# Combined Graduate Level Examination Tier I 2022

| | |
|---|---|
| Roll Number | |
| Candidate Name | |
| Venue Name | iON Digital Zone IDZ Powai |
| Exam Date | 13/12/2022 |
| Exam Time | 2:30 PM - 3:30 PM |
| Subject | Combined Graduate Level Examination Tier I 2022 |

Section : **General Intelligence and Reasoning**

**Q.1** Three different positions of the same dice are shown. Find the number on the face opposite the face showing '1'.

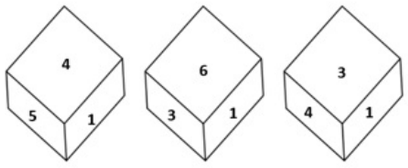



Figure 1 Figure 2 Figure 3

**Ans**
✗ 1. 4
✗ 2. 3
✓ 3. 2
✗ 4. 6

Question ID : **26433069441**
Status : **Answered**
Chosen Option : **3**

**Q.2** **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 P are K.**
**II. No K is T.**
**Conclusion:**
**I. All P are T.**
**II. All T are K.**
**III. Some P are not T.**

**Ans**
✗ 1. Only conclusion II follows
✓ 2. Only conclusion III follows
✗ 3. All conclusion follows
✗ 4. Both conclusions II and III follows

Question ID : **264330104930**
Status : **Answered**
Chosen Option : **2**

Q.3 In a certain code language, 'FROST' is written as '156' and 'CANDLE' is written as '78'.
How will 'SCREAM' be written in that language?

Ans
✗ 1. 115
✗ 2. 89
✓ 3. 118
✗ 4. 59

Question ID : **26433067566**
Status : **Answered**
Chosen Option : **3**

Q.4 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row - 12, 7, 32
Second row - 17, 13, 33
Third row - 14, 8, ?
(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. 38
✗ 2. 35
✗ 3. 43
✗ 4. 42

Question ID : **26433069201**
Status : **Not Answered**
Chosen Option : **--**

Q.5 P + Q means 'P is the father of Q'
P – Q means 'P is the mother of Q'
P * Q means 'P is the sister of Q'
P % Q means 'P is the brother of Q'
If A – B % C * D + E, then how is A related to E?

Ans
✗ 1. Mother
✗ 2. Father's sister
✗ 3. Sister
✓ 4. Father's mother

Question ID : **26433059896**
Status : **Answered**
Chosen Option : **4**

Q.6 By Interchanging the given two numbers which of the following equation will be not correct?
9 and 6

Ans
✗ 1. 7 + 6 × 4 ÷ 9 – 8 = 5
✗ 2. 6 × 8 – 9 ÷ 3 + 5 = 75
✓ 3. 9 × 7 + 4 ÷ 1 – 6 = 38
✗ 4. 7 × 6 ÷ 3 + 9 – 8 = 19

Question ID : **264330105104**
Status : **Answered**
Chosen Option : **1**

Q.7 **Which of the following calendars will be the same as the calendar for the year 2003?**

Ans
✔ 1. 2014
✘ 2. 2013
✘ 3. 2012
✘ 4. 2011

Question ID : **26433093115**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Which of the following letter clusters will replace the question mark (?) and complete the following letter cluster series?**
**DW, FU, HS, JQ, LO, ?**

Ans
✘ 1. NN
✘ 2. MN
✔ 3. NM
✘ 4. NO

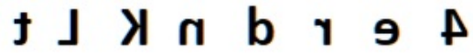
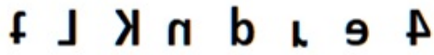
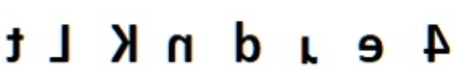
Question ID : **26433066007**
Status : **Answered**
Chosen Option : **3**

Q.9 **If S – T means that S is the mother of T, S × T means that S is the father of T, S + T means that S is the sister of T, then which of the following expression shows that P is the mother of R?**

Ans
✘ 1. Q – P + R
✔ 2. P – Q + R
✘ 3. P × Q + R
✘ 4. R + Q – P

Question ID : **264330104965**
Status : **Answered**
Chosen Option : **2**

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 : **26433070251**
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.)**
**Flock : Birds :: Swarm : ?**

Ans
✗ 1. Rain
✓ 2. Bees
✗ 3. Trees
✗ 4. Flowers

Question ID : **26433056817**
Status : **Answered**
Chosen Option : **2**

Q.12 **Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.**
**8 : 48 :: ? : 143 :: 15 : 195**

Ans
✓ 1. 13
✗ 2. 17
✗ 3. 19
✗ 4. 11

Question ID : **26433059946**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.**
**Statements:**
**• All toys are Lego.**
**• No block is Lego.**
**• Some puzzles are blocks.**
**Conclusions:**
**I. Some Lego are puzzles.**
**II. No Lego is a block.**
**III. Some toys are blocks.**

