Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 1 Sector 62
Exam Date	13/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **Which two numbers from amongst the given options should be interchanged to make the given equation correct?**
168 ÷ 4 + 216 ÷ (78 × 1 – 8) = 14

Ans
✗ 1. 78 and 216
✗ 2. 14 and 8
✓ 3. 78 and 14
✗ 4. 216 and 168

Question ID : **26433067698**
Status : **Answered**
Chosen Option : **3**

Q.2 **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.)**
Bees : Swarm :: Monkeys : ?

Ans
✓ 1. Troop
✗ 2. Colony
✗ 3. Shoal
✗ 4. Herd

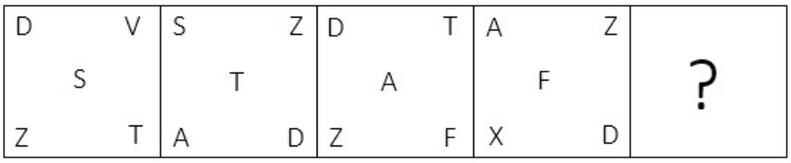
Question ID : **26433068358**
Status : **Marked For Review**
Chosen Option : **1**

Q.3 **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.)
Calf : Cattle :: Foal : ?

Ans
✗ 1. Elephant
✓ 2. Horse
✗ 3. Deer
✗ 4. Kangaroo

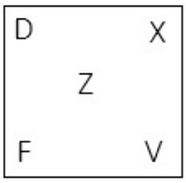
Question ID : **26433056812**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 Which figure should replace the question mark (?) if the series were to be continued?

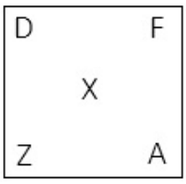


Ans

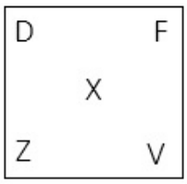
✗ 1.



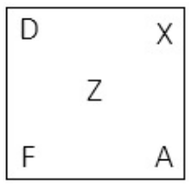
✗ 2.



✓ 3.

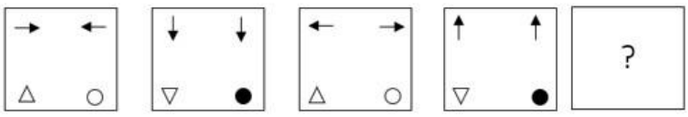


✗ 4.



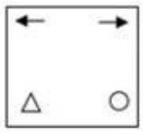
Question ID : **26433076652**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Select the figure from among the given options that can replace the question mark (?) in the following series.

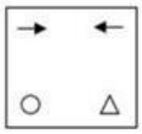


Ans

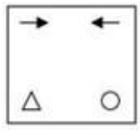
✗ 1.



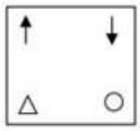
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433068709**
Status : **Answered**
Chosen Option : **3**

Q.6 **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)
(9, 343, 2)
(12, 729, 3)

Ans

✗ 1. (98, 49, 92)

✗ 2. (13, 4, 89)

✗ 3. (12, 66, 20)

✓ 4. (12, 125, 7)

Question ID : **26433079121**
Status : **Answered**
Chosen Option : **4**

Q.7 **In a certain code language, 'ORGANIZATION' is written as 'ORGANINOITAZ', 'MANAGEMENT' is written as 'MANAGTNEME'. How will 'RESOURCE' be written in that language?**

Ans

✗ 1. RESOECUR

✗ 2. RESOCERU

✗ 3. RESEOCRU

✓ 4. RESOECRU

Question ID : **26433068234**
Status : **Answered**
Chosen Option : **4**

Q.8 **Which number will replace the question mark (?) in the following series?**
12, 25, 51, 103, ?, 415, 831

Ans
✗ 1. 208
✓ 2. 207
✗ 3. 206
✗ 4. 200

Question ID : **26433067589**
Status : **Answered**
Chosen Option : **2**

Q.9 **In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.**
Statements:
I. Some Z are X.
II. Some W are Z.
Conclusions:
I. Some X are not W.
II. Some X are not Z.

Ans
✗ 1. Only conclusion I follows
✗ 2. Only conclusion II follows
✗ 3. Both conclusions I and II follows
✓ 4. Neither conclusion follows

Question ID : **264330104911**
Status : **Answered**
Chosen Option : **2**

Q.10 **In a certain code language, 'ANNUAL' is written as 'CPRYGR' and 'AMOUNT' is written as 'COSYTZ'. How will 'AGENDA' be written in that language?**

Ans
✗ 1. CIIRHE
✓ 2. CIIRJG
✗ 3. CIKTJG
✗ 4. CIGPFC

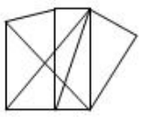
Question ID : **26433066023**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

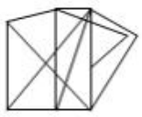
(X)

Ans

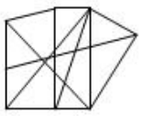
✗ 1.



