## **Combined Graduate Level Examination 2020 Tier-I**

| Roll Number    |   |
|----------------|---|
| Candidate Name |   |
| Venue Name     | iON Digital Zone iDZ Majhipali                  |
| Exam Date      | 17/08/2021                                      |
| Exam Time      | 3:00 PM - 4:00 PM                               |
| Subject        | Combined Graduate Level Examination 2020 Tier 1 |

Section: General Intelligence and Reasoning

Q.1 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

Ans

**X** 1. NQT

X 2. MPS

X 4. PSV

Question ID: 81616112305

Status : Answered

Chosen Option: 3

Q.2 There are 28 persons present at a press conference. After the conference they all shake hands with each other. If 7 of them refuse to shake hands at all, then how many hands shakes will be there altogether?

Ans X 1. 378

× 2. 231

**X** 3. 420

**4**. 210

Question ID: 81616112219

Status: Not Answered

Chosen Option: --

Q.3 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

396:24::?:28::672:30

Ans X 1. 504

**2.572** 

**X** 3. 588

X 4. 536

Question ID: 81616113931

Status: Not Answered

| Q.4 | Select the option in which the numbers are related in the same way as are the |
|-----|---|
|     | numbers of the following set.   |

**Ans 1.** (20, 24, 16)

**2.** (18, 6, 15)

**X** 3. (24, 15, 44)

**X** 4. (11, 16, 51)

Question ID: 81616113933 Status: Answered

Chosen Option : 1

Select the correct mirror image of the given figure when the mirror is placed to its right side.