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

Question ID : **26433058076**
Status : **Answered**
Chosen Option : **1**

Q.14 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
**(5, 2, 23)**
**(6, 2, 34)**
**(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. (3, 3, 3)
✗ 2. (3, 2, 9)
✗ 3. (3, 5, 11)
✓ 4. (3, 2, 7)

Question ID : **26433087184**
Status : **Not Answered**
Chosen Option : **--**

Q.15 **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)**
**Drama : Stage :: Trial : ?**

**Ans**
✗ 1. Police station
✗ 2. Jail
✗ 3. Platform
✓ 4. Court

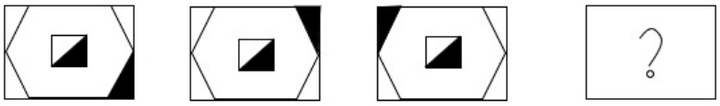
Question ID : **26433067819**
Status : **Answered**
Chosen Option : **4**

Q.16 **Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.**

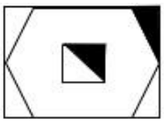
**Ans**
✗ 1. OQS
✗ 2. JLN
✗ 3. HJL
✓ 4. MOP

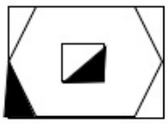
Question ID : **26433069001**
Status : **Answered**
Chosen Option : **4**

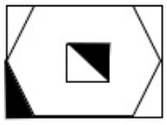
**Q.17** Select the figure that will replace the question mark (?) in the following figure series.

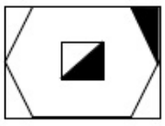


**Ans**

✗ 1. 

✓ 2. 

✗ 3. 

✗ 4. 

Question ID : **26433081062**
Status : **Answered**
Chosen Option : **2**

**Q.18** **In a certain code language, 'YOU' is written as '71' and 'TOO' is written as '60'. How will 'SIT' be written in that language?**

**Ans**

✗ 1. 90

✗ 2. 96

✓ 3. 58

✗ 4. 94

Question ID : **26433069565**
Status : **Answered**
Chosen Option : **3**

**Q.19** **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**
**ABCD, CTFZ, ELIV, GDLR, ?**

**Ans**

✗ 1. ITOQ

✗ 2. QMQR

✗ 3. IMOQ

✓ 4. IVON

Question ID : **264330104819**
Status : **Answered**
Chosen Option : **4**

**Q.20** **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. 10 – 100

✓ 2. 8 – 62

✗ 3. 6 – 36

✗ 4. 4 – 16

Question ID : **264330105053**
Status : **Answered**
Chosen Option : **2**

**Q.21** **Which of the following numbers will replace the question mark (?) in the given series?**
**31, ?, 40, 49, 61, 76**

**Ans**

✗ 1. 36

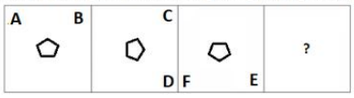
✓ 2. 34

✗ 3. 35

✗ 4. 37

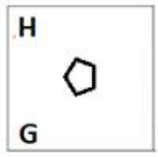
Question ID : **26433068331**
Status : **Answered**
Chosen Option : **2**

**Q.22** Select the figure from among the given options that can replace the question mark (?) in the following series.

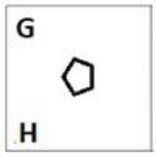



**Ans**

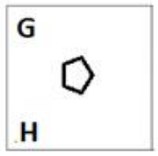
✓ 1.



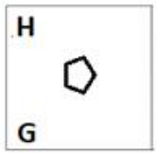

✗ 2.




✗ 3.

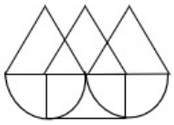



✗ 4.




Question ID : **26433057853**
Status : **Answered**
Chosen Option : **1**

**Q.23** Select the option figure which is embedded in the given figure (rotation is NOT allowed).



**Ans**

✗ 1.

✓ 2.

✗ 3.

✗ 4.

Question ID : **26433068725**
Status : **Answered**
Chosen Option : **2**

**Q.24** **By Interchanging the given two numbers which of the following equation will be correct?**
**2 and 8**

**Ans**

✗ 1. 8 ÷ 1 + 4 × 2 – 3 = 18

✗ 2. 7 × 2 + 6 ÷ 3 – 8 = 60

✗ 3. 2 × 4 – 8 + 6 ÷ 3 = 33

✓ 4. 8 × 4 + 6 – 2 ÷ 1 = 6

Question ID : **264330105096**
Status : **Answered**
Chosen Option : **4**

**Q.25** **Which two signs should be interchanged to make the given equation correct?**
**95 * 5 + 19 ÷ 2 − 21 = 36**

**Ans**

✓ 1. ÷ and *

✗ 2. + and −

✗ 3. ÷ and −

✗ 4. + and *

Question ID : **26433067850**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

**Q.1** **_____ is the only continent through which the tropic of cancer, the equator and the tropic of capricorn passes.**

**Ans**

✗ 1. North America

✓ 2. Africa

✗ 3. Europe

✗ 4. Asia

Question ID : **264330105620**
Status : **Answered**
Chosen Option : **4**

Q.2 **Which of the following is NOT correct about the jurisdiction of the High Court?**

Ans
✗ 1. It controls the subordinate courts within its jurisdiction.
✗ 2. It has the power of judicial review.
✓ 3. It provides advisory opinion to the President of India.
✗ 4. It has writ jurisdiction.

