

Combined Graduate Level Examination 2021 Tier - I

Roll Number	Join Telegram For Free Material
Candidate Name	Join Telegram For Free Material
Venue Name	Gyansthal Mahavidyalaya
Exam Date	18/04/2022
Exam Time	4:00 PM - 5:00 PM
Subject	CGLE 2021 Tier I

Section : General Intelligence and Reasoning

Q.1 What would be the ratio of the areas of two circles, i.e. Circle-A and Circle-B, the radius of which are 4 cm and 8 cm, respectively?

Ans ☒ 1. 1 : 2

☒ 2. 1 : 16

☒ 3. 1 : 8

☒ 4. 1 : 4

Question ID : 65497843387

Status : Answered

Chosen Option : 4

Q.2 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Likelihood
2. Likenesses
3. Likewise
4. Likens
5. Likeliest

Ans ☒ 1. 5, 1, 2, 4, 3

☒ 2. 5, 1, 2, 3, 4

☒ 3. 1, 4, 2, 3, 5

☒ 4. 5, 1, 4, 2, 3

Question ID : 65497844599

Status : Answered

Chosen Option : 1

Q.3 Select the option that is related to the third term in the same way as the second term is related to the first term.

PRACTISE : ACEIPRST :: TECHNOLOGY : ?

Ans ☒ 1. HCETONYGLO

☒ 2. CEGHLNOPTY

☒ 3. CEGHLNOOTY

☒ 4. CEGLHOONTY

Question ID : 65497843376

Status : Answered

Chosen Option : 3

Ans

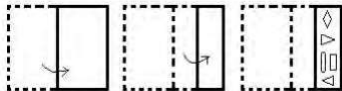
- ☒ 1. Anamika
- ☐ 2. Gopal
- ☐ 3. Sripad
- ☐ 4. Nischal

Q.5 If 'sky' is called 'cloud', 'cloud' is called 'thunder', 'thunder' is called 'water', 'water' is called 'pot', 'pot' is called 'desert', and 'desert' is called 'sky', then where do fish live?

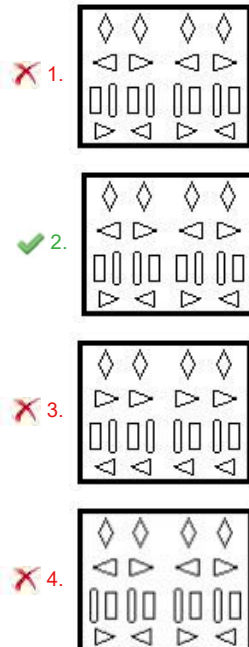
Ans

- ☐ 1. cloud
- ☒ 2. pot
- ☐ 3. water
- ☐ 4. desert

Q.6 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Ans



Question ID : 65497843699
Status : Answered
Chosen Option : 2

Q.7 At the time of sunset, Lopa and Kritika are sitting facing each other. If the shadow of Lopa falls to the right of Kritika, in which direction is Kritika facing?

- Ans**
- ☒ 1. South
 - ☒ 2. North
 - ☒ 3. East
 - ☒ 4. West

Question ID : **65497843694**
Status : **Answered**
Chosen Option : **4**

Q.8 In a certain code language, 'BHOPAL' is coded as '6-24-45-48-3-36', and 'IMPHAL' is coded as '27-39-48-24-3-36'. How will 'KOHIMA' be coded in that language?

- Ans**
- ☒ 1. 22-30-27-24-39-6
 - ☒ 2. 33-45-24-27-39-3
 - ☒ 3. 33-30-24-18-39-9
 - ☒ 4. 22-45-24-18-26-3

Question ID : **65497843681**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

GKH, DNL, WQO, TTS, GWH, ?

- Ans**
- ☒ 1. KYP
 - ☒ 2. DZL
 - ☒ 3. KZO
 - ☒ 4. FYP

Question ID : **65497842262**
Status : **Answered**
Chosen Option : **2**

Q.10 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 from the statements.

Statements:

Some lions are tigers.

All tigers are leopards.

All lions are animals.

Conclusions:

I. Some animals are leopards.

II. Some leopards are lions.

III. Some animals are tigers.

Ans ☒ 1. Only conclusions II and III follow.

☒ 2. Only conclusions I and III follow.

☒ 3. All conclusions I, II and III follow.

☒ 4. Only conclusions I and II follow.

Question ID : 65497842272

Status : Answered

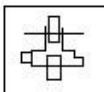
Chosen Option : 3

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

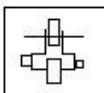


Ans

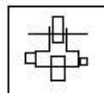
☒ 1.



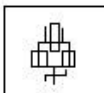
☒ 2.



☒ 3.



☒ 4.

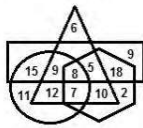


Question ID : 65497844202

Status : Answered

Chosen Option : 3

Q.12 In the following Venn diagram, the hexagon stands for 'captains', the triangle stands for 'girls', the rectangle stands for 'toppers', and the circle stands for 'social activists'. The given numbers represent the number of persons in that particular category.



How many girls are toppers and captains also?

- Ans** ☒ 1. 13
☒ 2. 15
☒ 3. 15
☒ 4. 17

Question ID : 65497843397
 Status : Answered
 Chosen Option : 1

Q.13 Select the correct combination of mathematical signs that can sequentially replace the * signs and make the given equation correct.

$$63 * 90 * 42 * 230 * 46 * 3$$

- Ans** ☒ 1. =, x, +, +, -
☒ 2. +, +, -, -, x
☒ 3. =, -, +, +, x
☒ 4. x, +, =, -, +

Question ID : 65497842279
 Status : Answered
 Chosen Option : 3

Q.14 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

d _ a _ b _ q d h _ a _ c q _ h _ a _ c q

- Ans** ☒ 1. h a c a b d a b
☒ 2. h a b a b d a b
☒ 3. h a c a b d q b
☒ 4. h a q a b d a b

Question ID : 65497844390
 Status : Answered
 Chosen Option : 1

Q.15 A cube of side 12 cm is painted green on all the faces and then cut into smaller cubes of sides 2 cm each. Find the number of smaller cubes that have only one face painted.

- Ans ☒ 1. 68
☒ 2. 96
☒ 3. 78
☒ 4. 49

Question ID : 65497842282
Status : Answered
Chosen Option : 2

Q.16 Select the number from among the given options that can replace the question mark (?) in the following series.

578, 577, 568, 543, ?

- Ans ☒ 1. 528
☒ 2. 518
☒ 3. 532
☒ 4. 494

Question ID : 65497842274
Status : Answered
Chosen Option : 4

Q.17 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

BRIGHTEN
P
|
Q

- Ans ☒ 1. BKLTCHEN
☒ 2. NIEHGTBR
☒ 3. BRIGHTEN
☒ 4. NETHGIBR

Question ID : 65497844304
Status : Answered
Chosen Option : 4

Q.18 If 'A' denotes 'addition', 'B' denotes 'multiplication', 'C' denotes 'subtraction', and 'D' denotes 'division', then what will be the value of the following expression?

441 D 7 A 21 B 6 C (189 D 7) A (46 C 12)

- Ans ☒ 1. 158
☒ 2. 169
☒ 3. 196
☒ 4. 185

Question ID : 65497844298
Status : Answered
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 and the sixth number is related to the fifth number.

16 : 263 :: 18 : ? :: 22 : 491

Ans ☒ 1. 317

☒ 2. 361

☒ 3. 331

☒ 4. 340

Question ID : 65497843689

Status : Answered

Chosen Option : 3

Q.20 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 ☒ 1. FCHP

☒ 2. JGLS

☒ 3. WTYF

☒ 4. NKPW

Question ID : 65497844183

Status : Answered

Chosen Option : 1

Q.21 Select the number from among the given options that can replace the question mark (?) in the following series.

2, 6, 10, 17, 52, 94, 472, ?

Ans ☒ 1. 763

☒ 2. 861

☒ 3. 816

☒ 4. 736

Question ID : 65497844192

Status : Not Answered

Chosen Option : --

Q.22 In a certain code language 'TEDIOUS' is written as 'HAMKWPY'. How will 'PROFUSE' be written in that language?

Ans ☒ 1. IBSLVOY

☒ 2. AJLSOVY

☒ 3. IBLSNXY

☒ 4. BISLOYV

Question ID : 65497844387

Status : Not Answered

Chosen Option : --

Q.23 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

60 152 161
14 18 17
15 19 ?

Ans ☒ 1. 23

☐ 2. 13

☐ 3. 19

☐ 4. 7

Question ID : 65497844196

Status : **Answered**

Chosen Option : 1

Q.24 Jahnavi is the sister of Taruni. Taruni is married to Dilip. Dilip is the father of Raghu. Manoj is the son of Hema. Taruni is the mother-in-law of Hema. Dilip has only one son and no daughter. Jahnavi is married to Barun. Lekha is the daughter of Barun. How is Jahnavi's sister related to Manoj's paternal grandfather?

Ans ☐ 1. Sister

☒ 2. Wife

☐ 3. Mother-in-law

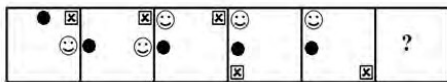
☐ 4. Mother

Question ID : 65497844290

Status : **Answered**

Chosen Option : 2

Q.25 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 : **65497844301**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 The 40th Amendment Act of 1976 was applied to which Article of the Constitution of India?

Ans ☒ 1. 297

☒ 2. 248

☒ 3. 245

☒ 4. 226

Question ID : **65497844328**
Status : **Not Answered**
Chosen Option : --

Q.2 What is the study of the production and propagation of sound waves called?

Ans ☒ 1. Optics

☒ 2. Photonics

☒ 3. Astrophysics

☒ 4. Acoustics

Question ID : **65497844212**
Status : **Marked For Review**
Chosen Option : **4**

Q.3 Who among the following science fiction/ popular science writers wrote '2001 : A Space Odyssey' and held the position of a Professor at the Physical Research Laboratory, Ahmedabad?

- Ans ☒ 1. Isaac Asimov
☒ 2. Arthur C Clarke
☒ 3. Jules Verne
☒ 4. HG Wells

Question ID : 65497843417
Status : Not Answered
Chosen Option : --

Q.4 India lost a large proportion of _____ growing area to Pakistan during partition.

- Ans ☒ 1. sunflower
☒ 2. jute
☒ 3. soyabean
☒ 4. cotton

Question ID : 65497842299
Status : Marked For Review
Chosen Option : 3

Q.5 The First Amendment Act of the Constitution of India came up in _____.

- Ans ☒ 1. 1954
☒ 2. 1951
☒ 3. 1952
☒ 4. 1953

Question ID : 65497843721
Status : Answered
Chosen Option : 2

Q.6 'Ashtadhyayi', written by Sanskrit scholar Panini, is a book on _____.

- Ans ☒ 1. medicine
☒ 2. law
☒ 3. economy
☒ 4. grammar

Question ID : 65497842302
Status : Answered
Chosen Option : 1

Q.7 As per Economic Survey of India 2020-21, India is expected to have a Current Account Surplus of _____ of GDP in FY21.

- Ans**
- ☒ 1. 1%
 - ☒ 2. 3%
 - ☒ 3. 2%
 - ☒ 4. 4%

Question ID : **65497843401**
Status : **Answered**
Chosen Option : **4**

Q.8 Which of the following is a dance form that originated in Assam?

- Ans**
- ☒ 1. Sattriya
 - ☒ 2. Lavani
 - ☒ 3. Gotipua
 - ☒ 4. Chhau

Question ID : **65497844206**
Status : **Answered**
Chosen Option : **1**

Q.9 Who among the following table tennis players won nine Senior National Championships as of April 2021?

- Ans**
- ☒ 1. Soumyajit Ghosh
 - ☒ 2. Sujay Ghorpade
 - ☒ 3. Sathiyan Gnanasekaran
 - ☒ 4. A Sharath Kamal

Question ID : **65497843422**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which of the following is the study of insects and their relationship to humans, the environment, and other organisms?

- Ans**
- ☒ 1. Ornithology
 - ☒ 2. Entomology
 - ☒ 3. Ethology
 - ☒ 4. Mycology

Question ID : **65497844316**
Status : **Answered**
Chosen Option : **2**

Q.11 As per the press release dated September 2020 of the Government of India, what is the payment made by the Government of India at Minimum Support Price (MSP) rates in the last 6 years?

- Ans ☒ 1. ₹9 lakh crore
☒ 2. ₹7 lakh crore
☒ 3. ₹5 lakh crore
☒ 4. ₹3 lakh crore

Question ID : 65497844311
Status : Not Answered
Chosen Option : --

Q.12 Which of the following belongs to the family of 'Hominidae'?

- Ans ☒ 1. Mango
☒ 2. Housefly
☒ 3. Wheat
☒ 4. Man

Question ID : 65497843408
Status : Answered
Chosen Option : 2

Q.13 What is the atomic mass of oxygen (expressed in 'u')?

- Ans ☒ 1. 24
☒ 2. 8
☒ 3. 16
☒ 4. 32

Question ID : 65497843708
Status : Answered
Chosen Option : 3

Q.14 In the year _____, Indira Gandhi, the then Prime Minister of India, issued special stamps titled 'Wheat Revolution' to usher in the Green Revolution.

- Ans ☒ 1. 1987
☒ 2. 1975
☒ 3. 1943
☒ 4. 1968

Question ID : 65497844219
Status : Answered
Chosen Option : 2

Q.15 In October 2020, the Haryana Government launched a _____ under the Jal Jeevan Mission scheme.

- Ans**
- ☒ 1. mobile app to test pH level in water
 - ☒ 2. mobile water testing laboratory
 - ☒ 3. training programme to test water salinity
 - ☒ 4. household water testing kit

Question ID : 65497842292
Status : Answered
Chosen Option : 1

Q.16 Who among the following was the founder of the Indian Association for the Cultivation of Science?

- Ans**
- ☒ 1. Ashutosh Mukhopadhyay
 - ☒ 2. Mahendra Lal Sircar
 - ☒ 3. Prafulla Chandra Roy
 - ☒ 4. Jagadish Chandra Bose

Question ID : 65497843719
Status : Not Answered
Chosen Option : --

Q.17 Who among the following is the author of the book 'Mrs Funnybones'?

- Ans**
- ☒ 1. Rekha
 - ☒ 2. Juhi Chawla
 - ☒ 3. Twinkle Khanna
 - ☒ 4. Sonali Bendre

Question ID : 65497844324
Status : Not Answered
Chosen Option : --

Q.18 According to the 2011 Census of India, which of the following states has a population density of 17 persons per sq km?

- Ans**
- ☒ 1. Assam
 - ☒ 2. Nagaland
 - ☒ 3. Arunachal Pradesh
 - ☒ 4. Sikkim

Question ID : 65497844318
Status : Answered
Chosen Option : 4

Q.19 How many protons are there in a lithium nucleus?

Ans

- ☒ 1. 2
- ☒ 2. 4
- ☒ 3. 5
- ☒ 4. 3

Question ID : 65497843406

Status : Answered

Chosen Option : 4

Q.20 With reference to the administration of Delhi Sultanate, which of the following was the department of State Correspondence?

Ans

- ☒ 1. Diwan-i-arz
- ☒ 2. Diwan-i-khairat
- ☒ 3. Diwan-i-risalt
- ☒ 4. Diwan-i-insha

Question ID : 65497844220

Status : Not Answered

Chosen Option : --

Q.21 Chandannagar was established as a French colony in 1673, obtaining permission from_____ the then Nawab of Bengal, to establish a trading post on the right bank of the river Hooghly.

Ans

- ☒ 1. Mansur Ali Khan
- ☒ 2. Murshid Quli Khan
- ☒ 3. Ibrahim Khan
- ☒ 4. Mir Zafar

Question ID : 65497843717

Status : Not Answered

Chosen Option : --

Q.22 Which Article of the Constitution of India prohibits anyone from employing children below the age of fourteen in factories, mines, etc?

Ans

- ☒ 1. 23
- ☒ 2. 26
- ☒ 3. 24
- ☒ 4. 25

Question ID : 65497844228

Status : Not Answered

Chosen Option : --

Q.23 The Open Hand Monument in Chandigarh was designed by _____.

- Ans**
- ☒ 1. Matthew Nowicki
 - ☒ 2. Maxwell Fry
 - ☒ 3. Le Corbusier
 - ☒ 4. Albert Mayer

Question ID : **65497842288**
Status : **Not Answered**
Chosen Option : --

Q.24 Who among the following became the first Indian woman to score 10,000 runs in international cricket across all formats in March 2021?

- Ans**
- ☒ 1. Mithali Raj
 - ☒ 2. Jhulan Goswami
 - ☒ 3. Priya Punia
 - ☒ 4. Taniya Bhatia

Question ID : **65497842310**
Status : **Answered**
Chosen Option : 1

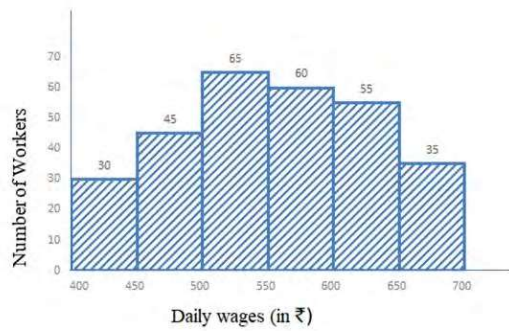
Q.25 Which of the following does NOT come under the category of Public Goods?

- Ans**
- ☒ 1. Government administration
 - ☒ 2. Food items
 - ☒ 3. National defence
 - ☒ 4. Roads

Question ID : **65497843703**
Status : **Answered**
Chosen Option : 2

Section : **Quantitative Aptitude**

Q.1 Study the given histogram and answer the question that follows.



The total number of workers whose daily wages are less than ₹500 is what percentage more than the total number of workers whose daily wages are ₹650 and above (correct to one decimal place)?

- Ans**
- ☒ 1. 111.8%
 - ☒ 2. 110.5%
 - ☒ 3. 101.2%
 - ☒ 4. 114.3%

Question ID : 65497844255

Status : Answered

Chosen Option : 4

Q.2 If $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{3}$, then what is the value of $x^4 + \frac{1}{x^4}$?

- Ans**
- ☒ 1. 531
 - ☒ 2. 7
 - ☒ 3. 623
 - ☒ 4. 527

Question ID : 65497843739

Status : Answered

Chosen Option : 4

Q.3 If $A = 10^\circ$, what is the value of:

$$\frac{12 \sin 3A + 5 \cos (5A - 5^\circ)}{9 \sin \frac{9A}{2} - 4 \cos (5A + 10^\circ)}?$$

Ans

✓ 1. $\frac{6\sqrt{2} + 5}{(9 - 2\sqrt{2})}$

✗ 2. $\frac{6\sqrt{2} - 5}{(9 - 2\sqrt{2})}$

✗ 3. $\frac{(9 - 2\sqrt{2})}{6\sqrt{2} + 5}$

✗ 4. $\frac{6\sqrt{2} + 5}{(9 + 2\sqrt{2})}$

Question ID : 65497844351

Status : Answered

Chosen Option : 1

Q.4 The area of similar triangles PQR and MNT are 196 cm^2 and 169 cm^2 respectively. If the longest side of the larger Δ PQR be 28 cm then what is the length (in cm) of the longest side of the smaller Δ MNT?

Ans

✓ 1. 26

✗ 2. 24

✗ 3. 25

✗ 4. 27

Question ID : 65497843742

Status : Answered

Chosen Option : 1

Q.5 A circle with centre O has radius 15 cm. D is a point on the circle such that a 24 cm long chord AB is bisected by OD at point C. Find the length of CD (in cm).

Ans

✗ 1. 9

✓ 2. 6

✗ 3. 4

✗ 4. 10

Question ID : 65497842327

Status : Answered

Chosen Option : 2

Q.6 A shopkeeper earns a profit of 17% on selling a book at 10% discount on the printed price. If the cost price is ₹500, then the printed price (in ₹) is:

- Ans**
- ☐ 1. 615
 - ☐ 2. 750
 - ☐ 3. 585
 - ☒ 4. 650

Question ID : 65497844338
Status : Answered
Chosen Option : 4

Q.7 AB is a diameter of a circle with centre O. The tangent at a point C on the circle and AB, when produced, meet at the point P. If $\angle APC = 38^\circ$, then what is the measure of $\angle PCB$?

- Ans**
- ☐ 1. 23°
 - ☒ 2. 26°
 - ☐ 3. 29°
 - ☐ 4. 19°

Question ID : 65497844245
Status : Answered
Chosen Option : 2

Q.8 A sum of ₹17,200 is lent out at simple interest in two parts for 2 years at 8% p.a. and 10% p.a., respectively. If the total interest received after 2 years is ₹3,008, then the money lent (in ₹) at the rate of 8% p.a. is:

- Ans**
- ☐ 1. 6,400
 - ☐ 2. 9,200
 - ☐ 3. 9,800
 - ☒ 4. 10,800

Question ID : 65497844239
Status : Answered
Chosen Option : 4

Q.9 If the volume of a sphere is $4,851 \text{ cm}^3$, then what is its diameter (in cm)?

(Take $\pi = \frac{22}{7}$)

- Ans**
- ☐ 1. 18
 - ☐ 2. 16
 - ☐ 3. 12
 - ☒ 4. 21

Question ID : 65497844344
Status : Answered
Chosen Option : 4

Q.10 From the top of a 195-m high cliff, the angles of depression of the top and bottom of a tower are 30° and 60° , respectively. Find the height of the tower (in m).

- Ans**
- ☒ 1. $195\sqrt{3}$
 - ☒ 2. 195
 - ☒ 3. 130
 - ☒ 4. 65

Question ID : 65497843443
Status : Answered
Chosen Option : 3

Q.11 In an election between two candidates, 5% of the registered voters did not cast their vote. 10% of the votes were found to be either invalid or of NOTA. The winning candidate received 60% votes in his favour and won the election by 17271 votes. Find the number of registered voters.

- Ans**
- ☒ 1. 90525
 - ☒ 2. 100000
 - ☒ 3. 101000
 - ☒ 4. 102500

Question ID : 65497842317
Status : Answered
Chosen Option : 3

Q.12 A manufacturer who marks the price of an article at ₹1,800, sells it to a dealer at a discount of 15%. The dealer gets a further discount of 8% on his net payment for paying in cash. What amount (to the nearest rupee) does the dealer pay to the manufacturer?

- Ans**
- ