Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Ward No 1
Exam Date	03/12/2022
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **In a certain code language, 'EDUCATION' is written as 'GFWCATKQP' and 'PROFESSOR' is written as 'RTQFESUQT'. How will 'FACULTIES' be written in that language?**

Ans

✗ 1. HCEWLTIGU

✗ 2. HCEWNVKGU

✓ 3. HCEULTKGU

✗ 4. HCEULVKGU

Question ID : **26433066025**
Status : **Answered**
Chosen Option : **3**

Q.2 **By interchanging the given two signs and numbers which of the following equation will be correct?**
+ and ×, 1 and 2

Ans

✗ 1. 8 × 3 – 4 ÷ 2 + 1 = 7

✗ 2. 2 × 3 – 8 ÷ 1 + 9 = 18

✓ 3. 8 × 3 – 4 ÷ 2 + 1 = 3

✗ 4. 2 × 3 – 8 ÷ 1 + 2 = 5

Question ID : **264330105140**
Status : **Answered**
Chosen Option : **3**

Q.3 Three different positions of the same dice are shown. Find the number on the face opposite the face showing '2'.

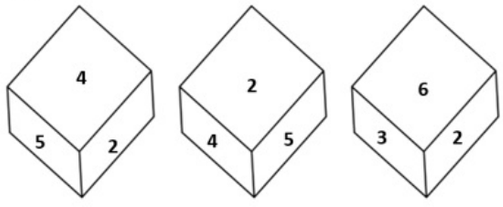


Figure 1 Figure 2 Figure 3

Ans

✗ 1. 5

✗ 2. 4

✗ 3. 3

✓ 4. 1

Question ID : **26433081533**
Status : **Answered**
Chosen Option : **4**

Q.4 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(6, 22, 14)
(8, 30, 19)

Ans
✗ 1. (12, 46, 27)
✓ 2. (4, 18, 11)
✗ 3. (7, 26, 17)
✗ 4. (9, 34, 22)

Question ID : **26433079023**
Status : **Not Answered**
Chosen Option : **--**

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)
(63, 81, 7)
(84, 49, 12)

Ans
✓ 1. (99, 121, 9)
✗ 2. (76, 234, 12)
✗ 3. (12, 125, 56)
✗ 4. (78, 14, 56)

Question ID : **26433079129**
Status : **Answered**
Chosen Option : **1**

Q.6 **Select the set in which the numbers are NOT 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 / substracting / 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)
(22, 9, 198)

Ans
✗ 1. (19, 7, 133)
✗ 2. (26, 5, 130)
✗ 3. (28, 7, 196)
✓ 4. (17, 9, 157)

Question ID : **26433068340**
Status : **Answered**
Chosen Option : **4**

Q.7 **A + B means 'A is the father of B'**
A – B means 'A is the mother of B'
A @ B means 'A is the son of B'
A # B means 'A is the daughter of B'
If A # B – C @ D + E, then how is A related to E?

Ans
✗ 1. Sister-in-law
✗ 2. Mother
✓ 3. Sister
✗ 4. Daughter

Question ID : **26433059905**
Status : **Answered**
Chosen Option : **3**

Q.8 **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 spoons are forks.
All knives are forks.
All forks are plates.

Conclusions:
I. All knives are plates.
II. All plates are spoons.
III. Some plates are knives.

Ans
✗ 1. All conclusions follow.
✗ 2. Both conclusions II and III follow.
✗ 3. Both conclusions I and II follow.
✓ 4. Both conclusions I and III follow.

Question ID : **26433074642**
Status : **Answered**
Chosen Option : **2**

Q.9 **Which of the following numbers will replace the question mark (?) in the given series?**
?, 11, 35, 107, 323

Ans
✗ 1. 4
✗ 2. 5
✗ 3. 8
✓ 4. 3

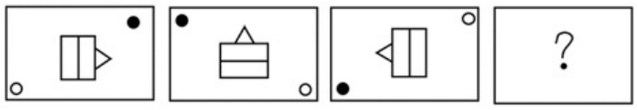
Question ID : **26433068654**
Status : **Answered**
Chosen Option : **4**

Q.10 **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. All P are Q.
II. All R are Q.
Conclusion:
I. All Q are R.
II. All P are R.

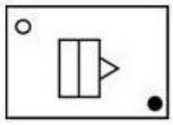
Ans
✓ 1. Neither conclusion follows
✗ 2. Only conclusion I follows
✗ 3. Only conclusion II follows
✗ 4. Both conclusions I and II follows

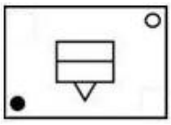
Question ID : **264330104916**
Status : **Answered**
Chosen Option : **1**

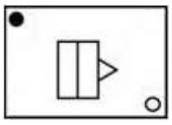
Q.11 Select the figure that will replace the question mark (?) in the following figure series.