Question ID : **26433069896**
Status : **Not Answered**
Chosen Option : **--**

Q.3 **Who released a special stamp entitled 'Wheat Revolution' in July 1968?**

Ans
✗ 1. Mahatma Gandhi
✗ 2. Jawaharlal Nehru
✓ 3. Indira Gandhi
✗ 4. Motilal Nehru

Question ID : **26433065455**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Who among the following ruled in India between 1266 and 1287?**

Ans
✗ 1. Qutub-ud-din-Aybak
✗ 2. Aram Shah
✗ 3. Shams-ud-din-Iltutmish
✓ 4. Ghiyasuddin Balban

Question ID : **264330105400**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Which of the following is NOT mentioned as a Fundamental Right in the Constitution of India?**

Ans
✗ 1. Right to education
✓ 2. Right to property
✗ 3. Right to freedom
✗ 4. Right against exploitation

Question ID : **26433086797**
Status : **Answered**
Chosen Option : **2**

Q.6 **In February 2022, Maharashtra government announced 'Hope Express' initiative to _____.**

Ans
✓ 1. prevent cancer
✗ 2. improve drainage system
✗ 3. manage industrial waste
✗ 4. improve air quality

Question ID : **264330105285**
Status : **Answered**
Chosen Option : **4**

Q.7 **Who among the following was awarded the National Nritya Shiromani Award 2022?**

Ans
✗ 1. Radha Reddy
✓ 2. Aparna Satheesan
✗ 3. Usha Srinivasan
✗ 4. Deepa Sashindran

Question ID : **26433090711**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Which food requires a longer small intestine to digest food?**

Ans
✗ 1. Lamb
✗ 2. Eggs
✓ 3. Grass
✗ 4. Chicken

Question ID : **26433091484**
Status : **Answered**
Chosen Option : **3**

Q.9 **Yellow card in badminton indicates:**

Ans
✗ 1. fault for misconduct
✗ 2. suspension for misconduct
✓ 3. warning for misconduct
✗ 4. disqualified for misconduct

Question ID : **26433059424**
Status : **Not Answered**
Chosen Option : **--**

Q.10 **The national Archives of India came up in the _____.**

Ans
✗ 1. 1930s
✗ 2. 1910s
✓ 3. 1920s
✗ 4. 1900s

Question ID : **264330105543**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **Personal disposable income (PDI) can be defined as _____.**

Ans
✗ 1. PI + Personal tax payments +Non-tax payments
✗ 2. PI + Personal tax payments – Non-tax payments
✓ 3. PI – Personal tax payments – Non-tax payments
✗ 4. PI – Personal tax payments + Non-tax payments

Question ID : **264330105394**
Status : **Not Answered**
Chosen Option : **--**

**Q.12** **In India the 1st census was held in the year _____.**

**Ans**

✔ 1. 1872

✘ 2. 1860

✘ 3. 1900

✘ 4. 1920

Question ID : **264330105490**
Status : **Answered**
Chosen Option : **4**

**Q.13** **The Kunbi dance is performed by the tribal community of _____.**

**Ans**

✘ 1. Sikkim

✘ 2. Tamil Nadu

✘ 3. Uttar Pradesh

✔ 4. Goa

Question ID : **26433064293**
Status : **Not Answered**
Chosen Option : **--**

**Q.14** **A cyclone is known by different names in different parts of the world. In Philippines it is called as _____.**

**Ans**

✘ 1. willy-willy

✘ 2. hurricane

✔ 3. typhoon

✘ 4. mango shower

Question ID : **26433086625**
Status : **Not Answered**
Chosen Option : **--**

**Q.15** **Who among the following defeated Mughal emperor Humayun at Chausa?**

**Ans**

✘ 1. Mirza Hakim

✘ 2. Safavid Shah

✔ 3. Sher Khan

✘ 4. Mirza Kamran

Question ID : **264330105434**
Status : **Answered**
Chosen Option : **3**

**Q.16** **Prime Minister Narendra Modi said, "Seema Darshan Project adds a new dimension to the tourism sector". This project will boost tourism in _____.**

**Ans**

✔ 1. Gujarat

✘ 2. Uttar Pradesh

✘ 3. Rajasthan

✘ 4. Jammu and Kashmir

Question ID : **264330105277**
Status : **Answered**
Chosen Option : **4**

Q.17 _____ has become the first city in the country to get a processed steel slag (industrial waste) road.

Ans
✔ 1. Surat
✘ 2. Chennai
✘ 3. Kanpur
✘ 4. Shimla

Question ID : **264330105216**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which country hosted the first ever Commonwealth Games in 1930?