Ans









Question ID: 81616112224 Status: Answered

Chosen Option: 2

Q.6 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

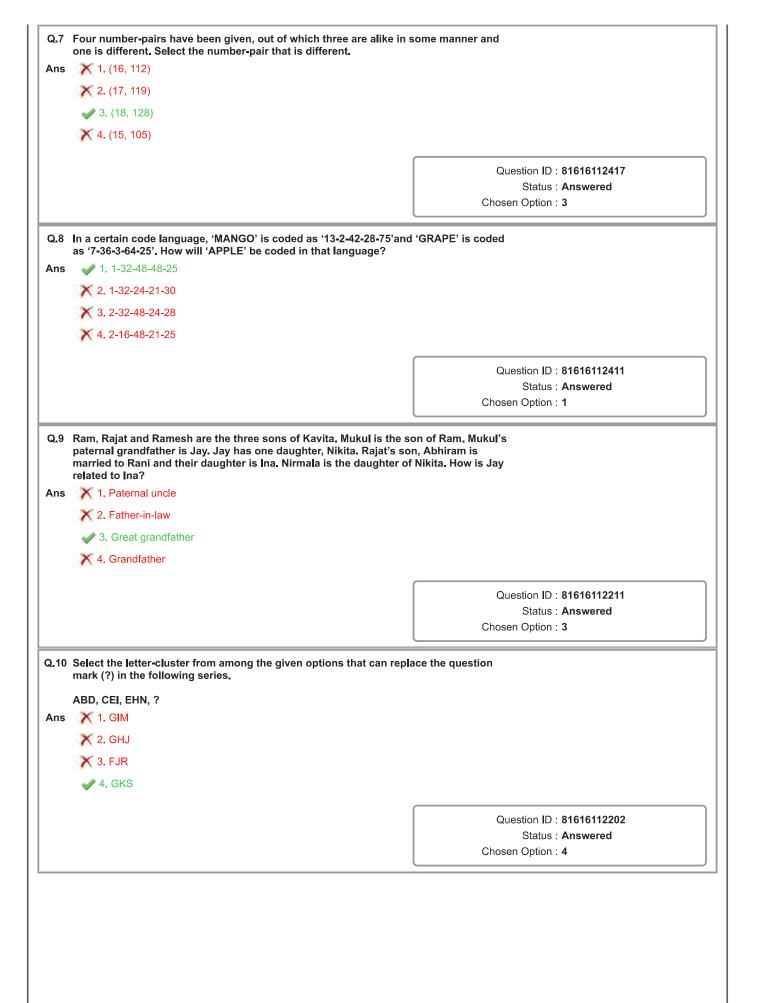
X 2. P, R, Q, S, P, R, R, P, Q

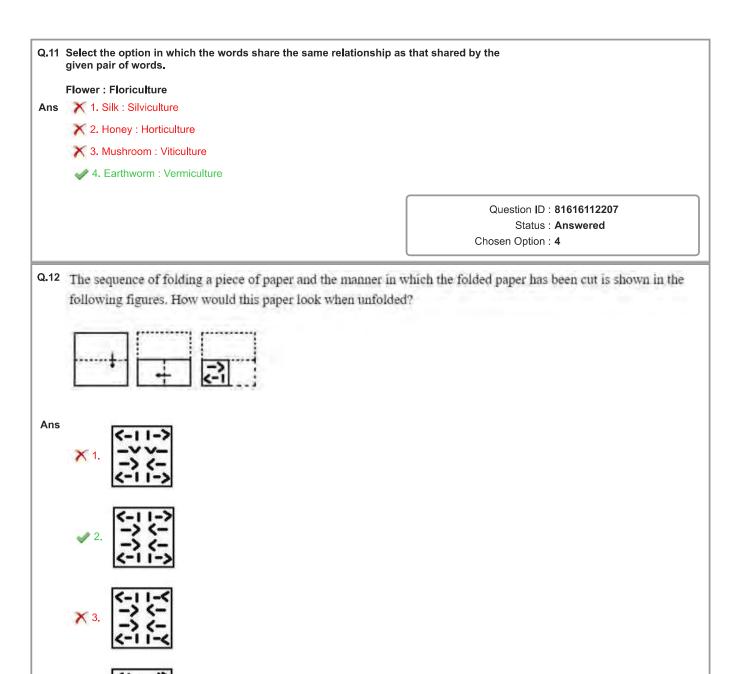
🗶 3. S, P, R, S, P, R, Q, Q, S

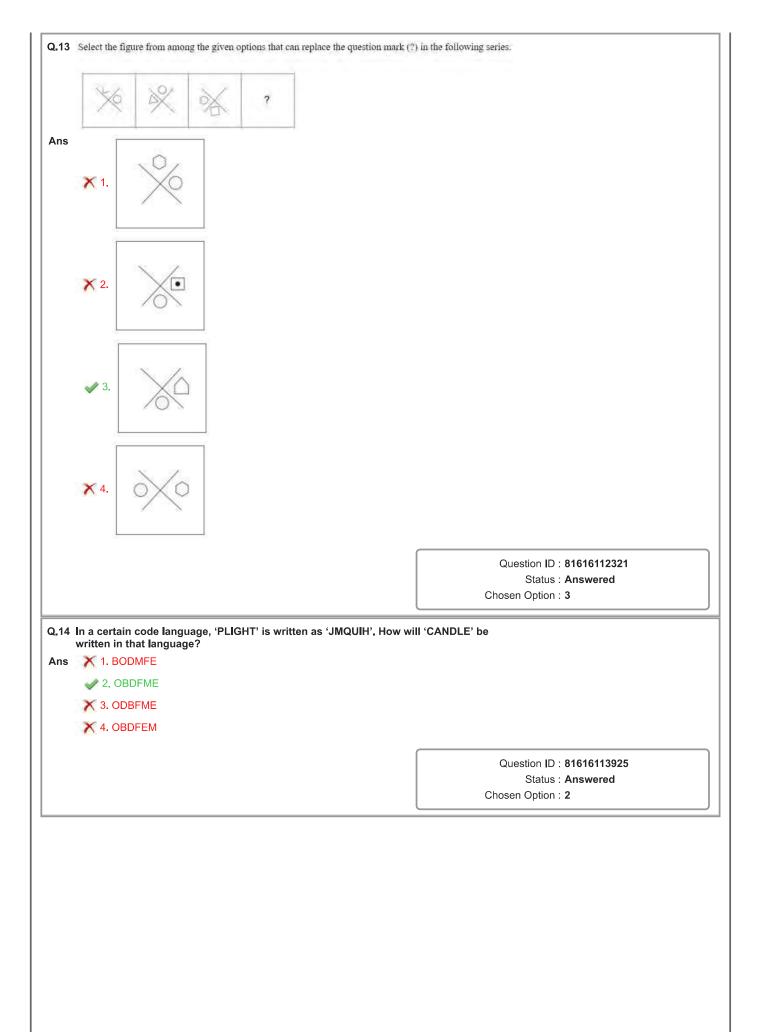
X 4. P, R, Q, S, Q, S, P, R, S

Question ID: 81616112210

Status: Not Answered







| Q.15 | Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. |
|------|---|
|      | 1. Hygienic 2. Hydroplane 3. Hydroelectric 4. Hydroxide 5. Hydrology  |
| Ans  | 1. 1, 2, 3, 4, 5  |
|      |   |
|      | <b>★</b> 3. 3, 5, 1, 2, 4   |

Question ID: 81616112304 Status : Answered

Chosen Option: 2

Q.16 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

Ans

1. Mistress

**X** 4. 3, 5, 1, 4, 2

X 2. Guide

X 3. Instructor

X 4. Mentor

Question ID: 81616112407 Status: Answered

Chosen Option: 1

Q.17 In the following Venn diagram, the triangle stands for 'Players', the hexagon stands for 'Indians', and the rectangle stands for 'Boys'. The given numbers represent the number of persons in that particular category.



How many Indians are players but are NOT boys?

Ans 🗙 1. 9

X 2. 11

**3.** 10

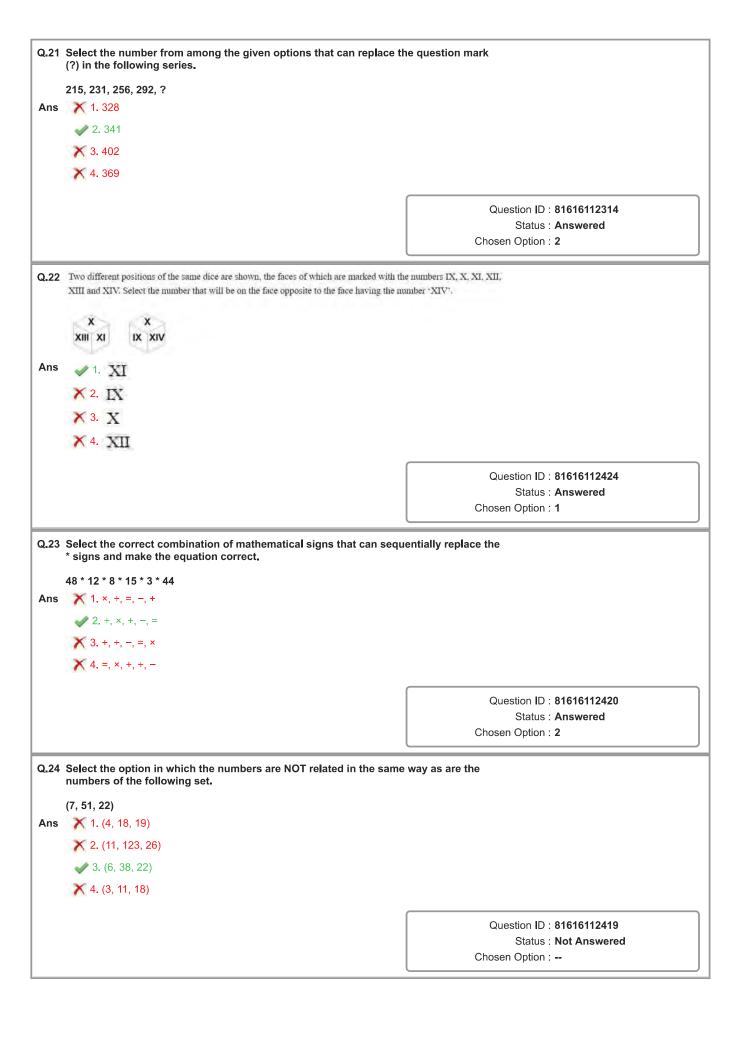
X 4. 8

Question ID: 81616113943

Status: Answered

Q.18 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: No guest is trained. All trained are employees. Some employees are tall. Conclusions: I. Some tall are trained. II. Some employees are trained. III. No tall is a guest. Ans X 1. Only conclusion I follows 2. Only conclusion II follows X 3. Only conclusions I and II follow X 4. All the conclusions follow Question ID: 81616113929 Status: Answered Chosen Option: 4 How many rectangles are there in the given figure? Ans X 1. 12 X 2. 8 X 3. 10 √ 4. 14 Question ID: 81616112423 Status: Answered Chosen Option: 4 Q.20 Select the option that is embedded in the given figure (rotation is NOT allowed). Ans

