Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	14/07/2023
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.**
MN _ _ SM _ PO _ _ N _ OSM _ P _ S

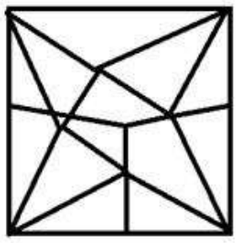
Ans
✓ 1. PONSMPNO
✗ 2. PNOSMPNO
✗ 3. PONMSPNO
✗ 4. PONSNOMP

Question ID : **26433090007**
Status : **Answered**
Chosen Option : **1**

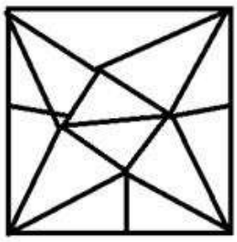
Q.2 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

Ans

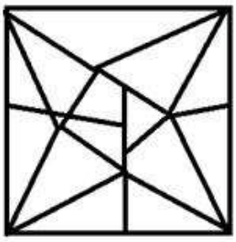
✔ 1.



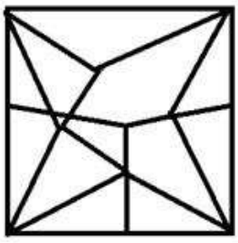
✘ 2.



✘ 3.

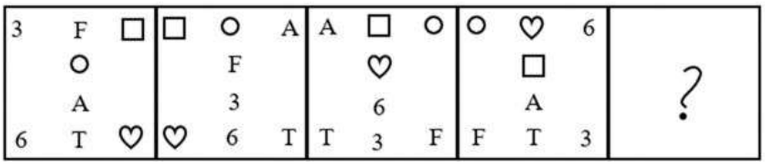


✘ 4.

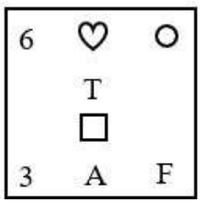


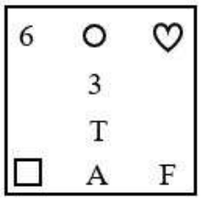
Question ID : **26433057370**
Status : **Answered**
Chosen Option : **1**

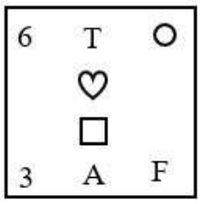
Q.3 Select the figure that will replace the question mark (?) in the following figure series.

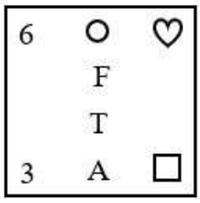


Ans

1. 

2. 

3. 

4. 

Question ID : **264330143829**
Status : **Answered**
Chosen Option : **4**

Q.4 **Which number should replace the question mark (?) in the following number series?**
39, 42, 48, 57, 69, ?, 102

Ans

1. 87
2. 79
3. 81
4. 84

Question ID : **26433090125**
Status : **Answered**
Chosen Option : **4**

Q.5 **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)
(8, 44, 3)
(12, 60, 3)

Ans
✔ 1. (12, 68, 5)
✘ 2. (8, 50, 2)
✘ 3. (17, 56, 9)
✘ 4. (23, 98, 5)

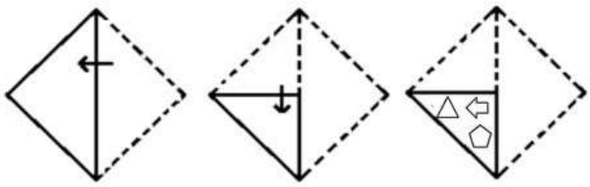
Question ID : **26433079124**
Status : **Answered**
Chosen Option : **1**

Q.6 **Which of the following numbers will replace the question mark (?) in the given series?**
33, 80, 108, ?, 183, 230, 258

Ans
✘ 1. 160
✔ 2. 155
✘ 3. 143
✘ 4. 138

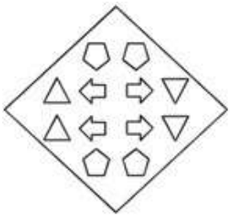
Question ID : **264330103125**
Status : **Answered**
Chosen Option : **2**

Q.7 A paper is folded and cut as shown below. How will it appear when unfolded?

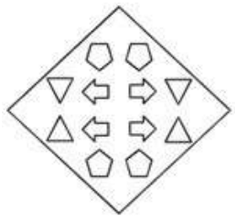


Ans

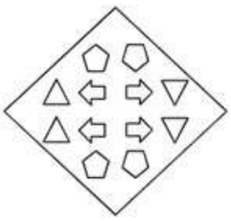
✗ 1.