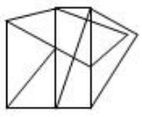
✗ 2.



✗ 3.



✓ 4.



Question ID : **26433068909**
Status : **Answered**
Chosen Option : **4**

Q.12 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

Ans

✓ 1. FHG

✗ 2. WZY

✗ 3. LON

✗ 4. ADC

Question ID : **26433069012**
Status : **Answered**
Chosen Option : **1**

Q.13 **If P × Q means that P is the mother of Q, P + Q means that P is the father of Q, P ÷ Q means that P is the sister of Q, then which of the following expression shows that A is the maternal aunt of C?**

Ans

✗ 1. A ÷ B + C

✗ 2. C × B ÷ A

✓ 3. A ÷ B × C

✗ 4. B ÷ C × A

Question ID : **264330104975**
Status : **Answered**
Chosen Option : **3**

Q.14 **Which of the following letter-clusters will replace the question mark (?) in the given series?**
TYG, ?, PSM, NPP, LMS

Ans

✗ 1. SVK

✗ 2. SUJ

✓ 3. RVJ

✗ 4. RUK

Question ID : **26433057986**
Status : **Answered**
Chosen Option : **3**

Q.15 **A – B means 'A is the mother of B'**
A * B means 'A is the husband of B'
A % B means 'A is the brother of B'
A $ B means 'A is the sister of B'
If I * J – K % L $ M * N, then how is I related to N?

Ans

✗ 1. Brother-in-law

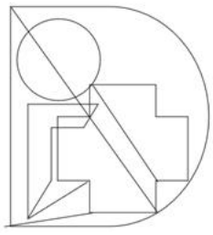
✓ 2. Father-in-law

✗ 3. Brother

✗ 4. Father

Question ID : **26433059904**
Status : **Answered**
Chosen Option : **2**

Q.16 Select the option figure that is embedded in the given figure. (Rotation is not allowed).



Ans

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **26433068852**
Status : **Answered**
Chosen Option : **1**

Q.17 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1- Thresh
2- Threadbare
3- Thrice
4- Threw
5- Threat

Ans
✗ 1. 2, 4, 5, 1, 3
✓ 2. 2, 5, 1, 4, 3
✗ 3. 2, 5, 4, 1, 3
✗ 4. 2, 1, 5, 4, 3

Question ID : **26433079450**
Status : **Answered**
Chosen Option : **2**

Q.18 **Select the correct combination of mathematical signs to sequentially replace the & signs, and to balance the given equation.**
[{(42 & 26) & (12 & 2)} & (4 & 5)] & 5 & 10

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

Question ID : **26433087058**
Status : **Answered**
Chosen Option : **3**

Q.19 **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:
Some mobiles are flat.
All flats are TVs.
Some TVs are plastic.

Conclusions:
I. Some mobiles are TVs.
II. Some flats are plastic.
III. All plastic are TVs.

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

Question ID : **26433074640**
Status : **Answered**
Chosen Option : **2**

Q.20 **By Interchanging the given two numbers which of the following equation will be not correct?**
7 and 4

Ans
✓ 1. 8 ÷ 6 × 9 + 7 – 4 = 12
✗ 2. 7 × 8 + 4 – 6 ÷ 3 = 37
✗ 3. 9 – 4 × 3 + 6 × 7 ÷ 1 =12
✗ 4. 4 × 8 – 9 ÷ 3 + 7 = 57

Question ID : **264330105111**
Status : **Answered**
Chosen Option : **2**

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)
(3, 16, 6)
(4, 22, 6)

Ans
✗ 1. (12, 50, 5)
✓ 2. (9, 70, 8)
✗ 3. (7, 43, 6)
✗ 4. (9, 10, 11)

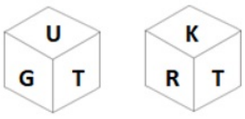
Question ID : **26433079120**
Status : **Answered**
Chosen Option : **2**

Q.22 **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**
TTDS, VMLP, XFTM, ZYBJ, ?

Ans
✗ 1. NDMO
✗ 2. TTMO
✗ 3. BQRT
✓ 4. BRJG

Question ID : **264330104822**
Status : **Answered**
Chosen Option : **4**

Q.23 Six letters T, P, K, G, R and U are written on different faces of a dice. Two positions of this dice are shown in the figure. Find the letter on the face opposite to K.



Ans
✓ 1. U
✗ 2. P
✗ 3. R
✗ 4. G

Question ID : **26433081086**
Status : **Answered**
Chosen Option : **1**

Q.24 **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.)
(4, 7, 165)
(14, 26, 600)

Ans
✗ 1. (23, 29, 567)
✗ 2. (5, 19, 225)
✓ 3. (3, 6, 135)
✗ 4. (17, 6, 325)

Question ID : **26433068384**
Status : **Not Answered**
Chosen Option : **--**

Q.25 **In the following question, four number pairs are given. In each pair the number on left side of (–) is related to the number of the right side of (–) with some Logic/Rule/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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. 22 – 40
✗ 2. 24 – 47
✗ 3. 18 – 35
✗ 4. 16 – 31

Question ID : **264330105060**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **The Nobel Prize in Chemistry 1951 was awarded jointly to Edwin Mattison McMillan and _____ for their discoveries in the chemistry of the transuranium elements**

Ans
✗ 1. Jacob Berzelius
✗ 2. Leon Jouhaux
✓ 3. Glenn T Seaborg
✗ 4. Albert Schweitzer

Question ID : **26433064086**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **The folk dance Hojagiri originated and is associated with which part of India?**

Ans
✗ 1. South
✓ 2. North-East
✗ 3. North
✗ 4. West

Question ID : **26433054317**
Status : **Answered**
Chosen Option : **2**

Q.3 **Which of the following states has maximum literacy rate according to census 2011?**

Ans
- ✔ 1. Mizoram
- ✘ 2. Arunachal Pradesh
- ✘ 3. Rajasthan
- ✘ 4. Bihar

Question ID : **264330105538**
Status : **Answered**
Chosen Option : **1**

Q.4 **In hockey, what is the meaning if the umpire signals by pointing both arms horizontally toward the centre of the field?**

Ans
- ✔ 1. Goal scored
- ✘ 2. Timing
- ✘ 3. Ball out of play
- ✘ 4. Bully

Question ID : **26433071568**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Who among the following revolutionaries was associated with Swadesh Bandhav Samiti?**

Ans
- ✘ 1. Chandrasekhar Azad
- ✘ 2. Bhagat Singh
- ✘ 3. Rajguru
- ✔ 4. Ashwini Kumar Dutta

Question ID : **26433085285**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **Based on Macaulay's Minute, the English Education Act was introduced in _____.**

Ans
- ✘ 1. 1875
- ✔ 2. 1835
- ✘ 3. 1855
- ✘ 4. 1815

Question ID : **264330105579**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **Which ministry organized 'Nari Shakti of North East' on the occasion of International Women's Day 2022?**

Ans
- ✔ 1. Ministry of Development of North Eastern Region
- ✘ 2. Ministry of Tribal Affairs
- ✘ 3. Ministry of Women and Child Development
- ✘ 4. Ministry of Social Justice and Empowerment

Question ID : **264330105254**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Mrinalini Sarabhai was awarded which of the following awards in 1992?**

Ans
1. Padma Shri
2. Padma Bhushan
3. Kalidas Samman
4. Padma Vibhushan

Question ID : **26433090703**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **The _____ and _____ determine the corridor for the daily movement in the weighted average call money rate.**

Ans
1. Reverse repo, discount rate
2. Marginal standing facility, Reverse repo rate
3. Liquidity adjustment facility, repo rate
4. Bank rate, repo rate

Question ID : **264330105378**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **Which of the following countries lies in the east of India?**

Ans
1. Sri-Lanka
2. Nepal
3. Bangladesh
4. Afghanistan

Question ID : **264330105653**
Status : **Answered**
Chosen Option : **3**

Q.11 **Which freedom is considered as the 'Hallmark of Democracy'?**

Ans
1. Right against exploitation
2. Right to freedom of religion
3. Freedom of assembly
4. Freedom of speech and expression

Question ID : **26433064830**
Status : **Answered**
Chosen Option : **4**

Q.12 **Which state government has launched the Kaushalya Matritva Yojana in September 2022?**

Ans
1. Chhattisgarh
2. Odisha
3. Himachal Pradesh
4. Kerala

Question ID : **264330105259**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Who among the following was popularly called the 'Australian Mother of Kathakali'?

Ans
✗ 1. Margot Fonteyn
✗ 2. Anna Pavlova
✗ 3. Yelena Andreyanova
✓ 4. Louise Lightfoot

Question ID : **26433082230**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Xuan Zang and other pilgrims spent time studying in Nalanda, the most famous Buddhist monastery, located in which of the following Indian state?