Ans
✘ 1. Australia
✘ 2. New Zealand
✘ 3. England
✔ 4. Canada

Question ID : **26433059400**
Status : **Not Answered**
Chosen Option : **--**

Q.19 The theory of plate tectonics proposes that the earth's lithosphere is divided into _____ major and some minor plates.

Ans
✔ 1. 7
✘ 2. 6
✘ 3. 12
✘ 4. 16

Question ID : **26433086622**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Why does one get cramps after sudden physical activity?

Ans
✘ 1. The build-up of hydrochloric acid in our muscles during sudden activity causes cramps.
✘ 2. The pepsin enzyme releases chemicals that lead to cramps.
✘ 3. The oxygen molecules breaks down.
✔ 4. The build-up of lactic acid in our muscles during sudden activity causes cramps.

Question ID : **26433066668**
Status : **Answered**
Chosen Option : **4**

**Q.21** Match the elements in column A with the element group they belong to, in column B

| Column-A (Element) | Column-B (Group of element in the periodic table) |
|---|---|
| i. Na | a. Alkali metal |
| ii. Cu | b. Alkaline earth metal |
| iii. Mg | c. Transition metal |
| iv. He | d. Zero group element |

**Ans**
✗ 1. i-a, ii-d, iii-b, iv-c
✗ 2. i-a, ii-b, iii-c, iv-d
✓ 3. i-a, ii-c, iii-b, iv-d
✗ 4. i-d, ii-a, iii-b, iv-c

Question ID : **26433064110**
Status : **Not Answered**
Chosen Option : **--**

**Q.22** **Abdul Karim Khan and Abdul Wahid Khan were the founders of the _____ gharana.**

**Ans**
✗ 1. Jaipur - Atrauli
✗ 2. Gwalior
✗ 3. Agra
✓ 4. Kirana

Question ID : **26433054485**
Status : **Not Answered**
Chosen Option : **--**

**Q.23** **Who among the following has the credit to invent and create a new style of 'Bharatanatyam'?**

**Ans**
✗ 1. Yamini Krishnamurthy
✓ 2. Dr Padma Subrahmanyam
✗ 3. Rukmini Devi Arundale
✗ 4. Chinta Ravi Bala Krishna

Question ID : **26433082129**
Status : **Answered**
Chosen Option : **3**

**Q.24** **Puhar or Kaveripattinam, was the port of which of the following dynasty?**

**Ans**
✗ 1. Cheras
✓ 2. Cholas
✗ 3. Pandyas
✗ 4. Vakatakas

Question ID : **264330105186**
Status : **Not Answered**
Chosen Option : **--**

**Q.25 National Dairy Research Institute is located at:**

**Ans**
✔ 1. Karnal
✘ 2. Anand
✘ 3. Lucknow
✘ 4. Palampur

Question ID : **26433089206**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

**Q.1 The HCF of three numbers 72, 108 and 2010 is:**

**Ans**
✘ 1. 18
✔ 2. 6
✘ 3. 12
✘ 4. 5

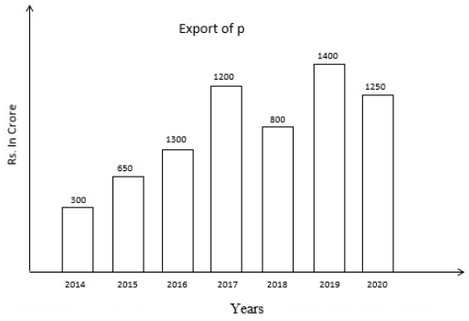
Question ID : **26433079818**
Status : **Answered**
Chosen Option : **2**

**Q.2** If $\sec\theta + \frac{1}{cos\theta} = 2$, find the value of $sec^{55}\theta + \frac{1}{sec^{55}\theta}$.

**Ans**
✔ 1. 2
✘ 2. 0
✘ 3. 1
✘ 4. 55

Question ID : **26433061772**
Status : **Answered**
Chosen Option : **3**

**Q.3** The following bar chat shows the export of a certain commodity P in crore rupees between 2014 and 2020.




For how many years, there was less export of P than the average export of P?

**Ans**
✘ 1. 2
✘ 2. 1
✘ 3. 4
✔ 4. 3

Question ID : **26433075960**
Status : **Answered**
Chosen Option : **4**

**Q.4** The cost price of an article is ₹800. After allowing a discount of 10%, a gain of 12.5% was made. The marked price of the article is:

**Ans**

✗ 1. ₹1,300

✗ 2. ₹1,200

✓ 3. ₹1,000

✗ 4. ₹1,100

Question ID : **26433076037**
Status : **Not Answered**
Chosen Option : **--**

**Q.5** The side of an equilateral triangle is 9 cm. What is the radius of the circle circumscribing this equilateral triangle?