> Question ID : 81616112223 Status : Answered



Q.25 Select the option that is related to the third word in the same way as the second word is related to the first word. Sheep: Lamb:: Cockroach:? Ans X 1. Larva X 2. Caterpillar X 3. Filly 4. Nymph Question ID: 81616112307 Status: Answered Chosen Option: 3 Section: General Awareness Q.1 Which Ministry of the Government of India received the SKOCH Challenger Award for 'Best Performance in e-Governance' in January 2021? 1. Ministry of Tribal Affairs Ans X 2. Ministry of Parliamentary Affairs X 3. Ministry of Education X 4. Ministry of Information and Broadcasting Question ID: 81616112352 Status: Answered Chosen Option: 1 Q.2 Which of the following statements is related to positive economics? 1. An increase in money supply implies a price rise in an economy. Ans X 2. Inequalities in the distribution of wealth and incomes should be reduced. X 3. Inflation is better than deflation. X 4. More production of luxury goods is not good for a less developed country. Question ID: 81616112229 Status: Answered Chosen Option : 1 Q.3 Who among the following along with Motilal Nehru was instrumental in the creation of the Swaraj Party? 1. Chittaranjan Das X 2. Surendranath Banerjee X 3. Bipin Chandra Pal 🗶 4. Subhash Chandra Bose Question ID: 81616113956 Status: Answered Chosen Option: 1

| Q.4   | Which of the following civic bodies was declared as the 'Best Performing Municipal Corporation' in India in December 2020 for implementing the Pradhan Mantri Awas Yojana-Urban Mission? The annual awards were announced by the Ministry of Housing and Urban Affairs. |   |  |
|---|---|---|--|
| Ans   | ✓ 1. Greater Vishakhapatnam Municipal Corporation   |   |  |
|   | X 2. Guwahati Municipal Corporation   |   |  |
|   | X 3. Bhopal Municipal Corporation   |   |  |
|   | X 4. West Delhi Municipal Corporation   |   |  |
|   |   |   |  |
|   |   | Question ID: 81616112250                          |  |
|   |   | Status : <b>Not Answered</b> Chosen Option :      |  |
|   |   | Chosen Option                                     |  |
| Q.5 Which of the following states banned online gaming in October 2020? |   |   |  |
| Ans X 1. Gujarat  |   |   |  |
|   | X 2. Maharashtra  |   |  |
|   | 3. Andhra Pradesh   |   |  |
|   | X 4. Madhya Pradesh   |   |  |
|   |   |   |  |
|   |   | Question ID : 81616112350                         |  |
|   |   | Status : <b>Not Answered</b> Chosen Option :      |  |
|   |   |   |  |
| Q.6   | The language 'Idu Mishmi' is spoken in the state of   |   |  |
| Ans   | X 1. Punjab   |   |  |
|   | X 2. Madhya Pradesh   |   |  |
|   | 3. Arunachal Pradesh  |   |  |
|   | X 4. Kerala   |   |  |
|   |   | 0 11 15 010111010                                 |  |
|   |   | Question ID: 81616112430 Status: Not Answered     |  |
|   |   | Chosen Option :                                   |  |
|   |   |   |  |
|   | · ·   |   |  |
| Ans   | 1. Gold   |   |  |
|   | X 2. Sulphur  |   |  |
|   | X 3. Hydrogen   |   |  |
|   | X 4. Phosphorus   |   |  |
|   |   | Question ID : 81616112435                         |  |
|   |   | Status : <b>Answered</b>                          |  |
|   |   | Chosen Option : 1                                 |  |
| Q.8   | As of January 2021, who among the following was the Chairperso Board of Film Certification?   | n of the Central                                  |  |
| Ans   | X 1. Asha Parekh  |   |  |
| -   | X 2. Shekhar Kapoor   |   |  |
|   | X 3. Rekha  |   |  |
|   | 4. Prasoon Joshi  |   |  |
|   | 7.11030011303111  |   |  |
|   |   | Question ID : 81616112244                         |  |
|   |   | I .   |  |
|   |   | Status : <b>Answered</b> Chosen Option : <b>2</b> |  |

| Q.9         | Mahavira, who was known in Pali literature as Nigantha Nataputta, founded a religion called |   |
|-------------|---|---|
| Ans         |   |   |
|             | × 2. Zoroastrianism   |   |
|             | X 3. Bahá'í   |   |
|             | X 4. Sikhism  |   |
|             |   |   |
|             |   | Question ID : 81616112241 Status : Answered       |
|             |   | Chosen Option : 1                                 |
| Q.10        | was conferred the honorary rank of General of the Nepali A                                  | rmy in November                                   |
| Ans         | 2020. X 1. Karambir Singh   |   |
| Alls        | ✓ 2. MM Naravane  |   |
|             | X 3. Bipin Rawat  |   |
|             | X 4. Rakesh Kumar Singh Bhadauria   |   |
|             | Transon Kamar Singh Bhadadha  |   |
|             |   | Question ID : 81616112344                         |
|             |   | Status : <b>Answered</b> Chosen Option : <b>2</b> |
|             |   | S.1655.1. Sp.16.1. Z                              |
| Q.11<br>Ans | According to 'The Ramayana', Ratnakar was the other name of  1. Valmiki                     | <del>.</del>                                      |
|             | X 2. Durbasa  |   |
|             | X 3. Gautam   |   |
|             | X 4. Vishvamitra  |   |
|             |   |   |
|             |   | Question ID : 81616113944 Status : Answered       |
|             |   | Chosen Option : 1                                 |
|             |   |   |
| Q.12        | The story of Maynamati and Gopichandra is a part of which of the works?                     | following literary                                |
| Ans         | X 1. Chandimangal Kavya   |   |
|             | X 2. Manasamangal Kavya   |   |
|             | X 3. Sanskrit epics   |   |
|             | ✓ 4. Nath literature  |   |
|             |   | Question ID : 81616113959                         |
|             |   | Status : Not Answered                             |
|             |   | Chosen Option :                                   |
| Q.13        | What is the botanical name of mango?  |   |
| Ans         | X 1. Monoon longifolium   |   |
|             | X 2. Casuarina  |   |
|             | ✓ 3. Mangifera indica   |   |
|             | X 4. Cocos nucifera   |   |
|             |   | Outpotion ID : 94545442225                        |
|             |   | Question ID : 81616112235 Status : Not Answered   |
|             |   | Chosen Option :                                   |
|             |   |   |