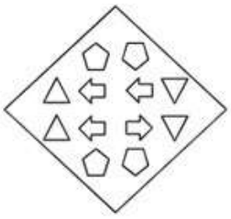
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433080557**
Status : **Answered**
Chosen Option : **2**

Q.8 **Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.**
150 * 3 * 10 * 2 * 7 * 46

Ans

✓ 1. ÷, +, −, ×, =

✗ 2. −, ×, +, ÷, =

✗ 3. +, −, ÷, ×, =

✗ 4. ×, +, ÷, −, =

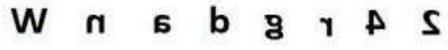
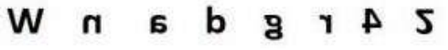
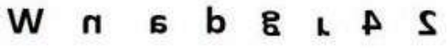
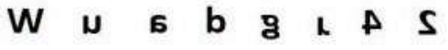
Question ID : **264330123255**
Status : **Answered**
Chosen Option : **1**

Q.9 **Select the set in which the number are related in the same way as 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.)**
(31, 47, 35)
(51, 67, 55)

Ans
✗ 1. (33, 47, 35)
✗ 2. (32, 39, 27)
✓ 3. (13, 29, 17)
✗ 4. (21, 36, 35)

Question ID : **26433069103**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.

Ans
✓ 1. 
✗ 2. 
✗ 3. 
✗ 4. 

Question ID : **26433070257**
Status : **Answered**
Chosen Option : **1**

Q.11 **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)**
Orthopaedic : Bone :: Cardiologist : ?

Ans
✗ 1. Kidney
✓ 2. Heart
✗ 3. Lungs
✗ 4. Brain

Question ID : **26433067809**
Status : **Answered**
Chosen Option : **2**

Q.12 **Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series.**
_ V J R W B _ _ R W B V L _ _ B V _ _ W

Ans
1. A V K R W M R
2. A W K R X N R
3. B V K R W M R ✓
4. B W K R W M R

Question ID : **264330143751**
Status : **Answered**
Chosen Option : **3**

Q.13 **Three statements are given, followed by four conclusions numbered I, II, III and IV. 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:
Some coolers are mixers.
Some mixers are scissors.
Some scissors are knives.

Conclusions:
I. Some knives are mixers.
II. Some scissors are coolers.
III. Some knives are coolers.
IV. No knife is a mixer.

Ans
1. Only conclusions III and IV follow
2. Only conclusions I and III follow
3. None of the conclusions follow ✓
4. Only conclusions II and IV follow

Question ID : **264330145439**
Status : **Answered**
Chosen Option : **3**

Q.14 **Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.**
NHT : PEX : : KDF : MAJ :: UMR : ?

Ans
1. WJV ✓
2. VJW
3. WPN
4. XIW

Question ID : **264330102972**
Status : **Answered**
Chosen Option : **1**

Q.15 **Which of the following is a leap year?**

Ans
1. 1076 ✓
2. 1675
3. 1354
4. 1998

Question ID : **26433067253**
Status : **Answered**
Chosen Option : **1**

Q.16 **Pointing to Suresha, I said, "She is the daughter of the brother of the son of my wife." How am I related to Suresha?**

Ans
✗ 1. Grandmother
✗ 2. Grand aunt
✓ 3. Grandfather
✗ 4. Grand uncle

Question ID : **264330106103**
Status : **Answered**
Chosen Option : **3**

Q.17 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '4'.

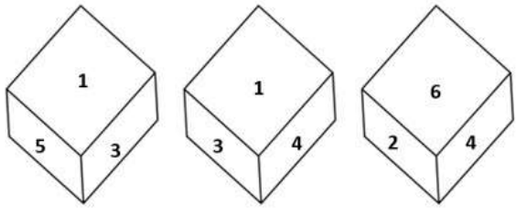


Figure 1 Figure 2 Figure 3

Ans
✗ 1. 6
✓ 2. 5
✗ 3. 1
✗ 4. 2

Question ID : **26433069437**
Status : **Answered**
Chosen Option : **2**

Q.18 **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.**
WOODLAND : ZIRXOUQX :: PERIODIC : SYUCRXLW :: MAGAZINE : ?

Ans
✗ 1. HERDWBMO
✗ 2. LPWXSYCZ
✗ 3. NSCAQOLP
✓ 4. PUJUCCQY

Question ID : **26433069031**
Status : **Answered**
Chosen Option : **4**

Q.19 **Three of the following four triads are alike in a certain way as they are formed by performing same mathematical operations among themselves and thus form a group. Which triad does NOT belong to that group?**

Ans
✗ 1. 36 : 13 : 7
✗ 2. 16 : 9 : 5
✓ 3. 72 : 16 : 8
✗ 4. 1 : 3 : 2

Question ID : **264330143693**
Status : **Answered**
Chosen Option : **3**

Q.20 **Which two signs should be interchanged to make the given equation correct?**
294 + 14 × 4 ÷ 16 - 67 = 33

Ans
✔ 1. + and ÷
✘ 2. × and ÷
✘ 3. + and -
✘ 4. - and ÷

Question ID : **26433059948**
Status : **Answered**
Chosen Option : **1**

Q.21 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans
✘ 1. KPH
✘ 2. GTD
✘ 3. DWA
✔ 4. EVC

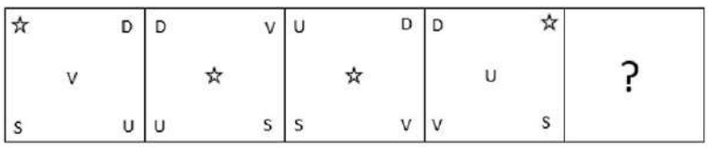
Question ID : **26433092557**
Status : **Answered**
Chosen Option : **4**

Q.22 **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)
(14, 378, 9)
(18, 432, 8)

Ans
✘ 1. (5, 125, 8)
✔ 2. (15, 405, 9)
✘ 3. (15, 305, 7)
✘ 4. (11, 265, 8)

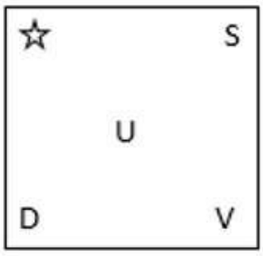
Question ID : **264330130210**
Status : **Answered**
Chosen Option : **2**

Q.23 Select the figure from the options that can replace the question mark (?) and complete the given pattern.