Ans
✗ 1. Odisha
✗ 2. Bengal
✓ 3. Bihar
✗ 4. Sikkim

Question ID : **264330105192**
Status : **Answered**
Chosen Option : **3**

Q.15 Which of the following is NOT correct about the eligibility criteria for being elected as Vice President of India?

Ans
✗ 1. He/She should be a citizen of India.
✗ 2. He/She should have completed 35 years of age.
✗ 3. He/She should not hold any office of profit under the Union Government/state government or any subordinate local authority.
✓ 4. He/She should be qualified for election as a member of the Lok Sabha.

Question ID : **26433069892**
Status : **Answered**
Chosen Option : **4**

Q.16 Baking soda is _____.

Ans
✗ 1. sodium carbonate
✗ 2. sodium sulphate
✓ 3. sodium hydrogencarbonate
✗ 4. sodium hydroxide

Question ID : **26433066460**
Status : **Answered**
Chosen Option : **1**

Q.17 Which of the following is NOT 'The Great Lakes' of North America?

Ans
✗ 1. Superior
✗ 2. Huron
✗ 3. Erie
✓ 4. Victoria

Question ID : **26433064469**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which of the following is a plant tissue?
I. Meristematic tissue
II. Permanent tissue

Ans
✗ 1. Only II
✓ 2. Both I and II
✗ 3. Neither I nor II
✗ 4. Only I

Question ID : **264330105453**
Status : **Not Answered**
Chosen Option : **--**

Q.19 In Triple Jump, white flag indicates:

Ans
✓ 1. trail is valid
✗ 2. trail is failure
✗ 3. trail with wind support
✗ 4. allow to trial

Question ID : **26433059447**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Which of the following substance has a pH value of about 14?

Ans
✗ 1. Blood
✓ 2. Sodium hydroxide
✗ 3. Milk of magnesia
✗ 4. Lemon Juice

Question ID : **264330105482**
Status : **Answered**
Chosen Option : **4**

Q.21 Which of the following folk dances does NOT belong to the state of Mizoram?

Ans
✓ 1. Munari
✗ 2. Chailam
✗ 3. Zangtalam
✗ 4. Cheraw

Question ID : **26433064651**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Which crop grows best on black soil?

Ans
✓ 1. Cotton
✗ 2. Coffee
✗ 3. Maize
✗ 4. Millets

Question ID : **264330105615**
Status : **Answered**
Chosen Option : **1**

Q.23 Who has been appointed as Secretary to President Droupadi Murmu in August 2022?

Ans

✗ 1. Ranjit Rath

✓ 2. Rajesh Verma

✗ 3. Suresh N Patel

✗ 4. Santosh Iyer

Question ID : **264330105329**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Identify the freedom fighter who, as a child, hated going to school and found it suffocating and oppressive.

Ans

✗ 1. Mahatma Gandhi

✗ 2. Jawaharlal Nehru

✗ 3. Jyotiba Phule

✓ 4. Rabindranath Tagore

Question ID : **26433085296**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Choose the correct pair from the following options.

Ans

✗ 1. Sixth Five-Year Plan - Rajiv Gandhi

✓ 2. Fifth Five-Year Plan - Indira Gandhi

✗ 3. Fourth Five-Year Plan - Jawaharlal Nehru

✗ 4. Seventh Five-Year Plan - PV Narasimha Rao

Question ID : **26433066632**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1

If $a = 45°$ and $b = 15°$, what is the value of $\frac{\cos(a-b)-\cos(a+b)}{\cos(a-b)+\cos(a+b)}$?

Ans

✗ 1. $2-2\sqrt{2}$

✗ 2. $3-\sqrt{6}$

✗ 3. $3-\sqrt{2}$

✓ 4. $2-\sqrt{3}$

Question ID : **26433061336**
Status : **Answered**
Chosen Option : **4**

Q.2 **The table given below shows the sales turnover of 5 different companies.**

Company	Sales turnover
A	120
B	80
C	200
D	250
E	150

The sales turnover of company A is what percent of the sales turnover of company C?

Ans
✔ 1. 60 percent
✘ 2. 50 percent
✘ 3. 40 percent
✘ 4. 75 percent

Question ID : **264330105761**
Status : **Answered**
Chosen Option : **1**

Q.3 **A triangle and a parallelogram have the same base 28 cm and the same area. If the height of the parallelogram is 12 cm, then find the length of the altitude of the triangle.**