| Q.14 Yerla, Warna and Dindi are tributaries of the river system. |   |   |  |
|--|---|---|--|
| Ans  | X 1. Brahmaputra  |   |  |
|  | 2. Krishna  |   |  |
|  | X 3. Godavari   |   |  |
|  | X 4. Kaveri   |   |  |
|  |   | Question ID : 81616112438                                       |  |
|  |   | Status : Not Answered   |  |
|  |   | Chosen Option :   |  |
| Q.15<br>Ans  | Name the captain of the Indian men's hockey team, as on January 2021:  X 1. SV Sunil  |   |  |
|  | ✓ 2. Manpreet Singh Pawar   |   |  |
|  | X 3. Simranjeet Singh   |   |  |
|  | X 4. Lalit Upadhyay   |   |  |
|  |   |   |  |
|  |   | Question ID : 81616112348                                       |  |
|  |   | Status : <b>Answered</b> Chosen Option : <b>2</b>               |  |
|  |   |   |  |
| Q.16   | Who among the following was the first to conclude that in vacuum a                    | all objects fall with   |  |
| Ans  | the same acceleration g and reach the ground at the same time?  1. Thomas Alva Edison |   |  |
|  | X 2. Isaac Newton   |   |  |
|  | ✓ 3. Galileo Galilei  |   |  |
|  | X 4. Albert Einstein  |   |  |
|  | 4. Albert Elitatelli  |   |  |
|  |   | Question ID : 81616112333                                       |  |
|  |   | Status : Answered   |  |
|  |   | Chosen Option : 2   |  |
| Q.17   | What was the total number of goals scored in the finals of the FIFA                   | World Cup 2018?   |  |
| Ans  | X 1. Four   |   |  |
|  | X 2. Three  |   |  |
|  | X 3. Five   |   |  |
|  | ✓ 4. Six  |   |  |
|  |   |   |  |
|  |   | Question ID: 81616113965 Status: Not Answered                   |  |
|  |   | Chosen Option :   |  |
|  |   |   |  |
|  | Who is the author of the book 'Tarikh-i Dilkusha'?                                    |   |  |
| Ans  | X 1. Panini   |   |  |
|  | 2. Bhimsen  |   |  |
|  | X 3. Sushruta   |   |  |
|  | X 4. Charaka  |   |  |
|  |   |   |  |
|  |   |   |  |
|  |   | Question ID : 81616112442 Status : Not Answered                 |  |
|  |   | Question ID : 81616112442 Status : Not Answered Chosen Option : |  |

| Q.19   | 0.19 Who among the following economists formulated the Law of Diminishing Marginal Utility (DMU)?  |  |  |  |
|--|--|--|--|--|
| Ans  | ns X 1. Adam Smith   |  |  |  |
| ✓ 2. HH Gossen   |  |  |  |  |
|  | X 3. David Ricardo   | X 3. David Ricardo   |  |  |
|  | X 4. Milton Friedman   |  |  |  |
|  |  | 0 (;   |  |  |
|  |  | Question ID : 81616112432<br>Status : Not Answered   |  |  |
|  |  | Chosen Option :  |  |  |
|  |  |  |  |  |
| Q.20 How many microns are there in a metre?  Ans 1. 1000  2. 10000 |  |  |  |  |
|  |  |  |  |  |
|  | ✓ 3. 100000  |  |  |  |
|  | × 4. 100000  |  |  |  |
|  | 4. 100000  |  |  |  |
|  |  | Question ID : 81616113948  |  |  |
|  |  | Status : Answered  |  |  |
|  |  | Chosen Option : 4  |  |  |
| Q.21   | To which neighbouring country was the Indian Peac  | ce Keeping Force (IPKF) sent in the  |  |  |
|  | year 1987?   |  |  |  |
| Ans  | X 1. Bhutan  |  |  |  |
|  | X 2. Burma   |  |  |  |
|  | X 3. Nepal   |  |  |  |
|  | ✓ 4. Sri Lanka   |  |  |  |
|  |  | Question ID : 81616112447  |  |  |
|  |  | Status : Not Answered  |  |  |
|  |  | Chosen Option :  |  |  |
| Q.22   | 22 As per Article of the Constitution of India, English is the official language for all the high courts in the country.   |  |  |  |
|  | all the high courts in the country.  | ngion is the official language for   |  |  |
| Ans  |  | ngion is the official language for   |  |  |
| Ans  | _  |  |  |  |
| Ans  | <ul><li>1. 329 (1)</li><li>2. 348 (1)</li><li>3. 336 (1)</li></ul>   |  |  |  |
| Ans  | <b>1.</b> 329 (1)  |  |  |  |
| Ans  | <ul><li>1. 329 (1)</li><li>2. 348 (1)</li><li>3. 336 (1)</li></ul>   |  |  |  |
| Ans  | <ul><li>1. 329 (1)</li><li>2. 348 (1)</li><li>3. 336 (1)</li></ul>   | Question ID : 81616112246 Status : Not Answered  |  |  |
| Ans  | <ul><li>1. 329 (1)</li><li>2. 348 (1)</li><li>3. 336 (1)</li></ul>   | Question <b>I</b> D : <b>81616112246</b>   |  |  |
|  | X 1. 329 (1) 2. 348 (1) X 3. 336 (1) X 4. 315 (1)  Which of the following does NOT figure among the  | Question ID : 81616112246 Status : Not Answered Chosen Option :  |  |  |
|  | <ul> <li>★ 1. 329 (1)</li> <li>★ 2. 348 (1)</li> <li>★ 3. 336 (1)</li> <li>★ 4. 315 (1)</li> </ul>   | Question ID : 81616112246 Status : Not Answered Chosen Option :  |  |  |
| Q.23   | <ul> <li>1. 329 (1)</li> <li>2. 348 (1)</li> <li>3. 336 (1)</li> <li>4. 315 (1)</li> </ul> Which of the following does NOT figure among the of a plant? <ul> <li>1. Supply of food to plant parts</li> </ul>   | Question ID : 81616112246 Status : Not Answered Chosen Option :  |  |  |
| Q.23   | <ul> <li>X 1. 329 (1)</li> <li>2. 348 (1)</li> <li>X 3. 336 (1)</li> <li>X 4. 315 (1)</li> </ul> Which of the following does NOT figure among the of a plant? <ul> <li>1. Supply of food to plant parts</li> <li>2. Absorption of water from the soil</li> </ul>   | Question ID : 81616112246 Status : Not Answered Chosen Option :  |  |  |
| Q.23   | <ul> <li>X 1. 329 (1)</li> <li>2. 348 (1)</li> <li>X 3. 336 (1)</li> <li>X 4. 315 (1)</li> </ul> Which of the following does NOT figure among the of a plant? <ul> <li>1. Supply of food to plant parts</li> <li>X 2. Absorption of water from the soil</li> <li>X 3. Absorption of mineral from the soil</li> </ul> | Question ID : 81616112246 Status : Not Answered Chosen Option : main functions of the root system                            |  |  |
| Q.23   | <ul> <li>X 1. 329 (1)</li> <li>2. 348 (1)</li> <li>X 3. 336 (1)</li> <li>X 4. 315 (1)</li> </ul> Which of the following does NOT figure among the of a plant? <ul> <li>1. Supply of food to plant parts</li> <li>2. Absorption of water from the soil</li> </ul>   | Question ID : 81616112246 Status : Not Answered Chosen Option : main functions of the root system                            |  |  |
| Q.23   | <ul> <li>X 1. 329 (1)</li> <li>2. 348 (1)</li> <li>X 3. 336 (1)</li> <li>X 4. 315 (1)</li> </ul> Which of the following does NOT figure among the of a plant? <ul> <li>1. Supply of food to plant parts</li> <li>X 2. Absorption of water from the soil</li> <li>X 3. Absorption of mineral from the soil</li> </ul> | Question ID : 81616112246 Status : Not Answered Chosen Option : main functions of the root system  Question ID : 81616113951 |  |  |
| Q.23   | <ul> <li>X 1. 329 (1)</li> <li>2. 348 (1)</li> <li>X 3. 336 (1)</li> <li>X 4. 315 (1)</li> </ul> Which of the following does NOT figure among the of a plant? <ul> <li>1. Supply of food to plant parts</li> <li>X 2. Absorption of water from the soil</li> <li>X 3. Absorption of mineral from the soil</li> </ul> | Question ID : 81616112246 Status : Not Answered Chosen Option : main functions of the root system                            |  |  |