**Ans**

✗ 1. $2\sqrt{3}$ cm

✗ 2. $5\sqrt{3}$ cm

✗ 3. $4\sqrt{3}$ cm

✓ 4. $3\sqrt{3}$ cm

Question ID : **264330105869**
Status : **Not Answered**
Chosen Option : **--**

**Q.6** Shiva's monthly salary is Rs.75,000. He spends Rs.12,000 on household items, Rs.14,000 on LIC and mutual funds, Rs.15,000 on his children's education, and keeps Rs.10,000 for miscellaneous expenses. His savings are Rs.21,000 per month and he donates the rest of the amount to an orphanage. The percentage of his income that he donates is:

**Ans**

✗ 1. 3%

✗ 2. 6%

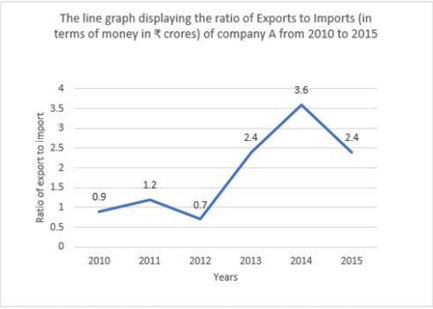
✗ 3. 8%

✓ 4. 4%

Question ID : **26433075313**
Status : **Not Answered**
Chosen Option : **--**

**Q.7** The following line graph displays the ratio of exports to imports (in terms of money in ₹ crores) of company A from 2010 to 2015.

Study the graph carefully and answer the question based on the given line graph.




In how many years, the export of company A was more than the company's import?

**Ans**

✔ 1. Four

✘ 2. Two

✘ 3. Six

✘ 4. Three

Question ID : **26433082778**
Status : **Answered**
Chosen Option : **4**

**Q.8** If $\tan 40^0 = \alpha$, then find $\frac{\tan 320^0 - \tan 310^0}{1+\tan 320^0 . \tan 310^0}$.

**Ans**

✘ 1. $\frac{1-\alpha^2}{\alpha}$

✘ 2. $\frac{1+\alpha^2}{2\alpha}$

✔ 3. $\frac{1-\alpha^2}{2\alpha}$

✘ 4. $\frac{1+\alpha^2}{\alpha}$

Question ID : **26433063828**
Status : **Not Answered**
Chosen Option : **--**

**Q.9** **The table given below shows the foreign trade by two countries in 5 different years.**

| | Country | |
|---|---|---|
| Years | L | M |
| Y1 | 250 | 125 |
| Y2 | 230 | 185 |
| Y3 | 155 | 275 |
| Y4 | 145 | 255 |
| Y5 | 115 | 170 |

**What is the total foreign trade by country M in all the 5 years?**

**Ans**

✔ 1. 1010

✘ 2. 1215

✘ 3. 505

✘ 4. 1005

Question ID : **264330105758**
Status : **Answered**
Chosen Option : **1**

Q.10 **A train travels at a speed of 18 m/s in the first 5 minutes, covers 7.5 km in the next 10 minutes and covers 12 km in another 10 minutes. What is its average speed (in km/h, rounded off to 1 decimal place) for the entire journey?**

Ans
✔ 1. 59.8
✘ 2. 71.2
✘ 3. 45.7
✘ 4. 64.6

Question ID : **26433095010**
Status : **Not Answered**
Chosen Option : **--**

Q.11 If, $\frac{r}{13}+\frac{13}{r}=1$ then the value of $r^3$ is:

Ans
✘ 1. -2157
✘ 2. 2197
✘ 3. 2157
✔ 4. -2197

Question ID : **26433074244**
Status : **Not Answered**
Chosen Option : **--**

Q.12 If $\frac{a}{b}+\frac{b}{a}=-1$ and $a-b=2$, then the value of $a^3-b^3$ is:

Ans
✔ 1. $0$
✘ 2. $\frac{1}{2}$
✘ 3. $1$
✘ 4. $-1$

Question ID : **26433079813**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **A person borrowed ₹2,000 at 5% annual simple interest repayable in 3 equal annual installments. What will be the annual installment?**

Ans
✔ 1. $₹730\frac{10}{63}$
✘ 2. $₹840\frac{9}{61}$
✘ 3. $₹640\frac{11}{63}$
✘ 4. $₹250\frac{10}{63}$

Question ID : **26433076081**
Status : **Not Answered**
Chosen Option : **--**

**Q.14** Two persons A and B working separately can sanitise a building in 6 and 10 hours, respectively. They work in stretches of one hour alternately. If A begins at 8 a.m., then when will the work be finished?

**Ans**

✗ 1. $9\frac{1}{3}$ h

✓ 2. $7\frac{1}{3}$ h

✗ 3. $6\frac{1}{3}$ h

✗ 4. $8\frac{1}{3}$ h

Question ID : **26433080200**
Status : **Not Answered**
Chosen Option : **--**

**Q.15** The area of two similar triangles are 324 $cm^2$ and 289 $cm^2$, respectively. What is the ratio of their corresponding altitudes?