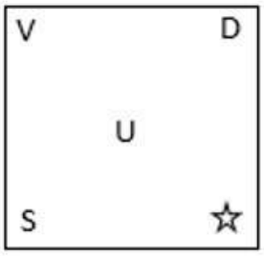


Ans

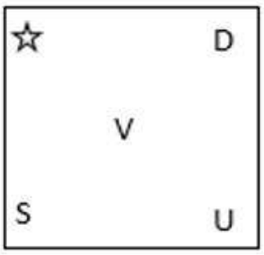
✗ 1.



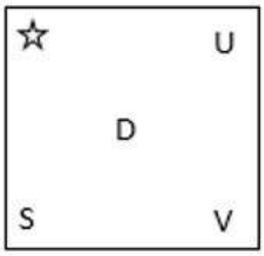
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433085787**
Status : **Answered**
Chosen Option : **2**

Q.24 **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 grains.
All pulses are grains.
All grains are edibles.

Conclusions:
I. All rice are edibles.
II. All pulses are edible.
III. Some edibles are grains.

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 : **26433090921**
Status : **Answered**
Chosen Option : **1**

Q.25 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Strident
2. Student
3. Shirking
4. Stuffy
5. Spider
6. Spawn

Ans
✔ 1. 3, 6, 5, 1, 2, 4
✘ 2. 3, 5, 6, 1, 2, 4
✘ 3. 3, 6, 5, 1, 4, 2
✘ 4. 3, 5, 6, 1, 4, 2

Question ID : **264330129459**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **Which of the following musical instruments were played by the musicians such as Shakoor Khan and Pandit Ram Narayan?**

Ans
✔ 1. Sarangi
✘ 2. Shehnai
✘ 3. Guitar
✘ 4. Veena

Question ID : **264330130500**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **According to IBEF 2021, the Indian pharmaceutical industry ranks _____ in the world on the basis of volume.**

Ans
✘ 1. 9^{th}
✘ 2. 5^{th}
✘ 3. 11^{th}
✔ 4. 3^{rd}

Question ID : **264330111310**
Status : **Answered**
Chosen Option : **4**

Q.3 When did Linus Carl Pauling receive the Nobel Prize in Chemistry for 'his research into the nature of the chemical bond and its applications to the elucidation of the structure of complex substances'?

Ans
✓ 1. 1954
✗ 2. 1950
✗ 3. 1956
✗ 4. 1958

Question ID : **264330144051**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Daskathia of _____ is the tribal dance performed by two males depicting the historic and Puranic events.

Ans
✗ 1. Uttar Pradesh
✗ 2. Gujarat
✗ 3. Goa
✓ 4. Odisha

Question ID : **264330106187**
Status : **Answered**
Chosen Option : **4**

Q.5 KA Najeeb Vs Union of India case deals with violation of rights under_____.

Ans
✗ 1. Article 16
✓ 2. Article 21
✗ 3. Article 14
✗ 4. Article 19

Question ID : **26433061849**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Which of the following is the red algae?

Ans
✓ 1. Rhodophyceae
✗ 2. Chlorophyceae
✗ 3. Liverwort
✗ 4. Phaeophyceae

Question ID : **26433066476**
Status : **Not Answered**
Chosen Option : **--**

Q.7 What will be the atomic number of an element X which is placed in period 2 and group 17?

Ans
✗ 1. 8
✗ 2. 7
✗ 3. 10
✓ 4. 9

Question ID : **264330109902**
Status : **Answered**
Chosen Option : **2**

Q.8 **In which two consecutive years was there no chief guest at the Republic Day celebrations of India?**

Ans
- ✔ 1. 2021 and 2022
- ✘ 2. 2019 and 2020
- ✘ 3. 2020 and 2021
- ✘ 4. 2018 and 2019

Question ID : **264330111143**
Status : **Answered**
Chosen Option : **1**

Q.9 **Fisher's quantity theory is explained by his famous equation given as _____.**

Ans
- ✘ 1. MP = VT
- ✔ 2. MV = PT
- ✘ 3. MT = PV
- ✘ 4. PV = MV

Question ID : **264330109971**
Status : **Answered**
Chosen Option : **2**

Q.10 **Before the rise of the modern industrial system, Indian exports consisted chiefly of manufactures like_____.**

Ans
- ✘ 1. electricals
- ✘ 2. chemicals
- ✘ 3. light machinery
- ✔ 4. cotton and silk fabrics

Question ID : **264330112478**
Status : **Answered**
Chosen Option : **4**

Q.11 **The Kanchenjunga peak is located in which sub-division of Himalaya from the following?**