Ans
✘ 1. 28 cm
✘ 2. 23 cm
✔ 3. 24 cm
✘ 4. 21 cm

Question ID : **26433065011**
Status : **Answered**
Chosen Option : **3**

Q.4 **Choose the option in which the numbers are in correct ascending order.**

Ans
✘ 1. $\frac{4}{5}, \frac{2}{3}, \frac{1}{11}$ and $\frac{2}{9}$
✔ 2. $\frac{1}{11}, \frac{2}{9}, \frac{2}{3}$ and $\frac{4}{5}$
✘ 3. $\frac{2}{9}, \frac{1}{11}, \frac{4}{5}$ and $\frac{2}{3}$
✘ 4. $\frac{2}{3}, \frac{4}{5}, \frac{1}{11}$ and $\frac{2}{9}$

Question ID : **26433096376**
Status : **Answered**
Chosen Option : **2**

Q.5 **The length of the chord of a circle is 24 cm, and the perpendicular distance between the centre and the chord is 5 cm. The radius of the circle is:**

Ans
✘ 1. 10 cm
✔ 2. 13 cm
✘ 3. 12 cm
✘ 4. 24 cm

Question ID : **26433062665**
Status : **Answered**
Chosen Option : **2**

Q.6 **A student walked 6 km from his house to reach the metro station, then boarded a metro that has an average speed of 60km/h, and reached the destination. It took 3 hours for the entire journey. If the average speed of the entire journey is 32 km/h, then the speed of walking is _____.**

Ans
✗ 1. 1.5 km/h
✗ 2. 3 km/h
✗ 3. 2 km/h
✓ 4. 4 km/h

Question ID : **26433091933**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **A, B and C can all together do a piece of work in 10 days, in which B takes 3 times as long as A and C together to do the work. In how many days can B alone do the work?**

Ans
✗ 1. 50 days
✓ 2. 40 days
✗ 3. 10 days
✗ 4. 15 days

Question ID : **26433079785**
Status : **Answered**
Chosen Option : **2**

Q.8 **A sum of Rs.10 is lent by a child to his friend to be returned in 11 monthly instalments of Rs.1 each, the interest being simple. The rate of interest is:**

Ans
✗ 1. $11\frac{9}{11}\%$
✓ 2. $21\frac{9}{11}\%$
✗ 3. $10\frac{2}{11}\%$
✗ 4. $9\frac{1}{11}\%$

Question ID : **26433076039**
Status : **Answered**
Chosen Option : **2**

Q.9 **The sum of two numbers is 680. If the bigger number is decreased by 15% and the smaller number is increased by 15%, then the resultant numbers are equal. Find the smaller number.**

Ans
✗ 1. 307
✗ 2. 285
✓ 3. 291
✗ 4. 304

Question ID : **26433074332**
Status : **Answered**
Chosen Option : **2**

Q.10 **If a − b = 8 and ab = 9, then the value of a + b is _____.**

Ans

✗ 1. ±9

✗ 2. ±7

✗ 3. ±8

✓ 4. ±10

Question ID : **26433066406**
Status : **Answered**
Chosen Option : **4**

Q.11 **Select the INCORRECT statement with respect to the properties of a circle.**

Ans

✗ 1. Two tangents drawn at the end of the diameter of a circle are parallel.

✗ 2. The radius drawn perpendicular to a chord bisects the chord.

✗ 3. The diameter of a circle is the longest chord of a circle.

✓ 4. The perpendicular distance from the centre of a circle increases when the length of a chord increases.

Question ID : **26433091944**
Status : **Answered**
Chosen Option : **4**

Q.12 **Sita gets a discount of 20% on ₹3,000 juicer mixer machine. Since she pays cash, she gets additional 5% discount too. How much does she pay?**

Ans

✓ 1. ₹2,280

✗ 2. ₹2,276

✗ 3. ₹2,282

✗ 4. ₹2,278

Question ID : **26433076095**
Status : **Answered**
Chosen Option : **1**

Q.13 **What is the value of cosec 15° sec 15°?**

Ans

✗ 1. 0.5

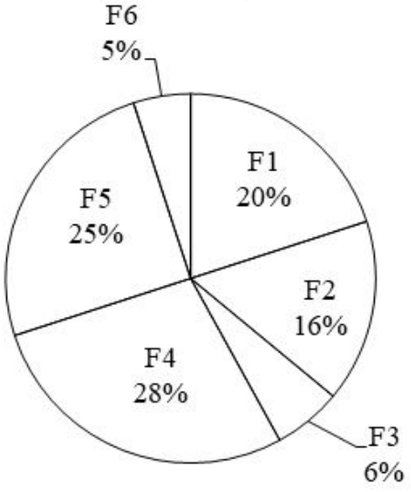
✓ 2. 4

✗ 3. 2

✗ 4. 1

Question ID : **264330105889**
Status : **Answered**
Chosen Option : **3**

Q.14 The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories is 15000. The production of a particular factory is shown as a percent of total production of all these 6 factories.