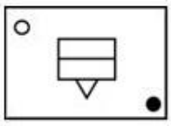


Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **26433065982**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**

1. Lesage
2. Laudatory
3. Laureate
4. Latitude
5. Legacy
6. Laudanum
7. Launder

Ans

✗ 1. 4, 6, 7, 3, 2, 1, 5

✗ 2. 4, 6, 7, 2, 3, 1, 5

✓ 3. 4, 6, 2, 7, 3, 5, 1

✗ 4. 4, 6, 2, 3, 7, 1, 5

Question ID : **26433094936**
Status : **Answered**
Chosen Option : **3**

Q.13 Which of the following terms will replace the question mark (?) in the given series?

VTHJ ? TRJL SQKM RPLN

Ans

✗ 1. USIP

✗ 2. UZIK

✓ 3. USIK

✗ 4. USLK

Question ID : **26433085325**
Status : **Answered**
Chosen Option : **3**

Q.14 **Select the odd group of numbers. (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. (90 –93 –96)

✗ 2. (84 –87 –90)

✓ 3. (44–49 –52)

✗ 4. (58 –61 –64)

Question ID : **264330105074**
Status : **Answered**
Chosen Option : **3**

Q.15 **If L × M means that L is the mother of M, L – M means that L is the father of M, L ÷ M means that L is the sister of M, then which of the following expression shows that P is the father of R?**

Ans

✗ 1. Q – P × R

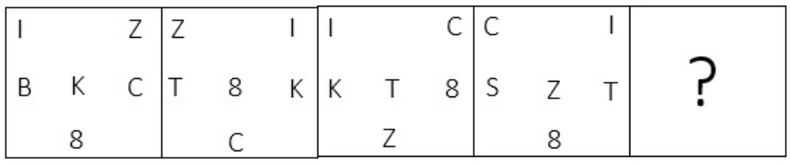
✓ 2. P – Q ÷ R

✗ 3. P – Q × R

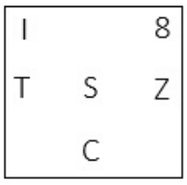
✗ 4. R – P × Q

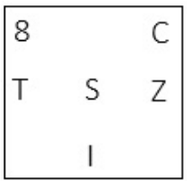
Question ID : **264330104963**
Status : **Answered**
Chosen Option : **3**

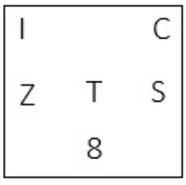
Q.16 Which figure should replace the question mark (?) if the series were to be continued?

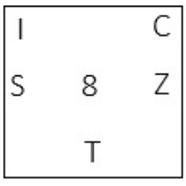


Ans

✔ 1.


✘ 2.


✘ 3.


✘ 4.


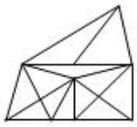
Question ID : **26433076650**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

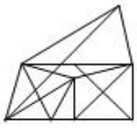
(X)

Ans

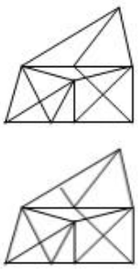
✔ 1.



✘ 2.



✘ 3.



✘ 4.

Question ID : **26433068904**
Status : **Answered**
Chosen Option : **1**

Q.18 **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.)**
Bee : Beehive :: Dog : ?

Ans

✔ 1. Kennel

✘ 2. Stable

✘ 3. Pen

✘ 4. Shed

Question ID : **26433068356**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the word-pair that best represents a similar relationship to the one expressed in the given pair of words.**
(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)
Tailor : Sewing machine

Ans

✘ 1. Electrician : Expensive

✘ 2. Farmer : Plants

✘ 3. Scissors : Hair

✔ 4. Police : Handcuffs

Question ID : **26433068417**
Status : **Answered**
Chosen Option : **4**

Q.20 **In a certain code language, STEAMER is coded as 81, and CRUISE is coded as 75. How will SUBMARINE be coded in that language?**

Ans
✔ 1. 102
✘ 2. 109
✘ 3. 100
✘ 4. 115

Question ID : **26433068003**
Status : **Answered**
Chosen Option : **1**

Q.21 **Which of the following letter-clusters will replace the question mark (?) in the given series?**
RLV, PNS, NPP, ?, JTJ

Ans
✘ 1. MSN
✔ 2. LRM
✘ 3. KQN
✘ 4. KTM

Question ID : **26433057990**
Status : **Answered**
Chosen Option : **2**

Q.22 **Select the correct combination of mathematical signs to replace the * signs and balance the given equation.**
66 * 6 * 12 * 3 * 15 = 12

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

Question ID : **26433087137**
Status : **Answered**
Chosen Option : **2**

Q.23 Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

$$54 - (3 \times 12) \div (8)^{\frac{1}{3}} + (11 \times 4) + 6 = 69$$

Ans
✘ 1. 11 and 6
✘ 2. 4 and 12
✘ 3. 6 and 4
✔ 4. 3 and 4

Question ID : **26433069213**
Status : **Answered**
Chosen Option : **4**

Q.24 **Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?**

Ans

✗ 1. EQVK

✗ 2. RDIX

✓ 3. QFJV

✗ 4. IMRO

Question ID : **26433081500**
Status : **Answered**
Chosen Option : **3**

Q.25

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

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.

