

Combined Graduate Level Examination-2019 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	Arya College of Engineering and Information Technology
Exam Date	09/03/2020
Exam Time	4:00 PM - 5:00 PM
Subject	CGLE Tier I

Section : General Intelligence and Reasoning

Q.1 'Family' is related to 'Upbringing' in the same way as 'School' is related to '_____'.
 Ans  1. Curriculum
 2. Education
 3. Parents
 4. Children

Question ID : **8161611048**
 Status : **Answered**
 Chosen Option : **2**

Q.2 Select the correct mirror image of the given alphanumeric-cluster when a mirror is placed on the right side of the cluster.

5 G 7 N P Q 4

Ans  1. 4 Q P N 7 G 5
 2. 4 Q P N 7 G 5
 3. 5 G 7 N P Q 4
 4. 4 Q P N 7 G 5

Question ID : **8161611066**
 Status : **Answered**
 Chosen Option : **2**

Q.3 What day of the week was 5 February 2008?

Ans  1. Monday
 2. Tuesday
 3. Wednesday
 4. Thursday

Question ID : **8161611061**
 Status : **Answered**
 Chosen Option : **2**

Q.4 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

- Ans**
- ☒ 1. 28 : 56
 - ☐ 2. 76 : 42
 - ☐ 3. 44 : 16
 - ☐ 4. 55 : 25

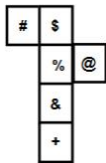
Question ID : **8161611057**
 Status : **Answered**
 Chosen Option : 1

Q.5 Pointing to the photograph of a girl Akanksha, Rajeev said, "Her daughter's father's wife's mother is my wife's daughter's mother's mother-in-law". How is Rajeev related to Akanksha?

- Ans**
- ☐ 1. Paternal uncle
 - ☐ 2. Maternal uncle
 - ☒ 3. Brother
 - ☐ 4. Father

Question ID : **8161611053**
 Status : **Not Answered**
 Chosen Option : --

Q.6 A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of symbols will be on opposite sides?



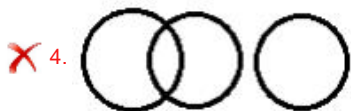
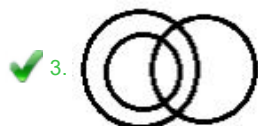
- Ans**
- ☐ 1. @ and %
 - ☐ 2. & and %
 - ☒ 3. # and @
 - ☐ 4. \$ and +

Question ID : **8161611064**
 Status : **Answered**
 Chosen Option : 3

Q.7 Which of the following Venn diagrams best represents the relationship between the following classes?

Utensils, Spoons, Steel items

Ans



Question ID : 8161611068

Status : Answered

Chosen Option : 3

Q.8 Arrange the following words in a logical and meaningful order.

1. Nose
2. Forehead
3. Chin
4. Waist
5. Chest

Ans

✓ 1. 2, 1, 3, 5, 4

✗ 2. 2, 4, 1, 5, 3

✗ 3. 3, 2, 4, 2, 1

✗ 4. 2, 3, 1, 4, 5

Question ID : 8161611045

Status : Answered

Chosen Option : 1

Q.9 Select the option in which the given figure X is embedded (rotation is not allowed).



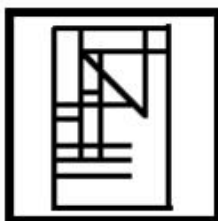
Figure X

Ans

☒ 1.



☒ 2.



☒ 3.



☒ 4.



Question ID : 8161611065

Status : Answered

Chosen Option : 4

Q.10 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans

☒ 1. DPG

☒ 2. CIF

☒ 3. EYH

☒ 4. BFF

Question ID : 8161611046

Status : Answered

Chosen Option : 4

Q.11 Select the option in which the words share the same relationship as that shared by the given pair of words.

Arteries : Circulatory System

- Ans**
- ☒ 1. Nerves : Nervous System
 - ☐ 2. Kidney : Respiratory System
 - ☐ 3. Eyes : Endocrine System
 - ☐ 4. Lungs : Olfactory system

Question ID : **8161611049**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the letter-cluster that can replace the question mark (?) in the following series.

PROGRESS, QTOGRESS, QTRKRESS, ? , QTRKWKZA

- Ans**
- ☐ 1. QTRKVMSS
 - ☐ 2. PRRKWKSS
 - ☒ 3. QTRKWKSS
 - ☐ 4. QTRKWKTY

Question ID : **8161611052**
Status : **Answered**
Chosen Option : **3**

Q.13 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

- Ans**
- ☐ 1. Asia
 - ☐ 2. Africa
 - ☐ 3. Europe
 - ☒ 4. Russia

Question ID : **8161611047**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the number that can replace the question mark (?) in the following series

45, 63, 101, 160, 241, ?