**Ans**

✗ 1. $\frac{17}{18}$

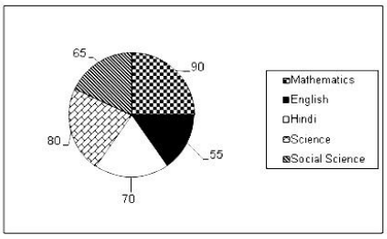
✗ 2. $\frac{17}{19}$

✗ 3. $\frac{19}{17}$

✓ 4. $\frac{18}{17}$

Question ID : **26433066331**
Status : **Not Answered**
Chosen Option : **--**

**Q.16** The pie-chart shows marks of a student in different subjects out of 100.




The marks scored in Hindi and Mathematics are more than the marks scored in English and Science by:

**Ans**

✗ 1. 35

✓ 2. 25

✗ 3. 20

✗ 4. 30

Question ID : **26433079970**
Status : **Answered**
Chosen Option : **2**

Q.17 **Train A running at 81 km/h takes 72 sec to overtake train B, when both the trains are running in the same direction, but it takes 36 sec to cross each other if the trains are running in the opposite direction. If the length of train B is 600 metres, then find the length of train A. (in metres)**

Ans
✗ 1. 600
✓ 2. 480
✗ 3. 590
✗ 4. 900

Question ID : **26433079956**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **An airplane goes 14 km due east and then 48 km due north. How far is it from its initial position?**

Ans
✗ 1. 14 km
✗ 2. 48 km
✓ 3. 50 km
✗ 4. 28 km

Question ID : **26433079780**
Status : **Answered**
Chosen Option : **3**

Q.19 **If $\triangle ABC \cong \triangle PQR$ and $\angle ABC = (x + 60)°$, $\angle PQR = (85 - 4x)°$, and $\angle RPQ = (3x + 65)°$, then the value of $\angle ABC$ in degree is:**

Ans
✗ 1. 15
✗ 2. 5
✗ 3. 45
✓ 4. 65

Question ID : **26433083004**
Status : **Not Answered**
Chosen Option : **--**

Q.20 **If the number 6788934a4 is divisible by 11,then find the smallest whole number in the place of a.**

Ans
✗ 1. 3
✗ 2. 4
✗ 3. 5
✓ 4. 2

Question ID : **26433074331**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **Ram sold an item costing Rs.1,250 at a gain of 18% to Ramesh. It was again sold by Ramesh to Shyam at a loss of 10%. Find the selling price of Ramesh.**

Ans
✗ 1. Rs.1,328.50
✗ 2. Rs.1,428.50
✗ 3. Rs.1,427.50
✓ 4. Rs.1,327.50

Question ID : **26433064970**
Status : **Answered**
Chosen Option : **4**

**Q.22** **The ratio of the present age of father to that of his son is 7 : 2. If after 10 years the ratio of their ages will become 9 : 4, then the present age of the father is:**

**Ans**

✗ 1. 43 years

✓ 2. 35 years

✗ 3. 37 years

✗ 4. 40 years

Question ID : **26433065280**
Status : **Not Answered**
Chosen Option : **--**

**Q.23** If $\tan^2\theta + \tan^4\theta = 1$, then:

**Ans**

✗ 1. $\cot^2\theta + \cot^4\theta = 1$

✓ 2. $\cos^2\theta + \cos^4\theta = 1$

✗ 3. $\sin^2\theta + \sin^4\theta = 1$

✗ 4. $\text{cosec}^2\theta + \sec^4\theta = 1$

Question ID : **26433075222**
Status : **Answered**
Chosen Option : **1**

**Q.24** If the diameter of a solid hemisphere is 12.6 cm, then its volume is (take $\pi = \frac{22}{7}$):

**Ans**

✗ 1. $1{,}259\ \text{cm}^3$

✗ 2. $987\ \text{cm}^3$

✓ 3. $523.908\ \text{cm}^3$

✗ 4. $1{,}235.621\ \text{cm}^3$

Question ID : **26433065305**
Status : **Not Answered**
Chosen Option : **--**

**Q.25** Which of the following statement is correct?

I. The value of $100^2 - 99^2 + 98^2 - 97^2 + 96^2 - 95^2 + 94^2 - 93^2 + \ldots\ldots + 22^2 - 21^2$ is 4840.

II. The value of $\left(k^2+\frac{1}{k^2}\right)\left(k-\frac{1}{k}\right)\left(k^4+\frac{1}{k^4}\right)\left(k+\frac{1}{k}\right)\left(k^4-\frac{1}{k^4}\right)$ is $k^{16}-\frac{1}{k^{16}}$.

