗ 3. 11
✗ 4. 4

Question ID : **264330126227**
Status : **Not Answered**
Chosen Option : **--**

Q.2 D and E are points on the sides AB and AC, respectively, of ΔABC such that DE is parallel to BC and AD : DB = 7 : 9. If CD and BE intersect each other at F, then find the ratio of areas of ΔDEF and ΔCBF.

Ans
✗ 1. 49 : 144
✗ 2. 49 : 81
✓ 3. 49 : 256
✗ 4. 256 : 49

Question ID : **26433075538**
Status : **Not Answered**
Chosen Option : **--**

Q.3 **A and B are equally efficient, and each could individually complete a piece of work in 30 days, if none took any holiday. A and B started working together on this piece of work, but A took a day off after every four days of work, while B took a day off after every five days of work. If the duo had started work on 01 August 2022, on which date was the work completed?**

Ans
✗ 1. 19 August 2022
✗ 2. 17 August 2022
✗ 3. 16 August 2022
✓ 4. 18 August 2022

Question ID : **264330114523**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **A conical tent with radius 6 units and height 8 units is to be made by canvas. How much canvas is needed to make the tent? (Rounded off to two places of decimals)**

Ans
✔ 1. 188.57 units
✘ 2. 155.87 units
✘ 3. 166.57 units
✘ 4. 177.55 units

Question ID : **26433081744**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **The smallest number added to 888 so that it is exactly divisible by 35 is:**

Ans
✔ 1. 22
✘ 2. 23
✘ 3. 20
✘ 4. 21

Question ID : **264330130903**
Status : **Answered**
Chosen Option : **1**

Q.6 **The square of the difference between two given natural numbers is 324, while the product of these two given numbers is 144. Find the positive difference between the squares of these two given numbers.**

Ans
✘ 1. 630
✔ 2. 540
✘ 3. 450
✘ 4. 360

Question ID : **264330101348**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **A alone can finish a work in 15 days. A works only for the first two days and last two days. The rest work is done by B and the work is completed in 20 days. In how many days A and B together can finish the work?**

Ans
✘ 1. $\frac{90}{8}$
✘ 2. $\frac{80}{7}$
✔ 3. $\frac{80}{9}$
✘ 4. $\frac{70}{8}$

Question ID : **264330112118**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The value of

$$51 \div \{25 + (25 \text{ of } 12 \div 30) - (5^4 \div 5 \text{ of } 125)\} \text{ is:}$$

Ans

✗ 1. $\frac{2}{3}$

✓ 2. $\frac{3}{2}$

✗ 3. $-\frac{2}{3}$

✗ 4. $-\frac{3}{2}$

Question ID : **264330143509**
Status : **Not Answered**
Chosen Option : **--**

Q.9 If $\sin(5x - 25°) = \cos(5y + 25°)$, where $5x - 25°$ and $5y + 25°$ are acute angles,then the value of $(x + y)$ is:

Ans

✗ 1. 50°

✗ 2. 40°

✓ 3. 18°

✗ 4. 16°

Question ID : **26433083079**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **A and B can finish a work in 10 days, B and C can finish it in 12 days and C and A can finish in 6 days. In how many days A alone can finish the work?**

Ans

✗ 1. $\frac{120}{9}$

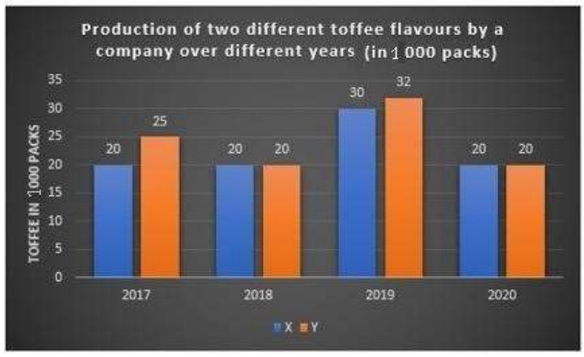
✗ 2. 12

✓ 3. $\frac{120}{11}$

✗ 4. $\frac{121}{12}$

Question ID : **264330112116**
Status : **Not Answered**
Chosen Option : **--**

Q.11 A toffee company prepares toffee of two different flavours X and Y. The production of two flavours over a period of 4 years is expressed in the bar graph given below.