- Ans**
- ☐ 1. 305
 - ☐ 2. 319
 - ☐ 3. 368
 - ☒ 4. 345

Question ID : **8161611055**
Status : **Answered**
Chosen Option : **4**

Q.15 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(s) follow from the statements.

Statements:

1. Some bottles are glasses.
2. Some glasses are bowls.

Conclusions:

- I. Some bowls are bottles.
- II. Some glasses are bottles.
- III. No bowl is a bottle.

Ans

- ☒ 1. Only conclusions II and III follow.
- ☒ 2. All conclusions I, II and III follow.
- ☒ 3. Either conclusion II or III follows.
- ☒ 4. Only conclusion II and either conclusion I or III follow.

Question ID : 8161611054

Status : **Marked For Review**

Chosen Option : 2

Q.16 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

11	13	17
33	35	39
189	191	?

Ans

- ☒ 1. 199
- ☒ 2. 217
- ☒ 3. 195
- ☒ 4. 203

Question ID : 8161611059

Status : **Answered**

Chosen Option : 3

Q.17 Select the option in which the numbers are related in the same way as are the numbers in the given set.
(14, 17, 961)

Ans

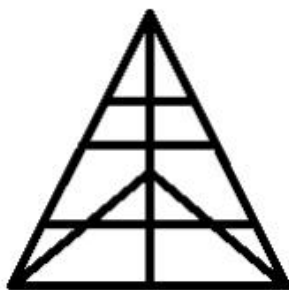
- ☒ 1. (11, 12, 729)
- ☒ 2. (12, 18, 851)
- ☒ 3. (15, 14, 743)
- ☒ 4. (13, 19, 1024)

Question ID : 8161611058

Status : **Answered**

Chosen Option : 4

Q.18 How many triangles are there in the given figure?



- Ans
- ☒ 1. 24
 - ☒ 2. 23
 - ☒ 3. 20
 - ☒ 4. 22

Question ID : 8161611063
 Status : **Marked For Review**
 Chosen Option : 3

Q.19 Select the option that is related to the third number in the same way as the second number is related to the first number.

23 : 527 :: 19 : ?

- Ans
- ☒ 1. 363
 - ☒ 2. 359
 - ☒ 3. 325
 - ☒ 4. 402

Question ID : 8161611056
 Status : **Answered**
 Chosen Option : 2

Q.20 If 'A' stands for 'subtraction', 'B' stands for 'multiplication', 'C' stands for 'addition', and D stands for 'division', then what is the value of the following expression?

43 C 29 B 3 A 14 B (5 C 4) C 11 C (14 A 3) A 64 D 8 B 2

- Ans
- ☒ 1. 10
 - ☒ 2. 27
 - ☒ 3. 110
 - ☒ 4. 83

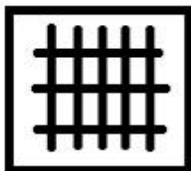
Question ID : 8161611060
 Status : **Answered**
 Chosen Option : 1

Q.21 Select the figure that can replace the question mark (?) in the following series.



Ans

✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 8161611062

Status : Answered

Chosen Option : 4

Q.22 In a certain code language, 'FOX' is coded as '108' and 'SOUP' is coded as '148'. How will 'UPSIDE' be coded as in that language?

Ans

✗ 1. 494

✗ 2. 385

✗ 3. 590

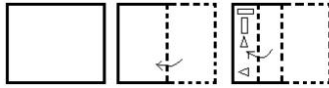
✓ 4. 528

Question ID : 8161611051

Status : Not Answered

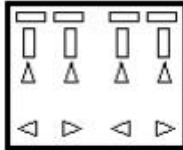
Chosen Option : --

Q.23 A piece of paper is folded and cut as shown below in the question figures. Select from the given answer figures, how it will appear when unfolded.

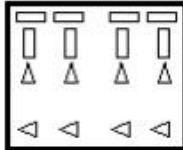


Ans

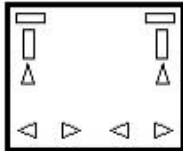
✓ 1.



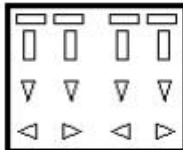
✗ 2.



✗ 3.



✗ 4.



Question ID : 8161611067

Status : Answered

Chosen Option : 1

Q.24 Select the letter that can replace the question mark (?) in the following series.

C, E, H, J, M, O, R, ?