| Q.24 The river Ganga divides the state of Bihar into parts.   |  |   |  |
|---|--|---|--|
| Ans   | 2. three   |   |  |
|   |  |   |  |
|   | X 3. two   |   |  |
|   | X 4. four  |   |  |
|   |  | Question ID : 81616112237                   |  |
|   |  | Status : Not Answered                       |  |
|   |  | Chosen Option :                             |  |
| Q.25  | Identify the state animal of Assam.  |   |  |
| Ans   | X 1. Ox  |   |  |
|   | 2. One-horned Rhino  |   |  |
|   | X 3. Elephant  |   |  |
|   | X 4. Snow Leopard  |   |  |
|   |  | Question ID : 81616112339                   |  |
|   |  | Status : <b>Answered</b>                    |  |
|   |  | Chosen Option : 2                           |  |
| Q.1   | The marked price of an article is ₹240. A shopkeeper sells it by allowing 18% discount of gains 23%. What is the cost price (in ₹) of the article?  1. 200  2. 180  3. 160  4. 150 | Question ID : 81616113972 Status : Answered |  |
|   |  | Chosen Option : 3                           |  |
| <ul> <li>Q.2 Each one of five men independently can complete a work in 20 days. The work is started by one person. Next day one more person joins and every next day one more person joins. From the fifth day, five persons continued working as a team. In how many days, will the work be completed?</li> <li>Ans</li> <li>1. 6</li> <li>2. 2</li> <li>3. 5</li> <li>4. 3</li> </ul> |  | 30.00 A 40.00 F V AC A 40.00                |  |
|   |  | Status : Answered Chosen Option : 1         |  |
|   |  |   |  |

Q.3 Points A and B are on a circle with centre O. PAM and PBN are tangents to the circle at A and B respectively from a point P outside the circle. Point Q is on the major arc AB such that  $\angle QAM = 58^{\circ}$  and  $\angle QBN = 50^{\circ}$ , then find the measure (in degrees) of ∠APB.

Ans

**√** 1. 36

× 2. 40

X 3. 30

X 4. 32

Question ID: 81616112469 Status: Answered

Chosen Option: 1

Q.4 Find the sum of squares of the greatest value and the smallest value of K in the number so that the number 45082K is divisible by 3.

Ans X 1. 100

√ 2. 68

X 3. 50

X 4. 64

Question ID: 81616112454 Status: Answered

Chosen Option: 2

Q.5 In triangle ABC, D is a point on BC such that BD: DC = 3: 4. E is a point on AD such that AE: ED = 2: 3. Find the ratio area (ΔECD) : area (ΔAEB) :

Ans X 1. 9 ; 8

√ 2. 2:1

X 3. 1:2

X4.8:9

Question ID: 81616112269

Status: Not Answered

Chosen Option: --

Q.6 The pie chart shows the percentage distribution of a total of 800 employees in different departments of a company.

% of Employees in Different Departments



How many employees are working in the field of marketing?

Ans 🗳 1. 176

X 2. 200

X 3. 240

X 4. 120

Question ID: 81616113385

Status: Answered

If  $4x^4 = 5x^2 - 1$ ,  $x > \frac{1}{\sqrt{2}}$ , then what is the value of  $(2x^2 - x - 1)$ ?

Ans X 1. 1

X 2. -2

√ 3. 0

X 4. 2

Question ID: 81616112467 Status: Not Answered

Chosen Option: --

Q.8 In triangle ABC, P and Q are the mid points of AB and AC, respectively. R is a point on PQ such that PR: RQ = 3:5 and QR = 20 cm, then what is the length (in cm) of BC?

Ans X 1. 66,66

X 2. 24

**⊘** 3. 64

X 4. 40

Question ID: 81616112369

Status: Answered

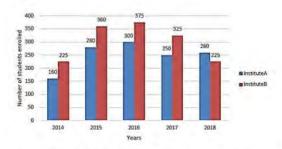
Chosen Option: 3

The cost price and the marked price of an item are 720 and 900 respectively. When it is sold at a discount of x%, the profit is  $\frac{5x}{3}$ %. What is the value of x?

Question ID: 81616112358

Status: Answered

Q.10 Bar graph shows the number of students enrolled for a vocational course in institutes A and B during 5 years from 2014 to 2018.



The total number of students enrolled in institute B during 2014, 2016 and 2018 is what percent of the total number of students enrolled in institute A during the five Years?

Ans

√ 1 66%

X 2. 49%

X 3. 57%

X 4. 75%

Question ID: 81616113387

Status: Answered

Chosen Option: 1

Q.11 The following Pie charts represent the distribution of candidates who were enrolled for competitive examination and the candidates (out of those enrolled) who passed the exam from five different institutes P, Q, R, S and T.