What is the difference between the average production of flavour X in 2017 and 2018 and the average production of flavour Y in 2019 and 2020.

Ans
✔ 1. 6000 packs
✘ 2. 6400 packs
✘ 3. 7500 packs
✘ 4. 7000 packs

Question ID : **264330130412**
Status : **Not Answered**
Chosen Option : **--**

Q.12 **According to Raghav, his weight is more than 64 kg but less than 74 kg. His sister does not agree with Raghav and she thinks that his weight is more than 60 kg but less than 69 kg. His mother's view is that his weight cannot be more than 68 kg. His father's view is that his weight cannot be more than 67 kg. If all are them are correct in their estimation, then what is the average of different probable weights of Raghav measured (in kg)?**

Ans
✔ 1. 66
✘ 2. 67
✘ 3. 68
✘ 4. 65

Question ID : **264330131346**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **The marked price of a ceiling fan is ₹4,200 and the shopkeeper allows a discount of 5% on it. If his profit is 14%, then the cost price of the fan is:**

Ans
✘ 1. ₹3,200
✘ 2. ₹3,800
✘ 3. ₹3,000
✔ 4. ₹3,500

Question ID : **264330103717**
Status : **Answered**
Chosen Option : **4**

Q.14 **Which of the following is a FALSE statement?**

Ans
✔ 1. $\tan^2 A = 1 - \sec^2 A$
✘ 2. $\sin A = \tan A \times \cos A$
✘ 3. $\text{cosec}^2 A - 1 = \cot^2 A$
✘ 4. $\cos A \times \sec A = 1$

Question ID : **264330130047**
Status : **Answered**
Chosen Option : **3**

Q.15 **If in △XYZ, XY = 4 and XZ = 5 cm, and Q is a point on YZ such that XQ bisects ∠X, then YQ : QZ is:**

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

Question ID : **26433083003**
Status : **Not Answered**
Chosen Option : **--**

Q.16 **A train traveling at 70 km/h crosses another train traveling in the same direction at 34 km/h in 25 seconds. What is the combined length of both the trains (in metres)?**

Ans
✘ 1. 225
✔ 2. 250
✘ 3. 325
✘ 4. 500

Question ID : **264330126586**
Status : **Not Answered**
Chosen Option : **--**

Q.17 **In a constituency, 85% of the total number of people on the electoral roll cast their votes during an election. 10% of the votes cast were declared invalid. If there were 3,00,000 people on the electoral roll, and Dharam secured 1,37,700 valid votes, what percentage of the total number of valid votes did Dharam secure?**

Ans
✘ 1. 50.5%
✘ 2. 70.2%
✘ 3. 45.9%
✔ 4. 60.0%

Question ID : **264330103252**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **Find the value of the following expression.**
$12(\sin^4\theta+\cos^4\theta)+18(\sin^6\theta+\cos^6\theta)+78\sin^2\theta\cos^2\theta$

Ans
✔ 1. 30
✘ 2. 40
✘ 3. 10
✘ 4. 20

Question ID : **264330143552**
Status : **Not Answered**
Chosen Option : **--**

Q.19 ΔPQR is an equilateral triangle inscribed in a circle. S is any point on the arc QR.
Find the measure of $\angle PSQ$.

Ans
✘ 1. 30°
✔ 2. 60°
✘ 3. 90°
✘ 4. 45°

Question ID : **26433058431**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The given table shows the percentage of marks obtained by five students in five different subjects in a school.

	English (100)	Science (150)	Mathematics (100)	Hindi (100)	Computer (100)
Hitansh	67	70	64	55	75
Akshara	75	88	95	60	75
Pihu	69	72	89	64	77
Shreya	71	66	80	68	72
Rahul	59	64	59	67	90

What is Hitansh's overall percentage (rounded up to 2 decimal places) in the examination?