Ans

✗ 1. W

✓ 2. T

✗ 3. S

✗ 4. D

Question ID : 8161611044

Status : Answered

Chosen Option : 2

Q.25 In a certain code language, 'TAPE' is written as 'SUZBOQDF'. How will 'MOCK' be written as in that language?

- Ans
- ☒ 1. KNNPBEBL
 - ☒ 2. MOPQDELM
 - ☒ 3. LNNPBDJL
 - ☒ 4. LOPQBCKL

Question ID : **8161611050**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 The Mission Indradhanush, an initiative of Govt. of India, is associated with:

- Ans
- ☒ 1. digitalisation
 - ☒ 2. immunisation
 - ☒ 3. highway development
 - ☒ 4. cleanliness

Question ID : **8161611092**
Status : **Answered**
Chosen Option : **2**

Q.2 The amalgamation of Vijaya Bank and Dena Bank with Bank of Baroda (BoB) came into effect from:

- Ans
- ☒ 1. 1 April 2019
 - ☒ 2. 1 January 2019
 - ☒ 3. 1 June 2019
 - ☒ 4. 1 April 2018

Question ID : **8161611071**
Status : **Answered**
Chosen Option : **1**

Q.3 Which of the following was NOT a type of sacrifice performed by kings in ancient India to establish their position?

- Ans
- ☒ 1. Rajasuya
 - ☒ 2. Ashvamedha
 - ☒ 3. Muvendavelan
 - ☒ 4. Vajapeya

Question ID : **8161611083**
Status : **Not Answered**
Chosen Option : **--**

Q.4 _____ was awarded the Nobel Prize in 1913 and a knighthood in 1915.

- Ans
- ☒ 1. Mahatma Gandhi
 - ☒ 2. Mother Teresa
 - ☒ 3. Rabindranath Tagore
 - ☒ 4. Sarojini Naidu

Question ID : **8161611086**
Status : **Answered**
Chosen Option : **3**

Q.5 Which of the following monuments bears a similarity to the French war memorial, the Arc-de-Triomphe?

- Ans
- ☒ 1. Victoria Memorial
 - ☒ 2. Charminar
 - ☒ 3. Gateway of India
 - ☒ 4. India Gate

Question ID : **8161611081**
Status : **Marked For Review**
Chosen Option : **4**

Q.6 The Kyaik Htee Yoe pagoda is located in:

- Ans
- ☒ 1. Sri Lanka
 - ☒ 2. Nepal
 - ☒ 3. Bhutan
 - ☒ 4. Myanmar

Question ID : **8161611080**
Status : **Answered**
Chosen Option : **4**

Q.7 In January 2020, China tested the world's first high-speed driverless bullet train between Beijing and:

- Ans
- ☒ 1. Zhangjiakou
 - ☒ 2. Lhasa
 - ☒ 3. Shanghai
 - ☒ 4. Haikou

Question ID : **8161611093**
Status : **Answered**
Chosen Option : **1**

Q.8 Kandhamal Haldi, a variety of turmeric indigenous to _____, earned the Geographical Indication (GI) tag from Intellectual Property (India) in April, 2019.

- Ans**
- ☒ 1. Nagaland
 - ☒ 2. Assam
 - ☒ 3. Odisha
 - ☒ 4. Meghalaya

Question ID : **8161611070**
Status : **Answered**
Chosen Option : **3**

Q.9 Haemophobia is the fear of:

- Ans**
- ☒ 1. blood
 - ☒ 2. heights
 - ☒ 3. water
 - ☒ 4. darkness

Question ID : **8161611073**
Status : **Answered**
Chosen Option : **1**

Q.10 _____ was appointed Chief Justice of India with effect from 18 November 2019.

- Ans**
- ☒ 1. Ashok Bhushan
 - ☒ 2. Dipak Misra
 - ☒ 3. Ranjan Gogoi
 - ☒ 4. Sharad Arvind Bobde

Question ID : **8161611091**
Status : **Answered**
Chosen Option : **4**

Q.11 Crocodiles have a _____ chambered heart.

- Ans**
- ☒ 1. four
 - ☒ 2. three
 - ☒ 3. single
 - ☒ 4. two

Question ID : **8161611074**
Status : **Marked For Review**
Chosen Option : **1**

Q.12 As of January 2020, _____ has the maximum number of seats in the Rajya Sabha.

- Ans
- ☒ 1. Tamil Nadu
 - ☒ 2. Uttar Pradesh
 - ☒ 3. Karnataka
 - ☒ 4. Maharashtra

Question ID : **8161611088**
Status : **Answered**
Chosen Option : **2**

Q.13 Which of the following is the only correct pair as described by Chola inscriptions?