Fig.(i) Total number of candidates enrolled in five different institutes = 7500



Fig.(ii) Total number of candidates passed the examination from five Institutes = 4000



What is the pass percentage for institute Q? (correct upto one decimal place.)

Ans X 1. 71.1%

√ 2. 42.7%

X 3. 48%

X 4. 80°0

Question ID: 81616113084

Status: Answered

| $\times$ 1. $4\frac{1}{2}$                   |                           |
|--|---------------------------|
| <b>√</b> 2. <b>4</b>                         |                           |
| <b>X</b> 3. <b>3</b>                         |                           |
| <ul> <li>X 3. 3</li> <li>X 4. 2 ½</li> </ul> |                           |
|  | Question ID : 81616113978 |
|  | Status : Not Answered     |
|  | Chosen Option :           |

Question ID : 81616113975 Status : Answered

Question ID : 81616112458 Status : Answered

Question ID : 81616113981 Status : Not Answered

Chosen Option: 3

Chosen Option: --

Chosen Option: 2

Q.12 The ratio of present ages of A and B is 7:8. After 6 years from now, the ratio of their ages will be 8:9. If C's present

Q.13 A sports-goods shop has tennis balls of 3 colors - red, green and white. The number of white balls is 60% more than number of red balls and the number of green balls is 12.5% less than number of white balls. If total number of balls is

Q.14 If  $x^2 + 9y^2 + 4z^2 = 12(x - 2y + 2z) - 88$ , then the value of (x - 3y + z) is:

Q.15 A man can row a distance of 8 km downstream in a certain time and can row 6 km upstream in the same time. If he rows

age is 10 years more than the present age of A, then the present age (in years) of C is:

Ans X 1. 45

Ans X 1. 48

Ans 🔀 1. 11

2. 133. 104. 5

X 2. 40✓ 3. 42X 4. 30

2. 523. 594. 56

120, then how many green balls are there?

Q.16

If  $7\cos^2\theta + 5\sin^2\theta - 6 = 0$ ,  $(0^0 < \theta < 90^\circ)$ , then what is the value of  $\sqrt{\frac{\cos ec\theta + \tan\theta}{\sec\theta - \cot\theta}}$ 

Ans

- $\sqrt{1} \cdot \sqrt{2} + 1$
- $\times$  2.  $\sqrt{2}-1$
- $\times$  3.  $\sqrt{3} + 1$
- $\times$  4.  $\sqrt{3}-1$

Question ID: 81616113382 Status: Not Answered

Chosen Option: --

Q.17 In a circle, a ten cm long chord is at a distance of 12 cm from the centre of the circle. Length of the diameter of the circle (in cm) is:

- Ans X 1. 20
  - X 2. 22
  - √ 3. 26
  - X 4. 13

Question ID: 81616112266

Status: Answered

Chosen Option: 3

Q.18 What is the area of the square  $(in cm^2)$  whose vertices lie on a circle of radius 5 cm?

- Ans X 1. 80
  - √ 2. 50
  - X 3. 100
  - X 4. 75

Question ID: 81616112262

Status: Answered

Chosen Option: 2

Q.19 The average score of 40 students in a class test is 45. Later on, it was found that at two places 25 was read as 35 and at one place 38 was read as 32. What is the actual average score of the class?

- Ans X 1. 43.80
  - X 2. 39,69
  - X 3. 45.35
  - 4. 44.65

Question ID: 81616112254

Status: Answered

Q.20 Simplify the following expression.

$$\left(\frac{7}{16} \div \frac{1}{2} \text{ of } \frac{1}{5}\right) \times \frac{4}{5} - \frac{1}{3} \times \frac{5}{8} \div \frac{1}{2} + \frac{3}{4}$$

$$\checkmark$$
 1.  $\frac{23}{6}$ 

$$\times$$
 2.  $\frac{10}{3}$ 

$$\times$$
 3.  $\frac{317}{96}$ 

$$\times$$
 4.  $\frac{71}{150}$ 

Question ID: 81616112354

Status : Answered Chosen Option: 1

If  $4\sin^2(2x-10)^\circ = 3$ ,  $0 \le (2x-10) \le 90$ , then find the value of  $\frac{\sin^4(x-5)^\circ + \cos^4(x-5)^\circ}{1-2\sin^2(3x-15)^\circ \cos^2(3x-15)^\circ}$ .

Ans

$$\times$$
 4.  $-\frac{5}{8}$ 

Question ID: 81616112472

Status: Not Answered

Chosen Option: --

Q.22 Simplify the following expression:

108×108×108-92×92×92

108×108+92×92+108×92

Ans √ 1. 16

Question ID: 81616112364

Status: Answered

Chosen Option: 1

Q.23 The value of  $\frac{\sqrt{2}\tan(60^{\circ} - \theta)\tan(30^{\circ} + \theta)}{\sin^2(45^{\circ} + \theta) + \sin^2(45^{\circ} - \theta)}$  is:

Ans 
$$\sqrt{2}$$

$$\times$$
 4.  $\frac{1}{\sqrt{2}}$ 

Question ID: 81616112271 Status: Answered

Q.24 A man borrowed a certain sum and agrees to repay it by paying ₹4000 at the end of first year and ₹7700 at the end of second year. If the rate of compound interest compounded annually is 10% per annum, then find the sum (in ₹) borrowed.

Ans X 1. 11000

√ 2. 10000

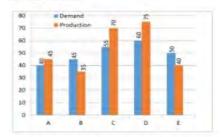
X 3. 9000

X 4. 11500

Question ID: 81616112461 Status: Not Answered

Chosen Option: --

Q.25 The following bar graph shows the demand and production (in Lakhs) of motor cycles of five different companies A, B, C, D and E in 2020.



What is the ratio of total production of motor cycles of companies A, B, C, D and E, to that of the total demand of motor cycles of all the companies during the five years?

Ans

√ 1. 52%

X 2. 30%

X 3. 45%

X 4. 65%

Question ID: 81616113082 Status: Not Answered

Chosen Option: --

Section: English Comprehension

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

No one are supposed to react to her prejudiced comments.