Ans
✔ 1. 66.55%
✘ 2. 64.89%
✘ 3. 65.31%
✘ 4. 75.11%

Question ID : **26433082727**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **In a 1500 m race, X beats Y by 100 m and X beats Z by 240 m. By what distance does Y beat Z in the same race?**

Ans
✗ 1. 160 m
✗ 2. 140 m
✓ 3. 150 m
✗ 4. 200 m

Question ID : **264330143464**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **If the cost of 120m of cloth is ₹9,600, then what will be the cost of 147 m of that cloth?**

Ans
✗ 1. ₹16,170
✗ 2. ₹11,670
✓ 3. ₹11,760
✗ 4. ₹17,160

Question ID : **264330103410**
Status : **Not Answered**
Chosen Option : **--**

Q.23 If $(x+\frac{1}{x})=5$, and $x>1$, what is the value of $(x^8-\frac{1}{x^8})$?

Ans
✓ 1. $60605\sqrt{21}$
✗ 2. $60615\sqrt{21}$
✗ 3. $60705\sqrt{21}$
✗ 4. $60725\sqrt{21}$

Question ID : **264330101372**
Status : **Not Answered**
Chosen Option : **--**

Q.24 **In how many years will a sum of ₹9,500 amount to ₹11,780 at the rate of 8% per annum at simple interest?**

Ans
✓ 1. 3
✗ 2. 2
✗ 3. 4
✗ 4. 5

Question ID : **264330112220**
Status : **Not Answered**
Chosen Option : **--**

Q.25 **By selling a watch for ₹2,000, a shopkeeper loses 20%. How much would he gain or lose by selling it for ₹3,000?**

Ans
✔ 1. 20% gain
✘ 2. 25% gain
✘ 3. 15% loss
✘ 4. 25% loss

Question ID : **26433091536**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

Q.1 **The following sentence has been divided into three segments, A, B, C. One of them may contain a grammatical error. Select the segment that contains the error, from the given options. If you don't find any error, mark 'No error' as your answer.**

Aniket lives (A) / in the small apartment (B) / in the suburbs (C).

Ans
✘ 1. C
✘ 2. No error
✔ 3. B
✘ 4. A

Question ID : **26433074027**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the most appropriate synonym for the highlighted word.**
The government's utilitarian stance was appreciated by all.

Ans
✘ 1. thrust
✘ 2. fanciful
✔ 3. useful
✘ 4. distasteful

Question ID : **264330120718**
Status : **Answered**
Chosen Option : **3**

Q.3 **Describe how you will tell everyone that Mr. Akhil opened the gate in passive voice.**

Ans
✔ 1. The gate was opened by Mr.Akhil.
✘ 2. Mr.Akhil open the gate.
✘ 3. The gate been open by Mr.Akhil.
✘ 4. The gate opened by Mr.Akhil.

Question ID : **264330122772**
Status : **Answered**
Chosen Option : **1**

Q.4 **Select the INCORRECTLY spelt word.**

Ans
✔ 1. Aristocrate
✘ 2. Advertise
✘ 3. Occurrence
✘ 4. Preference

Question ID : **26433089085**
Status : **Answered**
Chosen Option : **3**

Q.5 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**
I have not seen <u>you for last year</u>.

Ans
✔ 1. you since last year
✘ 2. me for last year
✘ 3. you about last year
✘ 4. you for last years

Question ID : **26433084625**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the INCORRECTLY spelt word in the given sentence.**

It is wierd to overreact on the consequences like this, it didn't even matter at the end of the day.

Ans
✘ 1. Matter
✘ 2. Overreact
✔ 3. Wierd
✘ 4. Consequences

Question ID : **26433096201**
Status : **Answered**
Chosen Option : **3**

Q.7 **Select the most appropriate option to substitute the underlined segment in the given sentence.**

I <u>don't wear</u> the sunglasses at the moment.