- Ans
- ☒ 1. Pallichchhandam – land donated to Jaina institutions
 - ☒ 2. Shalabhoga – land gifted to Brahmanas
 - ☒ 3. Vellanvagai – land of Brahmana peasant proprietors
 - ☒ 4. Brahmadeya – land gifted to temples

Question ID : **8161611082**
Status : **Marked For Review**
Chosen Option : **1**

Q.14 Which of the following is an inert gas most commonly found in light bulbs?

- Ans
- ☒ 1. Hydrogen
 - ☒ 2. Argon
 - ☒ 3. Oxygen
 - ☒ 4. Radon

Question ID : **8161611076**
Status : **Answered**
Chosen Option : **2**

Q.15 Snails belong to Phylum:

- Ans
- ☒ 1. Arthropoda
 - ☒ 2. Echinodermata
 - ☒ 3. Chordata
 - ☒ 4. Mollusca

Question ID : **8161611075**
Status : **Answered**
Chosen Option : **4**

Q.16 The Government of India launched the _____ Initiative on 16 January 2016, with the objective of supporting entrepreneurs, building a robust start-up ecosystem and transforming India into a country of job creators instead of job seekers.

- Ans
- ☒ 1. Digital India
 - ☒ 2. Skill India
 - ☒ 3. Empower India
 - ☒ 4. Start-up India

Question ID : **8161611072**
Status : **Answered**
Chosen Option : **4**

Q.17 Christiaan Barnard is famous for:

- Ans
- ☒ 1. delivering the world's first test-tube baby
 - ☒ 2. cloning the first mammal ever
 - ☒ 3. performing the world's first human heart transplant
 - ☒ 4. first publishing tables of logarithms

Question ID : **8161611077**
Status : **Not Answered**
Chosen Option : --

Q.18 Which of the following books is NOT authored by RK Narayan?

- Ans
- ☒ 1. Malgudi Days
 - ☒ 2. The Jungle Book
 - ☒ 3. Swami and Friends
 - ☒ 4. The Guide

Question ID : **8161611085**
Status : **Answered**
Chosen Option : **2**

Q.19 _____ was the first host country of the FIFA (Federation Internationale de Football Association) World Cup.

- Ans
- ☒ 1. Italy
 - ☒ 2. Brazil
 - ☒ 3. France
 - ☒ 4. Uruguay

Question ID : **8161611089**
Status : **Marked For Review**
Chosen Option : **2**

Q.20 Which of the following is a beach in Goa?

- Ans
- ☒ 1. Kudle
 - ☐ 2. Palolem
 - ☐ 3. Marina
 - ☐ 4. Varkala

Question ID : **8161611078**
Status : **Answered**
Chosen Option : **2**

Q.21 The first Wimbledon Championship was held in:

- Ans
- ☐ 1. 1877
 - ☒ 2. 1884
 - ☐ 3. 1896
 - ☐ 4. 1863

Question ID : **8161611090**
Status : **Not Answered**
Chosen Option : --

Q.22 Name the state capital located 530 metres above sea level between 93 East longitude and 27 North latitude.

- Ans
- ☐ 1. Dispur
 - ☐ 2. Patna
 - ☐ 3. Hyderabad
 - ☒ 4. Itanagar

Question ID : **8161611079**
Status : **Answered**
Chosen Option : **4**

Q.23 The spice, cinnamon, is native to:

- Ans
- ☐ 1. Bhutan
 - ☐ 2. Malaysia
 - ☒ 3. Sri Lanka
 - ☐ 4. Afghanistan

Question ID : **8161611069**
Status : **Answered**
Chosen Option : **3**

Q.24 _____ was executed at Lahore in November 1915 for his role in the Ghadar Conspiracy in February 1915.

- Ans
- ☒ 1. Kartar Singh Sarabha
 - ☐ 2. Tantia Mama
 - ☐ 3. Maganbhai Patel
 - ☐ 4. Vijay Singh Pathik

Question ID : 8161611084
 Status : Not Answered
 Chosen Option : --

Q.25 Article _____ of the Constitution of India deals with provisions related to the administration and control of Scheduled Areas and Scheduled Tribes.