Question ID : **26433067438**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 **The arms Act which disallowed Indians from having arms was passed in _____.**

Ans

✓ 1. 1878

✗ 2. 1925

✗ 3. 1920

✗ 4. 1855

Question ID : **264330105560**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **Roquefortine C is found in:**

Ans
✗ 1. Meat
✗ 2. chicken
✗ 3. Egg
✓ 4. cheese

Question ID : **26433064455**
Status : **Not Answered**
Chosen Option : **--**

Q.3 **The Mohiniyattam dance form originated from which state?**

Ans
✓ 1. Kerala
✗ 2. Karnataka
✗ 3. Tamil Nadu
✗ 4. Maharashtra

Question ID : **26433064372**
Status : **Answered**
Chosen Option : **1**

Q.4 **The body of the _____ is circular in cross-section, hence, the name roundworms. They may be free living, aquatic and terrestrial or parasitic in plants and animals.**

Ans
✗ 1. Platyhelminthes
✗ 2. Ctenophores
✗ 3. Mollusca
✓ 4. Aschelminthes

Question ID : **26433092190**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Which French chemist was one of the first scientists to synthesise organic compounds such as formic acid, methane and acetylene from their elements?**

Ans
✗ 1. Jacob Berzelius
✗ 2. Auguste Laurent
✓ 3. Marcellin Berthelot
✗ 4. Antoine Lavoisier

Question ID : **26433092183**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **For which year was Manna Dey honored with the Dadasaheb Phalke Award?**

Ans
✗ 1. 2015
✗ 2. 2019
✓ 3. 2007
✗ 4. 2001

Question ID : **26433074112**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **Ugadi is celebrated in which of the following states?**

Ans
1. Madhya Pradesh
2. Andhra Pradesh
3. Himachal Pradesh
4. Kerala

Question ID : **26433080971**
Status : **Answered**
Chosen Option : **2**

Q.8 **Who has been appointed as the Chief Executive Officer of NITI Aayog in June 2022?**

Ans
1. Avinash Kulkarni
2. Krishna Srinivasan
3. Vivek Kumar
4. Parameswaran Iyer

Question ID : **264330105348**
Status : **Answered**
Chosen Option : **4**

Q.9 **Which special knowledge or practical experience is NOT a condition for being nominated to Rajya Sabha by the President of India?**

Ans
1. Science
2. Art
3. Eloquence
4. Literature

Question ID : **26433074848**
Status : **Answered**
Chosen Option : **3**

Q.10 **Achievement of self-reliance and removal of poverty were twin objectives of which five-year plan?**

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

Question ID : **26433066619**
Status : **Answered**
Chosen Option : **2**

Q.11 **Who said the following words?**
“Sarfaroshi ki tamanna ab hamare dil me hai, dekhna hai zor kitna baazu-e-qaatil me hai”

Ans
1. Ramprasad Bismil
2. Bhagat Singh
3. Ras Bihari Bose
4. Subhash Chandra Bose

Question ID : **26433089154**
Status : **Answered**
Chosen Option : **1**

Q.12 Which of the following pairs of countries will host the 2023 FIFA Women's World Cup?

Ans
- ✗ 1. Canada and Mexico
- ✗ 2. New Zealand and Austria
- ✗ 3. France and Canada
- ✓ 4. New Zealand and Australia

Question ID : **26433059399**
Status : **Answered**
Chosen Option : **4**

Q.13 Which force is responsible for the motion of the moon around earth?

Ans
- ✗ 1. Van der Waals
- ✗ 2. Centrifugal
- ✗ 3. Frictional
- ✓ 4. Centripetal

Question ID : **26433086736**
Status : **Marked For Review**
Chosen Option : **2**

Q.14 Who took oath as the 49th Chief Justice of India in August 2022?

Ans
- ✗ 1. Sanjiv Kapoor
- ✗ 2. Ajay Kumar Sood
- ✓ 3. Uday Umesh Lalit
- ✗ 4. Rajiv Ranjan

Question ID : **264330105355**
Status : **Answered**
Chosen Option : **3**

Q.15 Identify the animal that is NOT a non-chordate.

Ans
- ✓ 1. Repltiles
- ✗ 2. Arthropods
- ✗ 3. Porifera
- ✗ 4. Arachnids

Question ID : **26433091482**
Status : **Not Answered**
Chosen Option : **--**

Q.16 Asiad is regulated by_____.