**Ans**

✗ 1. Neither I nor II

✗ 2. Both I and II

✗ 3. Only II

✓ 4. Only I

Question ID : **264330105962**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

Q.1 **Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.**

**This package is ideal for infant teenager who are just getting started with babysitting.**

Ans
✗ 1. youngest teenagers
✗ 2. younger teenagers
✓ 3. young teenagers
✗ 4. No substitution required

Question ID : **26433088513**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the option that can be used as a one-word substitute for the given group of words.**

**Making of a false document with a false signature**

Ans
✗ 1. Ruse
✓ 2. Forgery
✗ 3. Insincerity
✗ 4. Deception

Question ID : **26433061037**
Status : **Answered**
Chosen Option : **2**

Q.3 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

**There can be precious / diamonds and metals / in the surface / just below you.**

Ans
✗ 1. diamonds and metals
✗ 2. just below you.
✓ 3. in the surface
✗ 4. There can be precious

Question ID : **26433096150**
Status : **Answered**
Chosen Option : **3**

Q.4 **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. A glimpse of its rich cultural heritage can be found through the great monuments and other historical sites it has.**
**B. India has a vast cultural and linguistic diversity which make the country culturally rich.**
**C. These monuments and historical sites are the symbols of India's diversity.**
**D. Several historical sites and monuments are identified as UN Heritage Sites.**

Ans
✗ 1. CDAB
✗ 2. BADC
✓ 3. BACD
✗ 4. ABCD

Question ID : **26433072378**
Status : **Answered**
Chosen Option : **3**

**Q.5** **Rearrange the parts of the sentence in correct order. apart from generating**
**P. real income for players, play-to-earn**
**Q. games also create communities**
**R. where gamers and creators can meet, share**
**S. wisdom, and do deals with one another**

**Ans**
✗ 1. RSQP
✓ 2. PQRS
✗ 3. PRQS
✗ 4. SPRQ

Question ID : **264330104676**
Status : **Answered**
Chosen Option : **3**

**Q.6** **Select the correct indirect form of the given sentence.**
**Farah said to her aunt, "I am studying contemporary art."**

**Ans**
✗ 1. Farah told her aunt that she was study contemporary art.
✗ 2. Farah told her aunt that she is studying contemporary art.
✗ 3. Farah told her aunt that she had been studying contemporary art.
✓ 4. Farah told her aunt that she was studying contemporary art.

Question ID : **264330104601**
Status : **Answered**
Chosen Option : **4**

**Q.7** **Select the correct passive form of the given sentence.**
**They welcomed Jane and Karan to the gathering.**

**Ans**
✗ 1. Jane and Karan is welcomed by them to the gathering.
✗ 2. Jane and Karan had been welcomed by them to the gathering.
✗ 3. Jane and Karan are welcomed by them to the gathering.
✓ 4. Jane and Karan were welcomed by them to the gathering.

Question ID : **264330104558**
Status : **Answered**
Chosen Option : **4**

**Q.8** **Select the most appropriate ANTONYM of the underlined word in the context of the given sentence.**

**You should donate your old clothes to the poor.**

**Ans**
✗ 1. young
✓ 2. new
✗ 3. modern
✗ 4. fresh

Question ID : **26433061040**
Status : **Answered**
Chosen Option : **2**

Q.9 **Select the correct passive form of the given sentence.**
**Has she completed the record?**

Ans
✔ 1. Has the record been completed by her?
✘ 2. Has the record completed by her?
✘ 3. Has the record had been completed by her?
✘ 4. Has the record been complete by her?

Question ID : **264330104549**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the sentence with the appropriate use of preposition.**

Ans
✘ 1. The lion and the unicorn fought between the crown.
✔ 2. The lion and the unicorn fought for the crown.
✘ 3. The lion and the unicorn fought by the crown.
✘ 4. The lion and the unicorn fought up the crown.

Question ID : **26433073893**
Status : **Answered**
Chosen Option : **2**

Q.11 **A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.**
**To make your own gargle, _____ half a teaspoon of salt in a glass of lukewarm or partly cooled boiled water.**

Ans
✘ 1. cease
✘ 2. cast
✘ 3. consolidate
✔ 4. dissolve

Question ID : **264330104773**
Status : **Answered**
Chosen Option : **4**

Q.12 **Select the most appropriate option to fill in the blank.**

**The class teacher made us wait after school to _____ some advice on how to attempt the board exam.**

Ans
✘ 1. leave
✘ 2. pay
✔ 3. give
✘ 4. deliver

Question ID : **26433089743**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the sentences that contains no spelling errors.**

Ans
✘ 1. India has started the largest inocultaion drive in the world against Covid.
✔ 2. India has started the largest inoculation drive in the world against Covid.
✘ 3. India has started the largest inculation drive in the world against Covid.
✘ 4. India has started the largest inokulation drive in the world against Covid.