Ans

- 1. No one is supposed to react
- X 2. No substitution
- X 3. No one has supposed to react
- X 4. No one had supposed to react

Question ID: 81616112282

Status: Answered

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The teacher asked the students for fill the form before entering the classroom. 1. the students to fill the form Ans X 2. No substitution X 3. the students for filled the form X 4. the students to filled the form Question ID: 81616112483 Status : Answered Chosen Option: 1 Q.3 Select the most appropriate ANTONYM of the given word. Dividing Ans X 1. Detaching X 2. Breaking X 3. Parting 4. Connecting Question ID: 81616112394 Status: Answered Chosen Option: 4 Q.4 Select the most appropriate ANTONYM of the given word. Segregate Ans X 1. Correlate X 2. Allude 3. Integrate X 4. Implicate Question ID: 81616114011 Status: Answered Chosen Option: 3 Q.5 Select the most appropriate synonym of the given word. Grumble Ans X 1. Call X 2. Ring 💢 3. Grin / 4. Groan Question ID: 81616112292 Status: Answered Chosen Option: 4

| Q.6 | Select the most appropriate option to fill in the blank.   |  |
|-----|--|--|
|     | yourself with the new perfume.   |  |
| Ans | √ 1. Pamper  |  |
|     | × 2. Purify  |  |
|     | X 3. Percolate   |  |
|     | X 4. Prosper   |  |
|     |  |  |
|     |  | Question ID: 81616112503                                     |
|     |  | Status : <b>Answered</b><br>Chosen Option : <b>4</b>         |
|     |  | Chosen Option . 4  |
| Q.7 | Select the most appropriate meaning of the following idiom.  |  |
|     | Wild goose chase   |  |
| Ans | X 1. A safari to spot rare animals   |  |
|     | X 2. A long search for hidden prey   |  |
|     | 3. A worthless hunt or chase   |  |
|     | X 4. Going to watch uncommon birds   |  |
|     |  |  |
|     |  | Question ID: 81616114013                                     |
|     |  | Status : Answered  |
|     |  | Chosen Option : 3  |
| Q.8 | The following sentence has been divided into parts. One of them conselect the part that contains the error from the given options. | ntains an error.   |
|     | He win / several accolades / for his / music compositions.   |  |
| Ans | X 1. several accolades   |  |
|     | X 2. for his   |  |
|     | ✓ 3. He win  |  |
|     | X 4. music compositions  |  |
|     |  | O  |
|     |  | Question ID : <b>81616112480</b><br>Status : <b>Answered</b> |
|     |  | Chosen Option: 3   |
|     |  |  |
| Q.9 | Select the option that expresses the given sentence in indirect spee   | ch.  |
|     | "I will work hard to get the first rank in class," said Rohan.   |  |
| Ans | 1. Rohan said that he would work hard to get the first rank in class.  |  |
|     | 2. Rohan said that he could work hard to get the first rank in class.  |  |
|     | X 3. Rohan said that he ought to work hard to get the first rank in class  | S.   |
|     | X 4. Rohan said that he should work hard to get the first rank in class.   |  |
|     | 1  | Ougs#5-17 ID - 04040440000                                   |
|     |  | Question ID : 81616112280<br>Status : Answered               |
|     |  | Chosen Option: 4   |
|     |  | ·  |
|     |  |  |
|     |  |  |
|     |  |  |

Q.10 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. When she went for a walk / Maya couldn't take off her scarf / because it was / too much windy. X 1. When she went for a walk Ans X 2. Maya couldn't take off her scarf X 3. because it was 4. too much windy Question ID: 81616113994 Status: Answered Chosen Option: 4 Q.11 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. In some cases, the problem of the lowering of the river bottom has caused the water table of the surrounding area to drop, which has adversely affected agriculture. B. Also, another problem, canalization with its extensive system of locks and navigation dams, often seriously disrupts riverine ecosystems. C. The ever-increasing exploitation of rivers has given rise to a variety of problems. D. Further, extensive commercial navigation of rivers has resulted in much artificial improvement of natural channels, including increasing the depth of the channels to permit passage of larger vessels. X 1, CDAB X 2. DCAB 3. CABD X 4. BDAC Question ID: 81616114007 Status: Answered Chosen Option: 1 Q.12 Select the most appropriate option to fill in the blank. A major advertising \_\_\_\_\_ was planned to launch the new brand of garments. X 1. election Ans X 2. pension 🧪 3. campaign X 4. ambush Question ID: 81616112302 Status: Answered Chosen Option: 3 Q.13 Select the option that expresses the given sentence in passive voice. Who wrote the Ramayana? Ans 1. By who was the Ramayana written? 2. By whom was that who wrote the Ramayana? 3. By whom was the Ramayana written? 4. Who was that who wrote the Ramayana? Question ID: 81616112481 Status: Answered Chosen Option: 3

Q.14 Select the option that can be used as a one-word substitute for the given group of A news article that reports the recent death of a person Ans X 1. Mortuary X 2. Review X 3. Editorial 4. Obituary Question ID: 81616112500 Status: Answered Chosen Option: 4 Q.15 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. He was caught by the police on the spot. B. Anil bought a car last week. C. Unfortunately, the car met with an accident today. D. The accident took place due to the carelessness of his driver. Ans X 1. ABDC 2. BCDA X 3. CDBA X 4. BACD Question ID: 81616112390 Status: Answered Chosen Option: 2 Q.16 Select the INCORRECTLY spelt word. Ans X 1. Comedian 2. Camoflage X 3. Custard X 4. Caravan Question ID: 81616112401 Status: Answered Chosen Option : 2 Q.17 Select the INCORRECTLY spelt word. X 1. Astound X 2. Amount X 3. Advice 4. Adress Question ID: 81616112400 Status: Answered Chosen Option: 4