Ans
- ✗ 1. International Olympic Council
- ✗ 2. Commonwealth Games Federation
- ✗ 3. Indian Olympic Council
- ✓ 4. Olympic Council of Asia

Question ID : **26433071539**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Dhuadhar falls originate from which of the following river?

Ans
✗ 1. Mahanadi
✗ 2. Godavari
✓ 3. Narmada
✗ 4. Krishna

Question ID : **264330105665**
Status : **Marked For Review**
Chosen Option : **4**

Q.18 In which of the following cases did the Supreme Court of India pronounce the theory of the 'Basic Structure' of the Constitution?

Ans
✓ 1. Kesavananda Bharati Case, 1973
✗ 2. Golaknath Case, 1967
✗ 3. Minerva Mills Case, 1980
✗ 4. Swarn Singh Case, 1989

Question ID : **26433074842**
Status : **Answered**
Chosen Option : **1**

Q.19 The year whose prices are being used to calculate the real GDP is called _____.

Ans
✗ 1. current year
✗ 2. constant year
✓ 3. base year
✗ 4. fiscal year

Question ID : **264330105395**
Status : **Answered**
Chosen Option : **3**

Q.20 Ajmer became the suba headquarters under the _____.

Ans
✗ 1. Pallavas
✗ 2. Cholas
✓ 3. Mughals
✗ 4. Delhi Sultanate

Question ID : **264330105444**
Status : **Answered**
Chosen Option : **3**

Q.21 The headquarters of the National Institute of Oceanography of India is located at:

Ans
✗ 1. New Delhi
✗ 2. Hyderabad
✗ 3. Kanyakumari
✓ 4. Goa

Question ID : **26433089210**
Status : **Answered**
Chosen Option : **2**

Q.22 **Unemployment arising due to mismatch between Job availability in the market and skills of available worker is called?**

Ans

✗ 1. Seasonal

✓ 2. Structural

✗ 3. Economical

✗ 4. Frictional

Question ID : **264330105523**
Status : **Answered**
Chosen Option : **2**

Q.23 **Ravikirti was the court poet of which of the following dynasty ruler?**

Ans

✗ 1. Cholas

✗ 2. Cheras

✗ 3. Pallavas

✓ 4. Chalukyas

Question ID : **264330105197**
Status : **Answered**
Chosen Option : **4**

Q.24 **India's First AI-powered, end-to-end digital Lok Adalat was launched in _____.**

Ans

✗ 1. Uttar Pradesh

✓ 2. Rajasthan

✗ 3. Madhya Pradesh

✗ 4. Gujarat

Question ID : **264330105239**
Status : **Answered**
Chosen Option : **2**

Q.25 **Kagyed dance, a customary dance festival which is celebrated annually in Sikkim falls in which month?**

Ans

✗ 1. May

✗ 2. October

✓ 3. December

✗ 4. August

Question ID : **26433072642**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1

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

Ans
✗ 1. sec A - tan A
✓ 2. cosec A + cot A
✗ 3. sec A + tan A
✗ 4. cosec A - cot A

Question ID : **26433079799**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.2 **In a ΔABC, the median BE intersects AC at E. If BG=12 cm, where G is the centroid, then BE is equal to:**

Ans
✗ 1. 16 cm
✓ 2. 18 cm
✗ 3. 15 cm
✗ 4. 13 cm

Question ID : **26433066329**
Status : **Answered**
Chosen Option : **2**

Q.3 **The table given below shows the number of players participating in two games in six different schools?**

	Games	
Schools	A	B
J	31	58
K	24	36
L	18	26
M	29	37
N	12	33
P	40	44

What is the ratio of total number of players participating in game A to the total number of players participating in game B?

Ans
✗ 1. 117 : 77
✗ 2. 67 : 116
✓ 3. 77 : 117
✗ 4. 116 : 57

Question ID : **264330105751**
Status : **Answered**
Chosen Option : **3**

Q.4 **(mx + n) is a factor of:**

Ans
✗ 1. $m^2x^2 + 2nx + n^2$
✓ 2. $m^2x^2 + 2mnx + n^2$
✗ 3. $m^2x^2 + 2mx + n^2$
✗ 4. $m^2x^2 + 2mn + n^2$

Question ID : **26433072984**
Status : **Not Answered**
Chosen Option : **--**

Q.5 ΔABC is a right-angle triangle at B. If $\tan A = \frac{5}{12}$, then $\sin A + \sin B + \sin C$ will be equal to:

Ans

✗ 1. $1\frac{5}{13}$

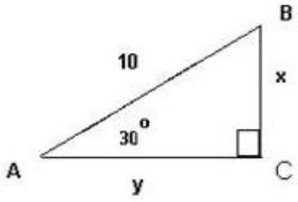
✓ 2. $2\frac{4}{13}$

✗ 3. $3\frac{1}{13}$

✗ 4. $2\frac{1}{13}$

Question ID : **26433058987**
Status : **Answered**
Chosen Option : **2**

Q.6 Study the given triangle and find the length of BC.