J1 = The value of average production of factory F3 and F6.
J2 = The difference between the production of factory F1 and F4.
What is the value of (J2 – J1)?

Ans
✗ 1. 385
✗ 2. 395
✓ 3. 375
✗ 4. 305

Question ID : **264330105779**
Status : **Answered**
Chosen Option : **3**

Q.15 The HCF of two numbers is 17 and the other two factors of their LCM are 11 and 19. The smaller of the two numbers is:

Ans
✗ 1. 209
✓ 2. 187
✗ 3. 323
✗ 4. 306

Question ID : **26433080086**
Status : **Answered**
Chosen Option : **2**

Q.16 $\frac{\cos A}{1-\tan A}+\frac{\sin A}{1-\cot A}=$ _____.

Ans
✗ 1. $\tan A-\cot A$
✗ 2. $\tan A+\cot A$
✗ 3. $\sin A-\cos A$
✓ 4. $\sin A+\cos A$

Question ID : **26433058178**
Status : **Not Answered**
Chosen Option : **--**

Q.17 **If $2p + q = 19$ and $8p^3 + q^3 = 361$, then find the value of pq.**

Ans
✗ 1. 56
✗ 2. 59
✗ 3. 58
✓ 4. 57

Question ID : **26433083020**
Status : **Answered**
Chosen Option : **4**

Q.18 Which of the following statement is correct?

I. If $x = 12, y = -2$ and $z = -10$, then $x^3 + y^3 + z^3 = 720$

II. If $x + y = 48$ and $4xy = 128$, then s the value of $4x^2 + 4y^2$ is 8960

Ans
✗ 1. Neither I nor II
✗ 2. Only I
✓ 3. Both I and II
✗ 4. Only II

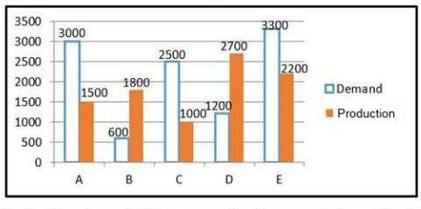
Question ID : **264330105966**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **A girl purchases 9 mangoes for Rs.90 and sells 10 mangoes for Rs.95. Find the gain or loss percentage.**

Ans
✗ 1. 2.5% loss
✓ 2. 5% loss
✗ 3. 2.5% gain
✗ 4. 5% gain

Question ID : **26433065065**
Status : **Answered**
Chosen Option : **2**

Q.20 In the following bar diagram, there are 5 companies A, B, C, D and E. The diagram shows the demand of a product and its production the above five companies.



If x% of the demand of the product by Company C is equal to that of the Company B, then find the value of x.

Ans
✓ 1. 24
✗ 2. 22
✗ 3. 23
✗ 4. 21

Question ID : **26433081485**
Status : **Answered**
Chosen Option : **1**

Q.21 **A four-digit pin, say abcd, of a lock has different non-zero digits. The digits satisfy b = 2a, c = 2b, d = 2c. The pin is divisible by _____.**

Ans

✗ 1. 2, 3, 5

✗ 2. 2, 3, 7

✓ 3. 2, 3, 13

✗ 4. 2, 3, 11

Question ID : **26433071239**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **A horse is grazing in a field. It is tied to a pole with a rope of length 6 m. The horse moves from point A to point B making an arch with an angle of 70°. Find the area of the sector grazed by the horse.**

Ans

✓ 1. 22 m

✗ 2. 21 m

✗ 3. 23 m

✗ 4. 20 m

Question ID : **26433082924**
Status : **Answered**
Chosen Option : **1**

Q.23 ΔABC and ΔDEF are similar triangles and their areas are 49 cm^2 and 144 cm^2 respectively. If EF = 16.80 cm, then find BC.

Ans

✗ 1. 7.5 cm

✓ 2. 9.8 cm

✗ 3. 8.7 cm

✗ 4. 11.4 cm

Question ID : **26433063818**
Status : **Answered**
Chosen Option : **2**

Q.24 **A can of water and milk mixture contains 60% milk. A part of this mixture is replaced by another mixture containing 50% milk and the percentage of milk was found to be 52%. The quantity of mixture replaced is:**

Ans

✗ 1. $\frac{1}{5}$

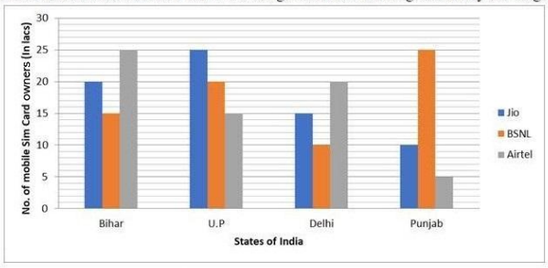
✗ 2. $\frac{3}{5}$

✓ 3. $\frac{4}{5}$

✗ 4. $\frac{2}{5}$

Question ID : **26433061131**
Status : **Answered**
Chosen Option : **3**

Q.25 The number of mobile sim-cards in 4 states/UT are given in the bar diagram. Study the diagram and answer the question.