Ans
- ✘ 1. Kashmir Himalayas
- ✔ 2. Darjeeling and Sikkim Himalayas
- ✘ 3. Himachal and Uttaranchal Himalayas
- ✘ 4. Arunachal Himalayas

Question ID : **264330119233**
Status : **Answered**
Chosen Option : **2**

Q.12 **Guru Bipin Singh, a Nrityacharya awardee, Sangeet Natak Akademi awardee and Kalidas Samman awardee, was renowned for promoting which classical dance form?**

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

Question ID : **26433055429**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **Who holds the authority of transferring judges from one High court to another High Court?**

Ans
✗ 1. The senior most judge of Supreme Court
✗ 2. The chief justice of India
✓ 3. The President of India
✗ 4. The law minister of India

Question ID : **264330114407**
Status : **Answered**
Chosen Option : **3**

Q.14 **_____ is the process of complete or incomplete oxidation or hydrolysis of fats and oils when exposed to air, light, moisture, or bacterial action that spoils food.**

Ans
✓ 1. Rancidification
✗ 2. Hydrogenation
✗ 3. Auto-oxidation
✗ 4. Auto reduction

Question ID : **264330110030**
Status : **Answered**
Chosen Option : **1**

Q.15 **Which of the following is a Tibeto-Burmese language?**

Ans
✗ 1. Odia
✓ 2. Tripuri
✗ 3. Assamese
✗ 4. Tulu

Question ID : **264330109504**
Status : **Answered**
Chosen Option : **2**

Q.16 **Who among the following was the author of the play 'Mrichchhakatika'?**

Ans
✗ 1. Kalidasa
✗ 2. Amarasimha
✓ 3. Shudraka
✗ 4. Bhasa

Question ID : **264330113560**
Status : **Answered**
Chosen Option : **1**

Q.17 **Select the FALSE statement from the given options.**

Ans
✓ 1. Baikal rocks are formed from the dissolved materials that precipitate from the solution.
✗ 2. The sedimentary rocks are formed by the deposition and subsequent cementation of that material within bodies of water and at the surface of the earth.
✗ 3. Metamorphic rocks may be formed simply by being deep beneath the Earth's surface, subjected to high temperatures and the great pressure of the rock layers above it.
✗ 4. Igneous rock is formed through the cooling and solidification of magma or lava.

Question ID : **26433064190**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **Pathans in North-West India organised the society of Khudai Khidmatgars, popularly known as Red Shirt, under whose leadership?**

Ans
- ✗ 1. Muhammad Ali
- ✗ 2. MA Ansari
- ✓ 3. Khan Abdul Ghaffar Khan
- ✗ 4. Hasrat Mohani

Question ID : **264330132675**
Status : **Answered**
Chosen Option : **3**

Q.19 **In which of the following States/Union Territories were the 36th National Games held?**

Ans
- ✗ 1. Rajasthan
- ✗ 2. New Delhi
- ✓ 3. Gujarat
- ✗ 4. Kerala

Question ID : **264330113750**
Status : **Answered**
Chosen Option : **3**

Q.20 **Which of the following was established in Bombay in 1875?**

Ans
- ✗ 1. Satyashodhak Samaj
- ✗ 2. Aligarh movement
- ✗ 3. Brahma Samaj
- ✓ 4. Arya Samaj

Question ID : **264330111413**
Status : **Answered**
Chosen Option : **4**

Q.21 **Which of the following options conveys the meaning of the word 'Republic' in the Indian Constitution?**

Ans
- ✓ 1. Elected head
- ✗ 2. Nominated head
- ✗ 3. Subordinate head
- ✗ 4. Hereditary head

Question ID : **264330110557**
Status : **Answered**
Chosen Option : **1**

Q.22 **Who among the following was defeated in the battle of Chanderi in 1528?**

Ans
- ✗ 1. Shershah Suri
- ✗ 2. Babur
- ✗ 3. Sikandar Lodi
- ✓ 4. Medini Rai

Question ID : **264330111390**
Status : **Answered**
Chosen Option : **4**

Q.23 **The venue of the 2020 Olympic Games was _____.**

Ans
✗ 1. Sydney
✗ 2. Rio
✓ 3. Tokyo
✗ 4. Los Angeles

Question ID : **264330110352**
Status : **Answered**
Chosen Option : **3**

Q.24 **When was the International Day of the Girl Child 2021 celebrated?**

Ans
✗ 1. 14 October
✗ 2. 12 October
✗ 3. 13 October
✓ 4. 11 October

Question ID : **26433069808**
Status : **Answered**
Chosen Option : **1**

Q.25 **In January 2022, which State Government has extended its integrated initiative for the empowerment of persons with disabilities (PwDs) — the Bhima Bhoi Bhinnakhyama Samarthya Abhiyan (BBSA) – for the next five years?**

Ans
✓ 1. Odisha
✗ 2. Manipur
✗ 3. Jharkhand
✗ 4. West Bengal

Question ID : **26433055575**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 **In a race around a circular cycling track of 75 km, two cyclists are riding at a speed of 30 km/h and 25 km/h. After what time (in hours) will they meet at the point from where they started their journey?**

Ans
✗ 1. 16
✗ 2. 7
✗ 3. 14
✓ 4. 15

Question ID : **264330119532**
Status : **Answered**
Chosen Option : **4**

Q.2 **P is two times more efficient than Q. P is able to complete a piece of work in 40 days less than Q. Working together, the whole number of days taken by them to complete the work is:**
(Round off to the nearest integer)