Question ID : **26433070700**
Status : **Answered**
Chosen Option : **2**

**Q.14** **Select the option that can be used as a one-word substitute for the given group of words.**

**A list or collection of books or informative graphics**

**Ans**
- ✗ 1. Bale
- ✗ 2. Hamlet
- ✗ 3. Gallery
- ✓ 4. Catalogue

Question ID : **26433073679**
Status : **Answered**
Chosen Option : **4**

**Q.15** **Select the most appropriate idiom that can substitute the italicised words in the given sentence.**

**My mother said, *"Make consistent progress for success."***

**Ans**
- ✓ 1. slow and steady
- ✗ 2. make a habit
- ✗ 3. in and outs
- ✗ 4. do's and don'ts

Question ID : **26433060512**
Status : **Answered**
Chosen Option : **1**

**Q.16** **Select the most appropriate meaning of the underlined idiom in the given sentence.**

**The intern aspired to understand the ins and outs of the operating systems of the institution.**

**Ans**
- ✗ 1. Stern regulations
- ✗ 2. Prior conditions
- ✗ 3. Elaborate theories
- ✓ 4. Detailed description

Question ID : **26433071988**
Status : **Answered**
Chosen Option : **4**

**Q.17** **Select the most appropriate synonym for the underlined word in the given sentence.**

**You also worked with another eccentric genius.**

**Ans**
- ✗ 1. Middle
- ✗ 2. ecological
- ✓ 3. Peculiar
- ✗ 4. elusive

Question ID : **26433072083**
Status : **Answered**
Chosen Option : **3**

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

**Incoherent**

**Ans**

✗ 1. Gloomy

✗ 2. Apparent

✗ 3. Pensive

✓ 4. Rational

Question ID : **26433071784**
Status : **Not Answered**
Chosen Option : **--**

**Q.19** **Select the option that is similar in meaning to the underlined word.**

**He <u>declined</u> the offer to join the Board of Directors.**

**Ans**

✗ 1. Delayed

✓ 2. Rejected

✗ 3. Modified

✗ 4. Deferred

Question ID : **26433060588**
Status : **Answered**
Chosen Option : **2**

**Q.20** **Identify the spelling error in the given sentence and select the option that rectifies the error.**

**Success is the continious journey towards the achievement of predetermined goals.**

**Ans**

✓ 1. continuous

✗ 2. sucsess

✗ 3. gaols

✗ 4. achivement

Question ID : **26433060318**
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 hummingbird's brilliant throat colour is not caused by feather (1) _____, but rather by iridescence in the arrangement of the feathers. Light level, moisture, angle of viewing, wear and tear and other factors all (2) _____ just how bright and colourful the throat may appear. Hummingbirds cannot walk or hop, though their feet can be used to (3) _____ sideways while they are perched. These birds have evolved smaller feet to be lighter for more (4) _____ flying. They will use their feet for itching and (5) _____, however.

**SubQuestion No : 21**

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

**Ans**

✗ 1. perspiration

✗ 2. deposition

✗ 3. sediment

✓ 4. pigment

Question ID : **26433073346**
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 hummingbird's brilliant throat colour is not caused by feather (1) _____, but rather by iridescence in the arrangement of the feathers. Light level, moisture, angle of viewing, wear and tear and other factors all (2) _____ just how bright and colourful the throat may appear. Hummingbirds cannot walk or hop, though their feet can be used to (3) _____ sideways while they are perched. These birds have evolved smaller feet to be lighter for more (4) _____ flying. They will use their feet for itching and (5) _____, however.

**SubQuestion No : 22**

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

**Ans**
✔ 1. influence
✘ 2. allure
✘ 3. intimidate
✘ 4. persuade

Question ID : **26433073347**
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 hummingbird's brilliant throat colour is not caused by feather (1) _____, but rather by iridescence in the arrangement of the feathers. Light level, moisture, angle of viewing, wear and tear and other factors all (2) _____ just how bright and colourful the throat may appear. Hummingbirds cannot walk or hop, though their feet can be used to (3) _____ sideways while they are perched. These birds have evolved smaller feet to be lighter for more (4) _____ flying. They will use their feet for itching and (5) _____, however.

**SubQuestion No : 23**

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

**Ans**
✘ 1. migrate
✘ 2. obtrude
✘ 3. forage
✔ 4. scoot

Question ID : **26433073348**
Status : **Not Answered**
Chosen Option : **--**

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
A hummingbird's brilliant throat colour is not caused by feather (1) _____, but rather by iridescence in the arrangement of the feathers. Light level, moisture, angle of viewing, wear and tear and other factors all (2) _____ just how bright and colourful the throat may appear. Hummingbirds cannot walk or hop, though their feet can be used to (3) _____ sideways while they are perched. These birds have evolved smaller feet to be lighter for more (4) _____ flying. They will use their feet for itching and (5) _____, however.

**SubQuestion No : 24**

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

**Ans**
✘ 1. slipshod
✔ 2. efficient
✘ 3. methodical
✘ 4. structured

Question ID : **26433073349**
Status : **Not Answered**
Chosen Option : **--**

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
A hummingbird's brilliant throat colour is not caused by feather (1) _____, but rather by iridescence in the arrangement of the feathers. Light level, moisture, angle of viewing, wear and tear and other factors all (2) _____ just how bright and colourful the throat may appear. Hummingbirds cannot walk or hop, though their feet can be used to (3) _____ sideways while they are perched. These birds have evolved smaller feet to be lighter for more (4) _____ flying. They will use their feet for itching and (5) _____, however.

**SubQuestion No : 25**

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

**Ans**

✔ 1. preening

✘ 2. devouring

✘ 3. flouncing

✘ 4. scintillating

Question ID : **26433073350**
Status : **Not Answered**
Chosen Option : **--**