Ans

✗ 1. $\frac{5}{2}$

✗ 2. 6

✓ 3. 5

✗ 4. 3

Question ID : **26433065317**
Status : **Answered**
Chosen Option : **4**

Q.7 **With an average speed of 45 km/h, a train reaches its destination on time. If it goes with an average speed of 30 km/h, it is late by 15 minutes. The total journey is:**

Ans

✗ 1. 20.5 km

✗ 2. 40.5 km

✓ 3. 22.5 km

✗ 4. 30.5 km

Question ID : **26433063851**
Status : **Answered**
Chosen Option : **3**

Q.8 The tax on the salary of C is $\frac{1}{4}$ of the salary and savings are $\frac{1}{3}$ of the salary. The ratio of the expenditures to the savings is _____.

Ans

✗ 1. 4 : 5

✗ 2. 4 : 3

✓ 3. 5 : 4

✗ 4. 3 : 4

Question ID : **26433071258**
Status : **Answered**
Chosen Option : **3**

Q.9 Study the following table and answer the question that follows.

A school has four sections A, B, C and D of Class IX students.

The results of Science and Mathematics examinations are shown in the following table.

RESULT	No. of Students			
	Section A	Section B	Section C	Section D
Failed in both	24	25	18	20
Failed in Science but passed in Mathematics	14	12	10	15
Passed in Science but failed in Mathematics	7	6	8	10
Passed in both	63	60	56	55

What is the ratio of number of students who failed in Science but passed in Mathematics of section B and section D together to the number of students of section A that passed in both subjects?

Ans

✗ 1. 9 : 17

✓ 2. 3 : 9

✗ 3. 4 : 9

✗ 4. 5 : 11

Question ID : **26433076238**
Status : **Answered**
Chosen Option : **2**

Q.10 **In a 1200 m race, bike A beats bike B by 100 m. Bike B beats bike C by 100 m in a 600 m race. If bike A beats bike C by 30 sec in a 720 m race, then what is the speed of bike C?**

Ans

✓ 1. $\frac{17}{3}$ m/ sec

✗ 2. $\frac{26}{9}$ m/ sec

✗ 3. $\frac{17}{9}$ m/ sec

✗ 4. $\frac{26}{3}$ m/ sec

Question ID : **26433081602**
Status : **Not Answered**
Chosen Option : **--**

Q.11 The following table gives information of panchayat elections held in six villages P, Q, R, S, T and U.

Village	Total number of votes (in hundreds)	Votes polled (in %)	Valid votes (in %)
P	50	80	80
Q	60	75	80
R	100	65	65
S	80	60	70
T	60	80	90
U	40	90	60

Hint: 1) percentage of votes polled $= \frac{\text{Total votes polled}}{\text{Total number of votes}} \times 100$

2) percentage of valid votes $= \frac{\text{Total valid votes}}{\text{Total votes polled}} \times 100$

Find the ratio of invalid votes of village R to that of village U ?

Ans

✗ 1. 455 : 268

✗ 2. 321 : 107

✓ 3. 455 : 288

✗ 4. 423 : 755

Question ID : **26433075959**
Status : **Answered**
Chosen Option : **3**

Q.12 **A dishonest trader says to customers that he sells his goods at a cost price, but he uses a false weight and gains 12.5% as profit. How many grams does he use to weigh 1 kg?**

Ans

✗ 1. 900 g

✗ 2. 880.5 g

✗ 3. 850 g

✓ 4. 888.8 g

Question ID : **26433063475**
Status : **Answered**
Chosen Option : **4**

Q.13 **Find the largest number of 3 digits divisible by 4 and 7.**

Ans

✗ 1. 960

✓ 2. 980

✗ 3. 990

✗ 4. 970

Question ID : **26433080081**
Status : **Answered**
Chosen Option : **2**

Q.14 **A and B working separately can complete a piece of work in 10 and 16 days, respectively. If they work for a day alternately, with A beginning the work, in how many day(s) will the work be completed?**

Ans

✗ 1. $10\frac{1}{4}$

✓ 2. $12\frac{1}{4}$

✗ 3. $1\frac{1}{4}$

✗ 4. $\frac{1}{4}$

Question ID : **26433082601**
Status : **Answered**
Chosen Option : **2**

Q.15 If the length of the diagonal of a cube is $7\sqrt{3}$ cm, then the surface area of the cube is _____.