Ans
✗ 1. 26
✗ 2. 25
✓ 3. 27
✗ 4. 28

Question ID : **264330110270**
Status : **Answered**
Chosen Option : **3**

Q.3 **In an election, 2% persons enrolled in the voter list did not participate and 500 votes were invalid. Two candidates A and B fought the election, and A defeated B by 200 votes. If 43% of the persons enrolled in the voter list casted their votes in favour of A, then what is the number of the total casted votes?**

Ans

✔ 1. 2450

✘ 2. 2800

✘ 3. 3000

✘ 4. 3250

Question ID : **264330130405**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Evaluate the following.**
sin 25° sin 65° – cos 25° cos 65°.

Ans

✘ 1. 40

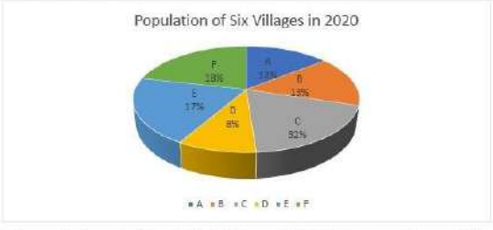
✘ 2. 4

✔ 3. 0

✘ 4. 1

Question ID : **264330143578**
Status : **Answered**
Chosen Option : **3**

Q.5 Study the given pie chart and answer the question that follows.



The population of village D in 2020 was 10,500. What was the population of village A in 2020? Total population of these six villages is 100%.

Ans

✘ 1. 15,570

✔ 2. 15,750

✘ 3. 17,550

✘ 4. 7,875

Question ID : **26433076217**
Status : **Answered**
Chosen Option : **2**

Q.6 What is the value of $64x^3 + 38x^2y + 20xy^2 + y^3$, when $x = 3$ and $y = -4$?

Ans

✘ 1. 1236

✘ 2. 488

✘ 3. 536

✔ 4. 1256

Question ID : **264330114550**
Status : **Answered**
Chosen Option : **4**

Q.7 X and Y can complete a work in 9 days and 36 days, respectively. X begins to do the work and they work alternately one at a time for one day each. The whole work will be complete in:

Ans
1. $12\frac{1}{2}$ days
2. $14\frac{1}{4}$ days
3. $13\frac{1}{3}$ days
4. $15\frac{1}{5}$ days

Question ID : **264330106024**
Status : **Answered**
Chosen Option : **2**

Q.8 A shopkeeper uses 940 gm weight in place of one kg weight. He sells it at 4% profit. What will be the actual profit percentage? (rounded off to two decimal places)

Ans
1. 9.25%
2. 10.32%
3. 10.64%
4. 10.96%

Question ID : **26433082381**
Status : **Answered**
Chosen Option : **4**

Q.9 If D is the midpoint of BC in $\triangle ABC$ and $\angle A = 90^{\circ}$, then AD = _____.

Ans
1. $\frac{BC}{4}$
2. $2BC$
3. $\frac{BC}{2}$
4. BC

Question ID : **264330143566**
Status : **Answered**
Chosen Option : **3**

Q.10 In what ratio must water be mixed with milk, costing₹32 per litre, in order to get a mixture costing₹28 per litre?

Ans
1. 8 : 1
2. 1 : 7
3. 1 : 8
4. 7 : 1

Question ID : **264330103934**
Status : **Answered**
Chosen Option : **2**

Q.11 **5 women and 9 girls earn a total of ₹18,720 in 9 days, while 9 women and 16 girls earn a total of ₹ 52,080 in 14 days. How much will 12 women and 7 girls together earn (in ₹) in 13 days?**

Ans

✗ 1. 42510

✗ 2. 41990

✗ 3. 42380

✓ 4. 42120

Question ID : **264330114530**
Status : **Answered**
Chosen Option : **4**

Q.12 **An electronic store owner allows two successive discounts of 20% and 25% on each item. The store has a reward points scheme which enables a customer to get free shopping worth ₹0.10 on every 1 reward point credited to the customer's account on previous purchases from the store. A customer decides to buy a laptop that is marked at ₹72,000. What will be its net selling price if he has 2850 reward points to his credit?**

Ans

✗ 1. ₹43,200

✓ 2. ₹42,915

✗ 3. ₹42,215

✗ 4. ₹42,942

Question ID : **264330103540**
Status : **Answered**
Chosen Option : **2**

Q.13 What is the value of $a^3 + b^3 + c^3$ if $(a + b + c) = 0$?