- Ans
- ☐ 1. 222(1)
 - ☐ 2. 222(2)
 - ☐ 3. 244(2)
 - ☒ 4. 244(1)

Question ID : 8161611087
 Status : Marked For Review
 Chosen Option : 1

Section : Quantitative Aptitude

Q.1 From an external point P, a tangent PQ is drawn to a circle, with the centre O, touching the circle at Q. If the distance of P from the centre is 13 cm and length of the tangent PQ is 12 cm, then the radius of the circle is:

- Ans
- ☒ 1. 5 cm
 - ☐ 2. 3 cm
 - ☐ 3. 10 cm
 - ☐ 4. 12.5 cm

Question ID : 8161611108
 Status : Answered
 Chosen Option : 1

Q.2 The value of $(\operatorname{cosec} 30^\circ - \tan 45^\circ) \cot 60^\circ \tan 30^\circ$ is:

- Ans
- ☐ 1. 3
 - ☐ 2. $(2 - 1) \frac{1}{\sqrt{3}} \times \frac{1}{\sqrt{3}}$
 - ☐ 3. 1
 - ☒ 4. $\frac{1}{3}$

Question ID : 8161611113
 Status : Answered
 Chosen Option : 4

Q.3 If an amount of ₹990 is divided among A, B and C in the ratio of 3 : 4 : 2, then B will get:

- Ans
- ☒ 1. ₹440
 - ☐ 2. ₹110
 - ☐ 3. ₹247.5
 - ☐ 4. ₹350

Question ID : 8161611100
Status : Answered
Chosen Option : 1

Q.4 In the triangle, if $AB = AC$ and $\angle ABC = 72^\circ$, then $\angle BAC$ is:

- Ans
- ☒ 1. 36°
 - ☐ 2. 54°
 - ☐ 3. 18°
 - ☐ 4. 30°

Question ID : 8161611110
Status : Answered
Chosen Option : 1

Q.5 The compound interest on a certain sum at the end of two years is ₹408. The simple interest on the same sum for the same time is ₹400. The rate of interest per annum is:

- Ans
- ☐ 1. 40%
 - ☐ 2. 80%
 - ☐ 3. 8%
 - ☒ 4. 4%

Question ID : 8161611101
Status : Marked For Review
Chosen Option : 4

Q.6 PAQ is a tangent to a circle with centre O, at a point A on it. AB is a chord such that $\angle BAQ = x^\circ$ ($x < 90$). C is a point on the major arc AB such that $\angle ACB = y^\circ$. If $\angle ABO = 32^\circ$, then the value of $x + y$ is:

- Ans
- ☐ 1. 110
 - ☐ 2. 98
 - ☐ 3. 112
 - ☒ 4. 116

Question ID : 8161611109
Status : Answered
Chosen Option : 3

Q.7 The value of $(26 - 13 \times 2) \div 2 + 1$ is:

- Ans
- ☐ 1. 0
 - ☐ 2. 14
 - ☒ 3. 1
 - ☐ 4. $\frac{26}{3}$

Question ID : 8161611095
Status : Answered
Chosen Option : 1

Q.8 Eight persons can finish a work in 20 days. After 5 days they were requested to complete the work in the next 8 days. How many more persons should join the group to fulfil the requirement?

- Ans
- ☒ 1. 7
 - ☐ 2. 23
 - ☐ 3. 15
 - ☐ 4. 12

Question ID : 8161611102
Status : Not Answered
Chosen Option : --

Q.9 A car dealer purchased an old car for ₹1,08,500 and spent some amount on its maintenance. He sold it for ₹1,56,250, thereby earning a profit of 25%. How much money did he spend on the maintenance of the car?

- Ans
- ☒ 1. ₹16,500
 - ☐ 2. ₹8,687.5
 - ☐ 3. ₹20,625
 - ☐ 4. ₹47,750

Question ID : 8161611099
Status : Answered
Chosen Option : 3

Q.10 The value of $\cos 10^\circ \cos 30^\circ \cos 50^\circ \cos 70^\circ \cos 90^\circ$ is:

- Ans
- ☐ 1. 1
 - ☒ 2. 0
 - ☐ 3. 3
 - ☐ 4. 5

Question ID : 8161611114
Status : Answered
Chosen Option : 2

Q.11 In a circle, AB is a the diameter and CD is a chord. AB and CD produced meet at a point P, outside the circle. If $PD = 15.3$ cm, $CD = 11.9$ cm and $AP = 30.6$ cm, then the radius of the circle is:

- Ans
- ☒ 1. 8 cm
 - ☒ 2. 9 cm
 - ☒ 3. 8.5 cm
 - ☒ 4. 7.5 cm

Question ID : 8161611111

Status : Answered

Chosen Option : 3

Q.12 The following table shows the income (in rupees) for a particular month, together with their source, in respect of 5 employees (A, B, C, D and E).