Ans

✗ 1. 216 cm^2

✗ 2. 256 cm^2

✗ 3. 284 cm^2

✓ 4. 294 cm^2

Question ID : **26433063980**
Status : **Answered**
Chosen Option : **4**

Q.16 If $\Delta BPQ \cong \Delta ASR$ and $\angle A = \frac{1}{3}\angle R = \angle S$ then find $\angle Q$. (All angles are in degrees).

Ans

✓ 1. 108°

✗ 2. 36°

✗ 3. 72°

✗ 4. 118°

Question ID : **26433085495**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Two identical circles each of radius 30 cm intersect each other such that the circumference of each one passes through the centre of the other. What is the area of the intersecting region?

Ans
✗ 1. $400\pi - 250\sqrt{3}\ \text{cm}^2$

✗ 2. $300\pi - 150\sqrt{3}\ \text{cm}^2$

✗ 3. $500\pi - 350\sqrt{3}\ \text{cm}^2$

✓ 4. $600\pi - 450\sqrt{3}\ \text{cm}^2$

Question ID : **264330105867**
Status : **Not Answered**
Chosen Option : **--**

Q.18 The marked price of a chair is ₹ 2,400, which is 20% above the cost price. If the chair is sold at a discount of 10% on marked price, what is the profit percentage?

Ans
✗ 1. 10%

✓ 2. 8%

✗ 3. 9%

✗ 4. 26.2%

Question ID : **26433075547**
Status : **Answered**
Chosen Option : **2**

Q.19 A sum becomes Rs.15,500 in 7 years on simple interest at the rate of 30 percent per annum. What is the total interest for the 7 years?

Ans
✗ 1. Rs.12,200

✗ 2. Rs.1,47,000

✓ 3. Rs.10,500

✗ 4. Rs.11,500

Question ID : **264330105680**
Status : **Answered**
Chosen Option : **3**

Q.20 Study the given table and answer the question that follows.

The table shows the percentage of marks obtained by 7 students in different subjects.

Subject / Students	Hindi	English	Maths	Physics	Chemistry	Biology	IT
Amit	67	88	92	88	58	60	98
Ruchi	65	78	68	70	64	72	76
Kanchan	89	66	76	76	72	68	76
Prashant	88	80	72	68	62	64	72
Mrinal	78	64	76	74	68	80	78
Kunal	60	86	88	74	94	76	84
Diksha	74	92	96	66	86	88	96

How many students have scored the highest percentage of marks in more than one subject?

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

Question ID : **26433093252**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.21 **If x + y + z = 0, then what is the value of $\frac{x^2}{(yz)}+\frac{y^2}{(xz)}+\frac{z^2}{(xy)}$?**

Ans
✗ 1. 1
✗ 2. 0
✗ 3. 2
✓ 4. 3

Question ID : **264330105929**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **What is the possible value of (a + b + c) – 3 , if $a^2 + b^2 + c^2 = 9$ and ab + bc + ca = 8?**

Ans
✗ 1. 5
✗ 2. 3
✗ 3. 9
✓ 4. 2

Question ID : **26433075269**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **If the 8-digit number 123456xy is divisible by 8, then the total possible pairs of (x,y) are:**

Ans
✗ 1. 8
✓ 2. 13
✗ 3. 10
✗ 4. 11

Question ID : **26433074330**
Status : **Answered**
Chosen Option : **2**

Q.24 **The area of a sector of a circle is 308cm^2, with the central angle measuring 45°. The radius of the circle is:**

Ans
✗ 1. 14 cm
✗ 2. 21 cm
✗ 3. 7 cm
✓ 4. 28 cm

Question ID : **26433062663**
Status : **Answered**
Chosen Option : **4**

Q.25 **The cost of apples is increased by 20% and then decreased by 20%. What is the net pecentage decrease?**

Ans
✓ 1. 4%
✗ 2. 3%
✗ 3. 5%
✗ 4. 6%

Question ID : **26433066353**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

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

The anchor gave us a _____ welcome, a pleasant smile and a bouquet on reaching the hotel.

Ans
✓ 1. warm
✗ 2. worth
✗ 3. winning
✗ 4. wonderful

Question ID : **26433089028**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the correct passive voice form for the given sentence.**

Rashi was writing a letter to her husband.

Ans
✓ 1. A letter was being written by Rashi to her husband.
✗ 2. A letter were being written by Rashi to her husband.
✗ 3. A letter was been written by Rashi to her husband.
✗ 4. A letter were been written by Rashi to her husband.