In which State/UT is there the smallest number of owners of the BSNL Sim-card?

Ans
- ✗ 1. Punjab
- ✗ 2. UP
- ✓ 3. Delhi
- ✗ 4. Bihar

Question ID : **26433080369**
Status : **Answered**
Chosen Option : **3**

Section : **English Comprehension**

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

A poll taken of voters leaving the voting place that is usually used for predicting the winners.

Ans
- ✗ 1. Consensus
- ✗ 2. Results
- ✗ 3. Census
- ✓ 4. Exit poll

Question ID : **26433070706**
Status : **Answered**
Chosen Option : **4**

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

Intense

Ans
- ✗ 1. Thrifty
- ✓ 2. Moderate
- ✗ 3. Stately
- ✗ 4. Lavish

Question ID : **26433060631**
Status : **Answered**
Chosen Option : **2**

Q.3 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
Usually, Ratheesh hasn't / take part in these types / of events because of / his hectic schedule.

Ans
✗ 1. take part in these types
✗ 2. of events because of
✗ 3. his hectic schedule
✓ 4. Usually, Ratheesh hasn't

Question ID : **26433084903**
Status : **Answered**
Chosen Option : **4**

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

There was a _____accident last night and the inspector on deputy was unable to raise help when she called from the mountains.

Ans
✗ 1. goofy
✗ 2. gloomy
✓ 3. serious
✗ 4. harsh

Question ID : **26433059589**
Status : **Answered**
Chosen Option : **3**

Q.5 **Select the most appropriate synonym of the given word.**
Distant

Ans
✗ 1. Farsighted
✓ 2. Faraway
✗ 3. Futuristic
✗ 4. Forward

Question ID : **26433070616**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**
They decided to have a meeting <u>to discuss about the project.</u>

Ans
✗ 1. to discuss through the project
✓ 2. to discuss the project
✗ 3. to discuss over the project
✗ 4. to discuss beyond the project

Question ID : **26433084634**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.7 **Select the option that can be used as a one-word substitute for the given group of words.**

A formal statement testifying to someone's character and qualifications

Ans
1. Document
2. Affidavit
3. Testimonial
4. Manuscript

Question ID : **26433073457**
Status : **Answered**
Chosen Option : **3**

Q.8 **Select the INCORRECTLY spelt word in the following sentence.**
The poor woman is in excruciating mental anguish, and her loved ones appear to have assisted in exarcerbating her traumatic experiences.

Ans
1. anguish
2. excruciating
3. exarcerbating
4. traumatic

Question ID : **26433060810**
Status : **Answered**
Chosen Option : **3**

Q.9 **Select the most appropriate option to fill in the blank.**

As there were reports of manipulation of scores in the previous exams, the aspirants demanded a process to ensure_____ assessment for selection.

Ans
1. will o' the wisp
2. hole and corner
3. well off
4. fair and square

Question ID : **26433070543**
Status : **Answered**
Chosen Option : **4**

Q.10 **Select the most appropriate option to fill in the blank.**

The party was a _____ hour for everyone, except Mukesh.

Ans
1. welcome
2. happy
3. dry
4. stable

Question ID : **26433073796**
Status : **Answered**
Chosen Option : **2**

Q.11 **Select the option that expresses the given sentence in passive voice.**

Suman was taking a nap

Ans

✔ 1. A nap was being taken by Suman.

✘ 2. A nap has been taken by Suman.

✘ 3. A nap is being taken by Suman.

✘ 4. A nap was taken by Suman.

Question ID : **26433091854**
Status : **Answered**
Chosen Option : **4**

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

Ans

✘ 1. A diluted argument

✘ 2. Appear to be of no value

✘ 3. Stop emphasising a point

✔ 4. Appear to be valid or reasonable

Question ID : **26433063135**
Status : **Answered**
Chosen Option : **4**

Q.13 **Select the INCORRECTLY spelt word in the following sentence.**
Rajib's research aims to identify the strings that connect man and nature in order to provide a comprehensive examination and asessment of a variety of ecological issues.

Ans

✘ 1. strings

✘ 2. ecological

✔ 3. asessment

✘ 4. comprehensive

Question ID : **26433058610**
Status : **Answered**
Chosen Option : **3**

Q.14 **Select the most appropriate ANTONYM of the underlined word.**
The concert sounded was in <u>cacophony</u> with every instrument playing in synchronisation.