	A	B	C	D	E
Salary	52,000	48,500	42,000	31,000	25,000
Overtime	0	0	1,500	2,500	3,200
Arrears	5,500	4,500	4,000	3,000	1,500
Bonus	3,500	3,000	2,500	2,000	2,000
Miscellaneous income	5,000	3,000	2,000	1,500	0
Total	66,000	59,000	52,000	40,000	31,700

For employee D, the income from overtime is what percentage of his total income?

- Ans
- ☒ 1. 5%
 - ☒ 2. 6.25%
 - ☒ 3. 22.5%
 - ☒ 4. 7.5%

Question ID : 8161611118

Status : Answered

Chosen Option : 2

Q.13 In a class, the average score of thirty students on a test is 69. Later on it was found that the score of one student was wrongly read as 88 instead of 58. The actual average score is:

- Ans
- ☒ 1. 68
 - ☒ 2. 58
 - ☒ 3. 88
 - ☒ 4. 69

Question ID : 8161611096

Status : Answered

Chosen Option : 1

Q.14 A cell phone was marked at 20% above the cost price and a discount of 10% was given on its marked price. What is the profit percentage?

- Ans
- ☒ 1. 11%
 - ☒ 2. 9%
 - ☒ 3. 10%
 - ☒ 4. 8%

Question ID : 8161611097
 Status : Answered
 Chosen Option : 4

Q.15 The value of 515×485 is:

- Ans
- ☒ 1. 250225
 - ☒ 2. 200825
 - ☒ 3. 249775
 - ☒ 4. 20825

Question ID : 8161611105
 Status : Answered
 Chosen Option : 3

Q.16 The following table shows the number of students enrolled in different streams in a particular college.

Science		Arts		Commerce		Vocational	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
32	18	28	45	42	42	13	30

The ratio of the number of girls studying Arts to the number of girls studying in all other streams is:

- Ans
- ☒ 1. 1 : 2
 - ☒ 2. 3 : 1
 - ☒ 3. 1 : 3
 - ☒ 4. 2 : 1

Question ID : 8161611117
 Status : Answered
 Chosen Option : 1

Q.17 The distance between two stations, A and B, is 575 km. A train starts from station 'A' at 3:00 p.m. and moves towards station 'B' at an average speed of 50 km/h. Another train starts from station 'B' at 3:30 p.m. and moves towards station 'A' at an average speed of 60 km/h. How far from station 'A' will the trains meet?

- Ans
- ☒ 1. 225 km
 - ☒ 2. 275 km
 - ☒ 3. 300 km
 - ☒ 4. 325 km

Question ID : 8161611103
 Status : Answered
 Chosen Option : 2

Q.18 The greatest number which may replace * in the number 1190*6 to make the number divisible by 9 is:

- Ans
- ☐ 1. 0
 - ☒ 2. 1
 - ☐ 3. 3
 - ☐ 4. 9

Question ID : **8161611094**
Status : **Answered**
Chosen Option : 2

Q.19 The value of $\frac{3(1 - 2\sin^2 x)}{\cos^2 x - \sin^2 x}$ is:

- Ans
- ☐ 1. 4
 - ☒ 2. 3
 - ☐ 3. 1
 - ☐ 4. 2

Question ID : **8161611112**
Status : **Answered**
Chosen Option : 2

Q.20 If $x + 3y + 2 = 0$ then value of $x^3 + 27y^3 + 8 - 18xy$ is

- Ans
- ☐ 1. -2
 - ☐ 2. 1
 - ☐ 3. 2
 - ☒ 4. 0

Question ID : **8161611106**
Status : **Answered**
Chosen Option : 4

Q.21 The perimeter of a square plot is the same as that of a rectangular plot with sides 35 m and 15 m. The side of the square plot is:

- Ans
- ☐ 1. 20 m
 - ☒ 2. 25 m
 - ☐ 3. 50 m
 - ☐ 4. 100 m

Question ID : **8161611104**
Status : **Answered**
Chosen Option : 2

Q.22 As per data shown in the following table, what is the percentage of students who got less than 50 marks?

Marks obtained	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80
Number of students	5	11	18	38	39	24	15

- Ans**
- ☐ 1. 38%
 - ☐ 2. 72%
 - ☒ 3. 48%
 - ☐ 4. 74%

Question ID : **8161611115**
Status : **Answered**
Chosen Option : 1

Q.23 If $p + q = 7$ and $pq = 5$, then the value of $p^3 + q^3$ is:

- Ans**
- ☐ 1. 64
 - ☐ 2. 34
 - ☐ 3. 448
 - ☒ 4. 238

Question ID : **8161611107**
Status : **Answered**
Chosen Option : 4

Q.24 The price of cooking oil increased by 25%. Find by how much percentage a family must reduce its consumption in order to maintain the same budget?