Ans

✗ 1. $a^2 + b^2 + c^2 - 3abc$

✗ 2. 0

✓ 3. $3abc$

✗ 4. $a^2 + b^2 + c^2 - ab - bc - ca$

Question ID : **264330130054**
Status : **Answered**
Chosen Option : **3**

Q.14 **Evaluate the following:**
cos(36° + A).cos(36° − A) + cos(54° + A).cos(54° − A)

Ans

✗ 1. sin 2A

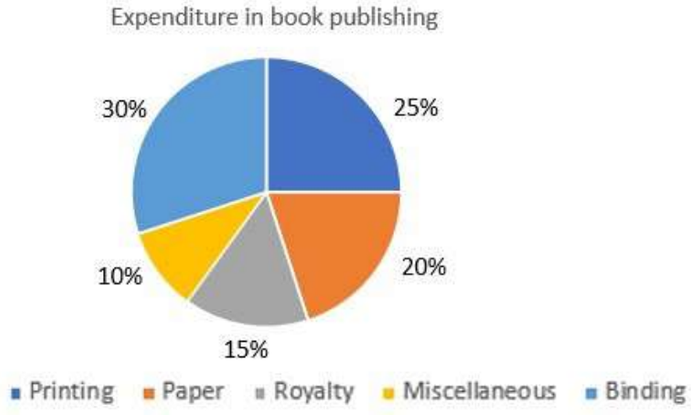
✗ 2. cos A

✗ 3. sin A

✓ 4. cos 2A

Question ID : **26433076061**
Status : **Answered**
Chosen Option : **4**

Q.15 **Study the given pie-chart and answer the question that follows.**
The pie-chart shows the expenditure incurred in the preparation of a book by a publisher, under various heads.



What is the difference between the angle of pie-chart showing the expenditure incurred on binding and printing?

Ans
✗ 1. 15°
✗ 2. 20°
✓ 3. 18°
✗ 4. 22°

Question ID : **264330131355**
Status : **Answered**
Chosen Option : **3**

Q.16 **If the total surface area of a cube is 24 sq.units, then what is the volume of the cube?**

Ans
✓ 1. 8 cu.units
✗ 2. 16 cu.units
✗ 3. 10 cu.units
✗ 4. 4 cu.units

Question ID : **26433082732**
Status : **Answered**
Chosen Option : **1**

Q.17 Find the simplified value of the given expression.

$$4\frac{4}{5} \div \frac{3}{5} \text{ of } 5 + \frac{4}{5} \times \frac{3}{10} - \frac{1}{5}$$

Ans
✗ 1. $1\frac{4}{5}$
✗ 2. 5
✓ 3. $1\frac{16}{25}$
✗ 4. 6

Question ID : **26433065257**
Status : **Answered**
Chosen Option : **3**

Q.18 **Let ABC, PQR be two congruent triangles such that angle A = angle P = 90°. If BC = 13cm, PR = 5cm, find AB.**

Ans

✔ 1. 12 cm

✘ 2. 8 cm

✘ 3. 10 cm

✘ 4. 5 cm

Question ID : **264330131360**
Status : **Answered**
Chosen Option : **1**

Q.19 **The mean proportion between 7 and 112 is:**

Ans

✘ 1. 42

✔ 2. 28

✘ 3. 21

✘ 4. 14

Question ID : **264330103672**
Status : **Answered**
Chosen Option : **2**

Q.20 **4 women or 6 boys can finish a work in the same number of days. A man can finish it in 60 days. In how many days can 5 women finish the work, working together every day?**

Ans

✘ 1. 4

✘ 2. 10

✔ 3. 8

✘ 4. 6

Question ID : **264330130181**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **A 15 cm long perpendicular is drawn from the centre of a circle to its 40 cm long chord. Find the radius of the circle.**

Ans

✔ 1. 25 cm

✘ 2. 27 cm

✘ 3. 22 cm

✘ 4. 20 cm

Question ID : **26433083005**
Status : **Answered**
Chosen Option : **1**

Q.22 What is the value of $\sec^2 54° - \cot^2 36° + \frac{3}{2}\sin^2 37° \times \sec^2 53° + \frac{2}{\sqrt{3}}\tan 60°$?

Ans

✗ 1. $\frac{5}{2}$

✓ 2. $\frac{9}{2}$

✗ 3. $\frac{3}{2}$

✗ 4. $\frac{7}{2}$

Question ID : **264330130048**
Status : **Answered**
Chosen Option : **2**

Q.23 **If the simple interest at the same interest rate on ₹500 for 4 years and ₹700 for 2 years, combined together, is ₹280, then what is the rate of interest?**

Ans

✗ 1. $9\frac{3}{17}\%$

✗ 2. $6\frac{5}{17}\%$

✓ 3. $8\frac{4}{17}\%$

✗ 4. $7\frac{3}{17}\%$

Question ID : **264330112848**
Status : **Answered**
Chosen Option : **3**

Q.24 **A thief steals a van at 3:00 a.m. and drives it at a speed of 57 km/h. The thief is discovered at 4:00 a.m. and the owner starts the chase with another van at a speed of 76 km/h. At what time will he catch the thief?**

Ans

✗ 1. 7:30 a.m.

✗ 2. 7:00 p.m.

✓ 3. 7:00 a.m.

✗ 4. 6:00 a.m.

Question ID : **264330130960**
Status : **Answered**
Chosen Option : **3**

Q.25 **The present age of Rahim is five times the present age of his daughter, Savita. Seven years from now, Rahim will be three times as old as Savita. What is the present age (in years) of Rahim?**

Ans

✗ 1. 45

✓ 2. 35

✗ 3. 40

✗ 4. 30

Question ID : **264330145544**
Status : **Answered**
Chosen Option : **2**

Section : **English Comprehension**

Q.1 **Select the most appropriate option to substitute the underlined segment in the given sentence.**

The boys and the teacher <u>wants to win</u>.