|             | Pat on the back   |  |
|-------------|---|--|
| lns         | ★ 1. Mild form of disapproval or blame  |  |
|             | 2. Praise or approval for doing something good  |  |
|             | X 3. Good massage for aches and pains   |  |
|             | X 4. Friendly tap to push someone   |  |
|             | 19.5  |  |
|             |   | Question ID: 81616114012   |
|             |   | Status : Answered  |
|             |   | Chosen Option : 2  |
| 2.19        | Select the most appropriate synonym of the given word.  |  |
|             | Wander  |  |
| Ans         |   |  |
|             | ✓ 2. Roam   |  |
|             | X 3. Think  |  |
|             | × 4. Sing   |  |
|             |   |  |
|             |   | Question ID: 81616112291   |
|             |   | Status : Answered  |
|             |   | Chosen Option : 2  |
|             | Select the option that can be used as a one-word substitute for the given group of  |  |
| 2.20        | Select the option that can be used as a one-word substitute for the   | given group of   |
| ე.20        | Select the option that can be used as a one-word substitute for the words.  | given group of   |
| Q.20        | words.  Soft, inner part of a nut or fruit-stone  | given group of   |
| Q.20<br>Ans | words.  Soft, inner part of a nut or fruit-stone  | given group of   |
|             | words.  Soft, inner part of a nut or fruit-stone  | given group of   |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean   | given group of   |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean  2. Pulp  | given group of   |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean  2. Pulp  3. Kernel   |  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean  2. Pulp  3. Kernel   | Question ID: 81616112499   |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean  2. Pulp  3. Kernel   | Question ID : 81616112499 Status : Not Answered  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean  2. Pulp  3. Kernel   | Question ID: 81616112499   |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean  2. Pulp  3. Kernel   | Question ID : 81616112499 Status : Not Answered  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar   | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.   | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.   | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar   | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
|             | words.  Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension:  In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.  Ben committed (1) crime when he (2) a bank. Someone and told the police. The police charged him (4) the crime and put   | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
| Ans         | words.  Soft, inner part of a nut or fruit-stone  | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
| Ans         | Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.  Ben committed (1) crime when he (2) a bank. Someone and told the police. The police charged him (4) the crime and put They also accused his twin brother, Bill, of being his (5)  SubQuestion No: 21  Select the most appropriate option to fill in blank number 1.                      | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
| Ans         | words.  Soft, inner part of a nut or fruit-stone  | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
| Ans         | Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.  Ben committed (1) crime when he (2) a bank. Someone and told the police. The police charged him (4) the crime and put They also accused his twin brother, Bill, of being his (5)  SubQuestion No: 21  Select the most appropriate option to fill in blank number 1.                      | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
| Ans         | Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.  Ben committed (1) crime when he (2) a bank. Someone and told the police. The police charged him (4) the crime and put They also accused his twin brother, Bill, of being his (5)  SubQuestion No: 21  Select the most appropriate option to fill in blank number 1.  1. an 2. many       | Question ID : 81616112499 Status : Not Answered Chosen Option :  |
| Ans         | Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.  Ben committed (1) crime when he (2) a bank. Someone and told the police. The police charged him (4) the crime and pure they also accused his twin brother, Bill, of being his (5)  SubQuestion No: 21  Select the most appropriate option to fill in blank number 1.  1. an 2. many 3. a | Question ID: 81616112499 Status: Not Answered Chosen Option:  nks with the help of the  (3) the crime t him behind bars. |
| Ans         | Soft, inner part of a nut or fruit-stone  1. Bean 2. Pulp 3. Kernel 4. Caramel  Comprehension: In the following passage, some words have been deleted. Fill in the blar alternatives given. Select the most appropriate option for each number.  Ben committed (1) crime when he (2) a bank. Someone and told the police. The police charged him (4) the crime and pure they also accused his twin brother, Bill, of being his (5)  SubQuestion No: 21  Select the most appropriate option to fill in blank number 1.  1. an 2. many 3. a | Question ID : 81616112499 Status : Not Answered Chosen Option :  |

|      | Comprehension:  |   |  |
|------|---|---|--|
|      | In the following passage, some words have been deleted. Fill in the blank alternatives given. Select the most appropriate option for each number.   | s with the help of the                            |  |
|      | Ben committed (1) crime when he (2) a bank. Someone (3) the crime and told the police. The police charged him (4) the crime and put him behind bars. They also accused his twin brother, Bill, of being his (5) |   |  |
|      | SubQuestion No : 22   |   |  |
| Q.22 | Select the most appropriate option to fill in blank number 2.   |   |  |
| Ans  | ✓ 1. robbed   |   |  |
|      | × 2. entered  |   |  |
|      | X 3. liked  |   |  |
|      | X 4. noticed  |   |  |
|      |   | Question ID : 81616112386                         |  |
|      |   | Status : Answered                                 |  |
|      |   | Chosen Option : 1                                 |  |
|      | Comprehension:  |   |  |
|      | In the following passage, some words have been deleted. Fill in the blank   | s with the help of the                            |  |
|      | alternatives given. Select the most appropriate option for each number.   | o man and help of and                             |  |
|      | Ben committed (1) crime when he (2) a bank. Someone (3  | ) the crime                                       |  |
|      | and told the police. The police charged him (4) the crime and put I They also accused his twin brother, Bill, of being his (5)  | im behind bars.                                   |  |
|      | SubQuestion No : 23   |   |  |
| Q.23 | Select the most appropriate option to fill in blank number 3.   |   |  |
| Ans  | X 1. signed   |   |  |
|      | 2. witnessed  |   |  |
|      | X 3. spoke  |   |  |
|      | X 4. moved  |   |  |
|      |   |   |  |
|      |   | Question ID : 81616112387                         |  |
|      |   | Status : <b>Answered</b> Chosen Option : <b>2</b> |  |
|      |   | Chosen Option . 2                                 |  |
|      | Comprehension:  |   |  |
|      | In the following passage, some words have been deleted. Fill in the blank alternatives given. Select the most appropriate option for each number.   | s with the help of the                            |  |
|      | Ben committed (1) crime when he (2) a bank. Someone (3  |   |  |
|      | and told the police. The police charged him (4) the crime and put I They also accused his twin brother, Bill, of being his (5)  | nim behind bars.                                  |  |
|      | SubQuestion No : 24   |   |  |
| Q.24 | Select the most appropriate option to fill in blank number 4.   |   |  |
| Ans  | 1. in   |   |  |
|      | 2. with   |   |  |
|      | <b>X</b> 3. of  |   |  |
|      | <b>X</b> 4. on  |   |  |
|      |   |   |  |
|      |   | Question ID: 81616112388                          |  |
|      |   | Status : <b>Answered</b> Chosen Option : <b>3</b> |  |
|      |   |   |  |

| Comprehension:  |  |
|---|--|
| In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.     |  |
| Ben committed (1) crime when he (2) a bank. Someor and told the police. The police charged him (4) the crime and They also accused his twin brother, Bill, of being his (5) | ne (3) the crime<br>put him behind bars. |
| SubQuestion No : 25   |  |
| Q.25 Select the most appropriate option to fill in blank number 5.  |  |
| Ans v 1. accomplice   |  |
| × 2. colleague  |  |
| X 3. adventurer   |  |
| X 4. admirer  |  |
|   | Question ID : 81616112389                |
|   | Status : <b>Answered</b>                 |
|   | Chosen Option : 1                        |