Ans
✘ 1. I didn't wear
✘ 2. I wore
✘ 3. I was wearing
✔ 4. I'm not wearing

Question ID : **26433099061**
Status : **Answered**
Chosen Option : **3**

Q.8 **Select the option that can be used as a one-word substitute for the given group of words.**

A person who draws or produces maps

Ans
✗ 1. Calligrapher
✗ 2. Choreographer
✗ 3. Chauffeur
✓ 4. Cartographer

Question ID : **26433073678**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**
Her hopes for building her own house were beaten when she lost her jewellery box.

Ans
✗ 1. house were defeated when
✗ 2. house were frustrated when
✗ 3. house were relieved when
✓ 4. house were dashed when

Question ID : **26433084630**
Status : **Answered**
Chosen Option : **3**

Q.10 **Select the most appropriate synonym of the underlined word.**

The outcome document of the Rio+20 Conference, the Future We Want, underscores climate change as "an inevitable and urgent global challenge with long-term implications for the sustainable development of all countries". Through the document, Member States express their concern about the continuous rising of emissions of greenhouse gases and the vulnerability of all countries, particularly developing countries, to the adverse impacts of climate change.

Ans
✗ 1. immemorable
✓ 2. undeniable
✗ 3. adventurous
✗ 4. escapable

Question ID : **26433090780**
Status : **Answered**
Chosen Option : **2**

Q.11 **Select the option that can be used as a one-word substitute for the given group of words.**

Being careful that every detail of something is correct

Ans
✓ 1. Fastidious
✗ 2. Squeamish
✗ 3. Stubborn
✗ 4. Impregnable

Question ID : **26433088192**
Status : **Answered**
Chosen Option : **3**

Q.12 **Select the most appropriate meaning of the given idiom.**

Through thick and thin

Ans
1. Only assist during good times
2. Hope during trying times
3. In good times and in bad times
4. Weak and lonely

Question ID : **26433088776**
Status : **Answered**
Chosen Option : **4**

Q.13 **Select the most appropriate synonym of the underlined word.**

The committee wanted us to explain this in detail.

Ans
1. Elaborate
2. Trouble
3. Collect
4. Keen

Question ID : **26433094732**
Status : **Answered**
Chosen Option : **1**

Q.14 **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. But, while the court's action solved one problem, it created another and because of the closure, many workers lost their jobs.
B. For instance, the courts directed industries in residential areas in Delhi to close down or shift out of the city.
C. In recent years, while the courts have come out with strong orders on environmental issues, these have sometimes affected people's livelihoods adversely.
D. Several of these industries were polluting the neighbourhood and discharge from these industries were polluting the river Yamuna because they had been set up without following the rules.

Ans
1. CBDA
2. BDCA
3. CDAB
4. BCAD

Question ID : **264330143863**
Status : **Answered**
Chosen Option : **1**

Q.15 **Select the most appropriate synonym of the given word.**

Consequence

Ans
1. Outcome
2. Origin
3. Start
4. Begin

Question ID : **26433092063**
Status : **Answered**
Chosen Option : **1**

Q.16 **Select the most appropriate option to fill in the blank.**
There are rows of chairs on either side of the _____.

Ans
1. ail
2. isle
3. I'll
4. aisle

Question ID : **264330121279**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the most appropriate meaning of the given idiom.**

It turns out to be a blessing in disguise.

Ans
1. Has a good effect even though at first it seemed it would be bad
2. When a simple solution solves a problem very well
3. Has a very good effect on a situation or a thing
4. When things get better and better when least expecting it

Question ID : **26433090799**
Status : **Answered**
Chosen Option : **4**

Q.18 **Select the most appropriate synonym of the given word.**

Unbiased

Ans
1. Organisational
2. Objective
3. Definitive
4. Subjective

Question ID : **26433091815**
Status : **Answered**
Chosen Option : **1**

Q.19 **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.**

The present-century threats to our environment, / which include interfering species, ailments, pollution and / a boiling temperature, were putting wildlife populations at peril.

Ans
1. which include interfering species, ailments, pollution, and
2. The present-century threats to our environment
3. a boiling temperature, were putting wildlife populations at peril
4. No error

Question ID : **26433073771**
Status : **Not Answered**
Chosen Option : **--**

Q.20 **Describe how you will tell your friends that Mr. Ram uses multimedia for teaching the children in passive voice.**

Ans

✗ 1. Multimedia is using for teaching the children.