- Ans**
- ☐ 1. 30%
 - ☒ 2. 20%
 - ☐ 3. 70%
 - ☐ 4. 80%

Question ID : **8161611098**
Status : **Answered**
Chosen Option : 2

Q.25 The following table gives the frequency of vowels used in the page of a book.

Vowels	a	e	i	o	u
Frequency	75	125	80	70	75

As per the given data, which vowels occur less than 80 times?

- Ans**
- ☒ 1. a, e, i
 - ☒ 2. a, e
 - ☒ 3. a, i, o, u
 - ☒ 4. a, o, u

Question ID : 8161611116

Status : Answered

Chosen Option : 4

Section : English Comprehension

Q.1 Select the word which means the same as the group of words given.

A building where grain is kept or stored

- Ans**
- ☒ 1. Greenery
 - ☒ 2. Grandstand
 - ☒ 3. Grate
 - ☒ 4. Granary

Question ID : 8161611139

Status : Answered

Chosen Option : 4

Q.2 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. So, in the agrarian era, you destroy your enemy's productive capacity by burning his crops or fields.
- B. Now, in the information era, destroying the enemy's productive capacity means destroying their information infrastructure.
- C. You battle with your enemy by destroying the enemy's productive capacity, which will be different depending upon the foundation of economy.
- D. But in the industrial era, ending productive capacity meant bombing of the factories that are located in cities and main industrial areas.

- Ans**
- ☒ 1. ACDB
 - ☒ 2. ACBD
 - ☒ 3. BDAC
 - ☒ 4. CADB

Question ID : 8161611132

Status : Answered

Chosen Option : 4

Q.3 Select the most appropriate ANTONYM of the given word.

Humane

- Ans**
- ☒ 1. Sympathetic
 - ☒ 2. Living
 - ☒ 3. Cruel
 - ☒ 4. Kind

Question ID : **8161611135**
Status : **Answered**
Chosen Option : **3**

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

The popular leader is remarkable for the way in which he _____ the qualities of a good politician and a world class thinker.

- Ans**
- ☒ 1. conditions
 - ☒ 2. portrait
 - ☒ 3. shows
 - ☒ 4. controls

Question ID : **8161611143**
Status : **Answered**
Chosen Option : **2**

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

Relief

- Ans**
- ☒ 1. Anger
 - ☒ 2. Aid
 - ☒ 3. Emotion
 - ☒ 4. Stress

Question ID : **8161611133**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Long after those five horses finish drinking water from the trough, an old horse appeared over the brow of the hill.

- Ans**
- ☒ 1. No Improvement
 - ☒ 2. had been finishing
 - ☒ 3. have finished
 - ☒ 4. had finished

Question ID : **8161611124**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 7

Q.7 Select the most appropriate option for the blank numbered 1.

- Ans  1. seat
-  2. plate
-  3. counter
-  4. stage

Question ID : **8161611126**

Status : **Answered**

Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 8

Q.8 Select the most appropriate option for the blank numbered 2.

- Ans  1. place
-  2. time
-  3. pen
-  4. wallet

Question ID : **8161611127**

Status : **Answered**

Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 9

Q.9 Select the most appropriate option for the blank numbered 3.

- Ans
- ☒ 1. friend
 - ☒ 2. cleaner
 - ☒ 3. manager
 - ☒ 4. waiter

Question ID : **8161611128**

Status : **Answered**

Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 10

Q.10 Select the most appropriate option for the blank numbered 4.

- Ans
- ☒ 1. When
 - ☒ 2. Why
 - ☒ 3. What
 - ☒ 4. How

Question ID : **8161611129**

Status : **Answered**

Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill each blank.

When you enter a restaurant, you take your (1)_____ and you are served a glass of water. You take your (2)_____ to decide what you should order. When a (3)_____ appears, you ask him the routine question, "(4)_____ do you have?" The waiter will begin to recite (5)_____ day's menus, generally with nothing new in it, but you like to hear it all over again.

SubQuestion No : 11

Q.11 Select the most appropriate option for the blank numbered 5.

- Ans
- ☒ 1. an
 - ☒ 2. this
 - ☒ 3. a
 - ☒ 4. the

Question ID : 8161611130

Status : Answered

Chosen Option : 4

Q.12 In the sentence identify the segment which contains the grammatical error.

It's raining heavily, so you should take an umbrella, but you will get wet.