Question ID : **26433092342**
Status : **Answered**
Chosen Option : **1**

Q.3 **Select the option that can be used as a one-word substitute for the given group of words.**

The study of languages

Ans
✔ 1. Philology
✘ 2. Anthropology
✘ 3. Lexicography
✘ 4. Philosophy

Question ID : **26433070632**
Status : **Answered**
Chosen Option : **1**

Q.4 **Select the most appropriate ANTONYM of the given word.**

Exemplary

Ans
✘ 1. Flattering
✔ 2. Unsatisfactory
✘ 3. Imitative
✘ 4. Desirable

Question ID : **26433071836**
Status : **Marked For Review**
Chosen Option : **2**

Q.5 **Choose the incorrectly spelt word.**

Ans
✘ 1. Irritating
✘ 2. Pedestrian
✘ 3. Enervating
✔ 4. Beguilling

Question ID : **264330104744**
Status : **Answered**
Chosen Option : **4**

Q.6 **Select the option that can be used as a one-word substitute for the given group of words.**

Sharp and direct

Ans
✔ 1. Acerbic
✘ 2. Zoonic
✘ 3. Anodyne
✘ 4. Acidic

Question ID : **26433071929**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **Select the most appropriate synonym of the given word.**

Keen

Ans
✗ 1. Happy
✓ 2. Enthusiastic
✗ 3. Wild
✗ 4. Imitate

Question ID : **26433072192**
Status : **Answered**
Chosen Option : **2**

Q.8 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Adopt
✓ 2. Acces
✗ 3. Abandon
✗ 4. Abase

Question ID : **26433063137**
Status : **Answered**
Chosen Option : **2**

Q.9 **Select the option that can be used as a one-word substitute for the underlined group of words.**

After my father passed away, I used to look at a series of stars, trying to find the unknown.

Ans
✗ 1. Galaxy
✓ 2. Constellation
✗ 3. Caravan
✗ 4. Horde

Question ID : **26433088614**
Status : **Answered**
Chosen Option : **1**

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

One who does something not professionally but for pleasure

Ans
✗ 1. Professional
✗ 2. Mature
✗ 3. Immature
✓ 4. Amateur

Question ID : **26433060905**
Status : **Answered**
Chosen Option : **4**

Q.11 **Select the most appropriate ANTONYM of the word 'polite' in the given sentence.**

The rude and insensitive murderer pleaded for mercy in the court.

Ans

✗ 1. Pleaded

✗ 2. Mercy

✗ 3. Insensitive

✓ 4. Rude

Question ID : **26433060115**
Status : **Answered**
Chosen Option : **4**

Q.12 **The following sentence has been split into four segments. Identify the segment that contains an error.**

The newspaper reported / that it was a mystery / how the thieves enter / into the house.

Ans

✗ 1. into the house

✓ 2. how the thieves enter

✗ 3. that it was a mystery

✗ 4. The newspaper reported

Question ID : **26433088288**
Status : **Marked For Review**
Chosen Option : **2**

Q.13 **Select the word that is OPPOSITE in meaning to the given word.**

Adversity

Ans

✓ 1. Fortune

✗ 2. Affliction

✗ 3. Brilliance

✗ 4. Penury

Question ID : **26433060592**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the option that expresses the given sentence in active voice.**

Let the farewell be bidden to our seniors.

Ans

✗ 1. We should be bidden farewell by our seniors.

✗ 2. Our seniors should bid farewell to us.

✓ 3. Let us bid farewell to our seniors.

✗ 4. Our seniors should be bidden farewell.

Question ID : **26433072471**
Status : **Answered**
Chosen Option : **3**

Q.15 **Rearrange the parts of the sentence in correct order.**
The nanostructures on the
P. with added, or "doped," iron and phosphor
Q. surface made of nickel selenide
R. offers the high performance and stability
S. that are needed for industrial-scale electrolysis

Ans
✔ 1. QPRS
✘ 2. QRSP
✘ 3. RPQS
✘ 4. SPQR

Question ID : **264330104678**
Status : **Answered**
Chosen Option : **1**

Q.16 **Select the most appropriate collocating word to fill in the blank.**

I listened to him with_____ attention.

Ans
✘ 1. hefty
✘ 2. massive
✔ 3. rapt
✘ 4. vast

Question ID : **26433070451**
Status : **Answered**
Chosen Option : **2**

Q.17 **Parts of the following sentence have been given as options. Select the option that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.**

Amla juice / is rich with / Vitamin C. / no error

Ans
✘ 1. Vitamin C.
✘ 2. Amla juice
✘ 3. No error
✔ 4. is rich with

Question ID : **26433073836**
Status : **Answered**
Chosen Option : **4**

Q.18 **Select the correct indirect form of the given sentence.**
Kavya said to her husband, "I don't mind being a busy woman."

Ans
✘ 1. Kavya told her husband that she had not mind being a busy woman.
✘ 2. Kavya told her husband that she do not mind being a busy woman.
✘ 3. Kavya said to her husband she did not mind being a busy woman.
✔ 4. Kavya told her husband that she did not mind being a busy woman.