Ans
✗ 1. wants to won
✗ 2. want to won
✗ 3. want win
✓ 4. want to win

Question ID : **26433093024**
Status : **Answered**
Chosen Option : **4**

Q.2 **Select the most appropriate ANTONYM of the underlined word.**
He was <u>compelled</u> by everyone to join the group.

Ans
✗ 1. Demur
✗ 2. Obscured
✗ 3. Confessed
✓ 4. Induced

Question ID : **26433084669**
Status : **Answered**
Chosen Option : **1**

Q.3 **Select the most appropriate meaning of the given idiom.**

To kick the bucket

Ans
✗ 1. To be ill
✗ 2. Be sad
✗ 3. Be happy
✓ 4. To die

Question ID : **26433092866**
Status : **Answered**
Chosen Option : **4**

Q.4 **Identify and correct the INCORRECTLY spelt word in the given sentence.**
The Collector paid floral tributes to the statue of Mahatma Gandhi after hosting the flag.

Ans
✗ 1. floaral
✗ 2. stateu
✗ 3. trebutes
✓ 4. hoisting

Question ID : **26433099657**
Status : **Answered**
Chosen Option : **4**

Q.5 **Select the most appropriate ANTONYM of the underlined word.**

Do you know the old <u>adage</u> 'the show must go on'?

Ans
✓ 1. Misconstruction
✗ 2. Rebuke
✗ 3. Dare
✗ 4. Addiction

Question ID : **26433058334**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the most appropriate option to fill in the blank.**

She reminds me always that I _____ to be a little more careful.

Ans
✗ 1. had
✓ 2. have
✗ 3. must
✗ 4. has

Question ID : **26433089303**
Status : **Answered**
Chosen Option : **2**

Q.7 **Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.**
Mr. Khanna is quite _____(callous) towards the victims of earthquake.

Ans
✗ 1. rationalistic
✗ 2. unsympathetic
✓ 3. sympathetic
✗ 4. nondiplomatic

Question ID : **264330141150**
Status : **Answered**
Chosen Option : **3**

Q.8 **Sentences of a paragraph are given below. While the first and the last sentences (S1 and S6) are in the correct order, the sentences in between are jumbled up and named P, Q, R, S. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

(S1) Newspapers, especially of the popular variety, aim to do two things: to inform and to entertain.
(P) Entertainment may be principally found in the centre pages of the newspaper in some of the feature articles and in some local news stories.
(Q) The principal aim of the short news report on the front pages is to inform.
(R) Most newspapers are published daily, and the news reporters must make sure that they have up-to-the minute news.
(S) In their news reports they will aim to create a sense of immediacy, to convey the impression that they have 'rushed' the news to the reader and 'that the information contained is the very latest.'
(S6) Reporters also wish to create a sense of authenticity, that is, that their news is accurate and genuine.

Ans
✗ 1. Q, S, R, P
✗ 2. R, P, S, Q
✗ 3. S, R, P, Q
✓ 4. P, Q, R, S

Question ID : **26433073269**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **Select the most appropriate synonym of the given word from the sentence.**
Ready
She was preparing dinner in an organised manner using well-equipped tools while listening to the radio.

Ans
✓ 1. Preparing
✗ 2. Listening
✗ 3. Organised
✗ 4. Equipped

Question ID : **264330137244**
Status : **Answered**
Chosen Option : **1**

Q.10 **Identify how you will ask everyone if the children were not reading the books in passive voice.**

Ans

✗ 1. Were the books being read by the children?

✓ 2. Were the books not being read by the children?

✗ 3. Were the book not being read by the children?

✗ 4. Were the children reading the books?

Question ID : **264330121854**
Status : **Answered**
Chosen Option : **2**

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

Hostile

Ans

✗ 1. Pleasant

✗ 2. Hospitable

✗ 3. Empathetic

✓ 4. Unfriendly

Question ID : **26433073696**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**

The fact that God created man in his personal view by giving him an intellectual spirit elevates him above the beasts of the field.

Ans

✗ 1. own glory

✗ 2. own capacity

✓ 3. own image

✗ 4. own idea

Question ID : **26433098907**
Status : **Answered**
Chosen Option : **2**

Q.13 **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. During the summer, I noticed that the leaves of the tree were beginning to wither.
B. I am especially proud of it, not only because it has survived several winters, but because it occasionally produces luscious peaches.
C. The tree had grown against a warm wall on a sheltered side of the house.
D. Last summer, I spent many days in the garden watching thousands of ants crawling up the trunk of my prize peach tree.

Ans

✓ 1. DCBA

✗ 2. ABCD

✗ 3. CDBA

✗ 4. BDAC

Question ID : **26433096961**
Status : **Not Answered**
Chosen Option : **--**

Q.14 **Select the option that expresses the given sentence in active voice.**
Was the bag packed by Mary?

Ans
1. Was Mary pack the bag?
2. Is Mary packing the bag?
3. Do Mary pack the bag?
4. Did Mary pack the bag?

Question ID : **264330141137**
Status : **Answered**
Chosen Option : **4**

Q.15 **Select the most appropriate ANTONYM of the word 'Optimistic' from the given sentence.**

After the incident, Radha prepared herself to stay positive even in gloomy days.