- Ans
- ☒ 1. It's raining heavily
 - ☒ 2. but you will get wet.
 - ☒ 3. so you
 - ☒ 4. should take an umbrella

Question ID : 8161611119

Status : Answered

Chosen Option : 2

Q.13 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Labarotary
 - ☒ 2. Presence
 - ☒ 3. Absence
 - ☒ 4. Definite

Question ID : 8161611141

Status : Answered

Chosen Option : 1

Q.14 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Occurrence
 - ☒ 2. Fasineting
 - ☒ 3. Grammatical
 - ☒ 4. Professional

Question ID : 8161611142

Status : Answered

Q.15 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. They were all very bright and eager to learn, and the sage was proud of them.
- B. One day he realized that he had imparted sufficient knowledge to his disciples.
- C. Once upon a time, a great sage had a group of obedient disciples.
- D. There was only one thing that he had not taught them – a special mantra that could bring the dead back to life.

- Ans
- ☒ 1. ACBD
 - ☒ 2. DBAC
 - ☒ 3. CABD
 - ☒ 4. ADBC

Question ID : 8161611131
Status : Answered
Chosen Option : 3

Q.16 Select the most appropriate synonym of the given word.

Inclement

- Ans
- ☒ 1. Dignified
 - ☒ 2. Stormy
 - ☒ 3. Wonderful
 - ☒ 4. Pleasant

Question ID : 8161611134
Status : Not Answered
Chosen Option : --

Q.17 Select the correct passive form of the given sentence.

Conduct all the exams in a fair and proper manner.

- Ans
- ☒ 1. Let all the exams be conducted in a fair and proper manner.
 - ☒ 2. The exams were all conducted in a fair and proper manner.
 - ☒ 3. All the exams are conducted in a fair and proper manner.
 - ☒ 4. Let all exams should be conducted in fair and proper manner.

Question ID : 8161611121
Status : Answered
Chosen Option : 1

Q.18 Select the correct indirect form of the given sentence.

Johnny's mother said, "Johnny, run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese."

- Ans
- ☒ 1. Johnny's mother pleaded with John to run down to the grocer's and get her a loaf of French bread and a pound of cheddar cheese.
 - ☒ 2. Johnny asked his mother to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.
 - ☒ 3. Johnny's mother asked him to run down to the grocer's and get a loaf of French bread and a pound of cheddar cheese.
 - ☒ 4. Johnny commanded his mother to go down to the grocer and buy a loaf of French bread and a pound of cheddar cheese.

Question ID : 8161611122
Status : Answered
Chosen Option : 3

Q.19 Select the most appropriate meaning of the following idiom.

To take a back seat

- Ans
- ☒ 1. To go through a short but unpleasant period of time
 - ☒ 2. To be less successful in one's efforts
 - ☒ 3. To lecture or criticise the person who is actually in control of something
 - ☒ 4. To become less important or to give up control over things

Question ID : 8161611138
Status : Answered
Chosen Option : 4

Q.20 In the sentence identify the segment which contains the grammatical error.

The big ship sank and everyone abroad drowned.

- Ans
- ☒ 1. The big ship
 - ☒ 2. abroad drowned
 - ☒ 3. and everyone
 - ☒ 4. sank

Question ID : 8161611120
Status : Answered
Chosen Option : 2

Q.21 Select the word which means the same as the group of words given.

Working very hard and very carefully

- Ans
- ☒ 1. Indulgent
 - ☒ 2. Dilatory
 - ☒ 3. Indigent
 - ☒ 4. Diligent

Question ID : 8161611140
Status : Answered

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

Today's graduates should _____ their skills constantly to be able to excel in their career and life.

- Ans
- ☒ 1. dilute
 - ☒ 2. active
 - ☒ 3. encourage
 - ☒ 4. upgrade

Question ID : 8161611144
Status : Answered
Chosen Option : 4

Q.23 Select the most appropriate ANTONYM of the given word.

Extol

- Ans
- ☒ 1. Censure
 - ☒ 2. Exposure
 - ☒ 3. Realistic
 - ☒ 4. Boorish

Question ID : 8161611136
Status : Not Answered
Chosen Option : --

Q.24 Select the most appropriate option to substitute the underlined segment in the given sentence.

You must go to the book fair if you are liking it or not.

- Ans
- ☒ 1. if you like it
 - ☒ 2. whether you have liked
 - ☒ 3. whether you like it
 - ☒ 4. although you are liking it

Question ID : 8161611123
Status : Answered
Chosen Option : 3

Q.25 Select the most appropriate meaning of the following idiom.

To bark up the wrong tree

- Ans
- ☒ 1. To sound or appear ferocious but not actually so
 - ☒ 2. To do something that will not get the result you want
 - ☒ 3. To cover oneself with the outer covering of a wrong tree
 - ☒ 4. To make a sound like that of a dog

Question ID : 8161611137
Status : Answered
Chosen Option : 2