Ans

✔ 1. harmony

✘ 2. alimony

✘ 3. bedlam

✘ 4. euphony

Question ID : **26433059824**
Status : **Answered**
Chosen Option : **1**

Q.15 **Rearrange the parts of the sentence in correct order.**
Back in April
P. an afternoon walking around
Q. the Tillman Sand Ridge Heritage Preserve
R. I was visiting family in South Carolina
S. and my brother and I spent

Ans
✔ 1. RSPQ
✘ 2. QPRS
✘ 3. PQRS
✘ 4. RQPS

Question ID : **264330104670**
Status : **Answered**
Chosen Option : **1**

Q.16 **Select the appropriate adverb for the underlined word in the sentence.**

I <u>complete</u> forgot her birthday, and I don't know how to make it up to her.

Ans
✘ 1. completeness
✘ 2. completed
✘ 3. completing
✔ 4. completely

Question ID : **26433094771**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the correct direct form of the given sentence.**
My teacher forbids to trust one's relatives.

Ans
✔ 1. My teacher says, "Never trust your relatives."
✘ 2. My teacher says, "Never trust my relatives."
✘ 3. My teacher says, "Never trusted your relatives."
✘ 4. My teacher said "Never trust your relatives."

Question ID : **264330104640**
Status : **Answered**
Chosen Option : **4**

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

Repulsive

Ans
✘ 1. Steadfast
✘ 2. Superfluous
✔ 3. Pleasant
✘ 4. Hopeless

Question ID : **26433060633**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the correct passive voice form for the given sentence.**

Sudha was writing a letter to her husband.

Ans

✗ 1. A letter were been written by Sudha to her husband.

✗ 2. A letter were being written by Sudha to her husband.

✗ 3. A letter was been written by Sudha to her husband.

✓ 4. A letter was being written by Sudha to her husband.

Question ID : **26433088628**
Status : **Answered**
Chosen Option : **4**

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

Something that is very small/little

Ans

✗ 1. Few

✓ 2. Tiny

✗ 3. Thin

✗ 4. Slender

Question ID : **26433072314**
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.
A great fire (1)_____ in London in 1666 which (2)____ the city and made around 1,00,000 people homeless. This fire is said to have begun in a pudding lane. It (3)____ through the crowded streets and wooden houses. However, after the fire, London was (4)___ with wider streets and improved water supplies. New buildings were (5)___ using bricks instead of wood.

SubQuestion No : 21

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

Ans

✗ 1. broke for

✗ 2. broke in

✓ 3. broke out

✗ 4. broke at

Question ID : **26433087432**
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.
A great fire (1)_____ in London in 1666 which (2)____ the city and made around 1,00,000 people homeless. This fire is said to have begun in a pudding lane. It (3)____ through the crowded streets and wooden houses. However, after the fire, London was (4)___ with wider streets and improved water supplies. New buildings were (5)___ using bricks instead of wood.

SubQuestion No : 22

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

Ans
- ✔ 1. destroyed
- ✘ 2. smashed
- ✘ 3. shattered
- ✘ 4. demolished

Question ID : **26433087433**
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.
A great fire (1)_____ in London in 1666 which (2)____ the city and made around 1,00,000 people homeless. This fire is said to have begun in a pudding lane. It (3)____ through the crowded streets and wooden houses. However, after the fire, London was (4)___ with wider streets and improved water supplies. New buildings were (5)___ using bricks instead of wood.

SubQuestion No : 23

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

Ans
- ✘ 1. glided
- ✘ 2. carried
- ✔ 3. swept
- ✘ 4. pulled

Question ID : **26433087434**
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.
A great fire (1)_____ in London in 1666 which (2)____ the city and made around 1,00,000 people homeless. This fire is said to have begun in a pudding lane. It (3)____ through the crowded streets and wooden houses. However, after the fire, London was (4)___ with wider streets and improved water supplies. New buildings were (5)___ using bricks instead of wood.

SubQuestion No : 24

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

Ans
- ✔ 1. rebuilt
- ✘ 2. innovated
- ✘ 3. modelled
- ✘ 4. restored

Question ID : **26433087435**
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.
A great fire (1)_____ in London in 1666 which (2)____ the city and made around 1,00,000 people homeless. This fire is said to have begun in a pudding lane. It (3)____ through the crowded streets and wooden houses. However, after the fire, London was (4)___ with wider streets and improved water supplies. New buildings were (5)___ using bricks instead of wood.

SubQuestion No : 25

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

Ans

✗ 1. organised

✓ 2. erected

✗ 3. fabricated

✗ 4. located

Question ID : **26433087436**
Status : **Answered**
Chosen Option : **3**