Question ID : **264330104622**
Status : **Answered**
Chosen Option : **4**

Q.19 **The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.**
P. The award is named after Alfred Nobel, the Swedish inventor of dynamite.
Q. A Nobel Prize is an award that is given to someone whose work has benefitted society.
R. This award is given in six categories, and medicine is one of those categories.
S. This year Professors David Julius and Ardem Petapoutian have won this prize for medicine.

Ans

✗ 1. SPQR

✗ 2. PQSR

✗ 3. SQRP

✓ 4. QPRS

Question ID : **264330104706**
Status : **Answered**
Chosen Option : **4**

Q.20 **Select the most appropriate option to fill in the blank.**

They hired her to increase sales, but her strategies failed to _____.

Ans

✓ 1. move the needle

✗ 2. burn bridges

✗ 3. spill the beans

✗ 4. get a second wind

Question ID : **26433060315**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
We believe our value is in direct proportion to the value of our accomplishments. If we cannot accomplish certain results, we tend to feel (1)_____ about ourselves. Some of us try too hard and become workaholics and over-achievers. With a few genuine feelings of self-worth, we try to create some and prove that we are somebody by our successes and (2)_____. Because our desire for perfection is so great, we (3)_____ to set unrealistic goals and place unreasonable demands on ourselves. Failing, rather than encouraging us to have realistic aspirations, only leads to a mere punishing round of self-blame and a resolve to drive ourselves harder next time. If we do not finally achieve our goals, we are (4)____; despite everything we have done, we still feel (5)_____ inside.

SubQuestion No : 21

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

Ans

✗ 1. high

✗ 2. good

✓ 3. low

✗ 4. better

Question ID : **26433086404**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
We believe our value is in direct proportion to the value of our accomplishments. If we cannot accomplish certain results, we tend to feel (1)_____ about ourselves. Some of us try too hard and become workaholics and over-achievers. With a few genuine feelings of self-worth, we try to create some and prove that we are somebody by our successes and (2)_____.
Because our desire for perfection is so great, we (3)_____ to set unrealistic goals and place unreasonable demands on ourselves. Failing, rather than encouraging us to have realistic aspirations, only leads to a mere punishing round of self-blame and a resolve to drive ourselves harder next time. If we do not finally achieve our goals, we are (4)____; despite everything we have done, we still feel (5)_____ inside.

SubQuestion No : 22

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

Ans
✗ 1. anxiety
✗ 2. obstacles
✗ 3. actions
✓ 4. achievements

Question ID : **26433086405**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
We believe our value is in direct proportion to the value of our accomplishments. If we cannot accomplish certain results, we tend to feel (1)_____ about ourselves. Some of us try too hard and become workaholics and over-achievers. With a few genuine feelings of self-worth, we try to create some and prove that we are somebody by our successes and (2)_____.
Because our desire for perfection is so great, we (3)_____ to set unrealistic goals and place unreasonable demands on ourselves. Failing, rather than encouraging us to have realistic aspirations, only leads to a mere punishing round of self-blame and a resolve to drive ourselves harder next time. If we do not finally achieve our goals, we are (4)____; despite everything we have done, we still feel (5)_____ inside.

SubQuestion No : 23

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

Ans
✗ 1. come
✓ 2. tend
✗ 3. wish
✗ 4. crave

Question ID : **26433086406**
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.
We believe our value is in direct proportion to the value of our accomplishments. If we cannot accomplish certain results, we tend to feel (1)_____ about ourselves. Some of us try too hard and become workaholics and over-achievers. With a few genuine feelings of self-worth, we try to create some and prove that we are somebody by our successes and (2)_____.
Because our desire for perfection is so great, we (3)_____ to set unrealistic goals and place unreasonable demands on ourselves. Failing, rather than encouraging us to have realistic aspirations, only leads to a mere punishing round of self-blame and a resolve to drive ourselves harder next time. If we do not finally achieve our goals, we are (4)____; despite everything we have done, we still feel (5)_____ inside.

SubQuestion No : 24

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

Ans
✔ 1. disappointed
✘ 2. flattered
✘ 3. protected
✘ 4. glad

Question ID : **26433086407**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
We believe our value is in direct proportion to the value of our accomplishments. If we cannot accomplish certain results, we tend to feel (1)_____ about ourselves. Some of us try too hard and become workaholics and over-achievers. With a few genuine feelings of self-worth, we try to create some and prove that we are somebody by our successes and (2)_____.
Because our desire for perfection is so great, we (3)_____ to set unrealistic goals and place unreasonable demands on ourselves. Failing, rather than encouraging us to have realistic aspirations, only leads to a mere punishing round of self-blame and a resolve to drive ourselves harder next time. If we do not finally achieve our goals, we are (4)____; despite everything we have done, we still feel (5)_____ inside.

SubQuestion No : 25

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

Ans
✘ 1. satisfied
✔ 2. empty
✘ 3. lively
✘ 4. honoured

Question ID : **26433086408**
Status : **Answered**
Chosen Option : **2**