✓ 2. Multimedia is used by Mr. Ram for teaching the children.

✗ 3. Multimedia is used for teach the children by Mr. Ram.

✗ 4. Mr. Ram use multimedia for teaching the children.

Question ID : **264330122769**
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.

Socrates is flying. No, he is (1) _____ . The wings behind him beat in a calming rhythm (2) _____ the cool air rushes past. His wings are all that matter, (3) _____ at the rushing wind like the sails of some great sea vessel, the feathery appendages all he is and all he will ever want to be. His back muscles flex with the (4) _____ that takes him high above the ground. He feels the effort, of course, but sweeping into the sky does not require much of one. The (5) _____ is pleasurable, even exhilarating. With flight there is freedom beyond description, an ecstasy bordering on emotional.

SubQuestion No : 21

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

Ans

✓ 1. soaring

✗ 2. sluggish

✗ 3. pertinent

✗ 4. redundant

Question ID : **264330136467**
Status : **Not Answered**
Chosen Option : **--**

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.

Socrates is flying. No, he is (1) _____ . The wings behind him beat in a calming rhythm (2) _____ the cool air rushes past. His wings are all that matter, (3) _____ at the rushing wind like the sails of some great sea vessel, the feathery appendages all he is and all he will ever want to be. His back muscles flex with the (4) _____ that takes him high above the ground. He feels the effort, of course, but sweeping into the sky does not require much of one. The (5) _____ is pleasurable, even exhilarating. With flight there is freedom beyond description, an ecstasy bordering on emotional.

SubQuestion No : 22

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

Ans

✗ 1. unless

✗ 2. much

✗ 3. since

✓ 4. while

Question ID : **264330136468**
Status : **Not Answered**
Chosen Option : **--**

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.

Socrates is flying. No, he is (1) _____ . The wings behind him beat in a calming rhythm (2) _____ the cool air rushes past. His wings are all that matter, (3) _____ at the rushing wind like the sails of some great sea vessel, the feathery appendages all he is and all he will ever want to be. His back muscles flex with the (4) _____ that takes him high above the ground. He feels the effort, of course, but sweeping into the sky does not require much of one. The (5) _____ is pleasurable, even exhilarating. With flight there is freedom beyond description, an ecstasy bordering on emotional.

SubQuestion No : 23

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

Ans

✗ 1. losing

✓ 2. snapping

✗ 3. cleaning

✗ 4. limiting

Question ID : **264330136469**
Status : **Not Answered**
Chosen Option : **--**

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.

Socrates is flying. No, he is (1) _____ . The wings behind him beat in a calming rhythm (2) _____ the cool air rushes past. His wings are all that matter, (3) _____ at the rushing wind like the sails of some great sea vessel, the feathery appendages all he is and all he will ever want to be. His back muscles flex with the (4) _____ that takes him high above the ground. He feels the effort, of course, but sweeping into the sky does not require much of one. The (5) _____ is pleasurable, even exhilarating. With flight there is freedom beyond description, an ecstasy bordering on emotional.

SubQuestion No : 24

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

Ans

✗ 1. affection

✓ 2. effort

✗ 3. manipulation

✗ 4. litigation

Question ID : **264330136470**
Status : **Not Answered**
Chosen Option : **--**

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.

Socrates is flying. No, he is (1) _____ . The wings behind him beat in a calming rhythm (2) _____ the cool air rushes past. His wings are all that matter, (3) _____ at the rushing wind like the sails of some great sea vessel, the feathery appendages all he is and all he will ever want to be. His back muscles flex with the (4) _____ that takes him high above the ground. He feels the effort, of course, but sweeping into the sky does not require much of one. The (5) _____ is pleasurable, even exhilarating. With flight there is freedom beyond description, an ecstasy bordering on emotional.

SubQuestion No : 25

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

Ans

✔ 1. sensation

✘ 2. indignation

✘ 3. lamination

✘ 4. perversion

Question ID : **264330136471**
Status : **Not Answered**
Chosen Option : **--**