Ans
1. stay
2. incident
3. positive
4. gloomy

Question ID : **26433089834**
Status : **Answered**
Chosen Option : **4**

Q.16 **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.**
After knowing truth, / the jury took the right decision / in the case.

Ans
1. The jury took the right decision
2. In the case
3. After knowing truth
4. No error

Question ID : **264330123039**
Status : **Answered**
Chosen Option : **3**

Q.17 **In the following sentence, four words are underlined, out of which one word is incorrectly spelt. Identify the INCORRECTLY spelt word.**
A lot of spontanity is required from the speaker in an extempore speech. The speaker is expected to brainstorm ideas and give speech instantaneously .

Ans
1. instantaneously
2. extempore
3. brainstorm
4. spontanity

Question ID : **264330123792**
Status : **Answered**
Chosen Option : **3**

Q.18 **Select the option that can be used as a one-word substitute for the given group of words.**

A person who believes that laws and governments are not necessary.

Ans

✗ 1. Antagonist

✗ 2. Antichrist

✓ 3. Anarchist

✗ 4. Adversary

Question ID : **26433087906**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the most appropriate meaning of the given idiom.**

Miss the boat

Ans

✓ 1. Missing a good opportunity

✗ 2. Missing your medium of travel

✗ 3. Missing good moments of your life

✗ 4. Being too late

Question ID : **26433090463**
Status : **Answered**
Chosen Option : **1**

Q.20 **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. The outcome is much more likely to be favourable if there is substantial international aid than if there is not.
B. Many of the underdeveloped countries will promote the growth of their economies in one way or the other, no matter whether they receive substantial outside aid in the process or not.
C. By substantial aid I mean not only large amounts of technical assistance but also of capital.
D. The character of that development, however, is likely to be strongly influenced by the types of and amounts of aid available.

Ans

✓ 1. BDAC

✗ 2. ABDC

✗ 3. DABC

✗ 4. DBCA

Question ID : **26433098962**
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 Sun is the star at the center of (1) _____ Solar System. It is a nearly perfect ball of hot plasma. The Sun has inspired us since ancient times. It's central to mythology and religion in (2) _____ around the world. It keeps our planet warm enough for living things to grow. It gives us light so we can see. It is by far the most important (3) _____of energy for life on Earth. It is about a hundred times as wide (4)_____ the Earth. If there were no sun, many things wouldn't occur like photosynthesis or the presence of oxygen, which would have caused no (5) _____ of life.

SubQuestion No : 21

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

Ans
✗ 1. typical
✗ 2. huge
✓ 3. the
✗ 4. a

Question ID : **264330145524**
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 Sun is the star at the center of (1) _____ Solar System. It is a nearly perfect ball of hot plasma. The Sun has inspired us since ancient times. It's central to mythology and religion in (2) _____ around the world. It keeps our planet warm enough for living things to grow. It gives us light so we can see. It is by far the most important (3) _____of energy for life on Earth. It is about a hundred times as wide (4)_____ the Earth. If there were no sun, many things wouldn't occur like photosynthesis or the presence of oxygen, which would have caused no (5) _____ of life.

SubQuestion No : 22

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

Ans
✓ 1. cultures
✗ 2. processes
✗ 3. scenes
✗ 4. types

Question ID : **264330145525**
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 Sun is the star at the center of (1) _____ Solar System. It is a nearly perfect ball of hot plasma. The Sun has inspired us since ancient times. It's central to mythology and religion in (2) _____ around the world. It keeps our planet warm enough for living things to grow. It gives us light so we can see. It is by far the most important (3) _____of energy for life on Earth. It is about a hundred times as wide (4)_____ the Earth. If there were no sun, many things wouldn't occur like photosynthesis or the presence of oxygen, which would have caused no (5) _____ of life.

SubQuestion No : 23

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

Ans
✗ 1. gesture
✓ 2. source
✗ 3. control
✗ 4. symbol

Question ID : **264330145526**
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 Sun is the star at the center of (1) _____ Solar System. It is a nearly perfect ball of hot plasma. The Sun has inspired us since ancient times. It's central to mythology and religion in (2) _____ around the world. It keeps our planet warm enough for living things to grow. It gives us light so we can see. It is by far the most important (3) _____of energy for life on Earth. It is about a hundred times as wide (4)_____ the Earth. If there were no sun, many things wouldn't occur like photosynthesis or the presence of oxygen, which would have caused no (5) _____ of life.

SubQuestion No : 24

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

Ans

✗ 1. about

✓ 2. as

✗ 3. like

✗ 4. than

Question ID : **264330145527**
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 Sun is the star at the center of (1) _____ Solar System. It is a nearly perfect ball of hot plasma. The Sun has inspired us since ancient times. It's central to mythology and religion in (2) _____ around the world. It keeps our planet warm enough for living things to grow. It gives us light so we can see. It is by far the most important (3) _____of energy for life on Earth. It is about a hundred times as wide (4)_____ the Earth. If there were no sun, many things wouldn't occur like photosynthesis or the presence of oxygen, which would have caused no (5) _____ of life.

SubQuestion No : 25

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

Ans

✗ 1. skill

✗ 2. end

✗ 3. enhancement

✓ 4. existence

Question ID : **264330145528**
Status : **Answered**
Chosen Option : **4**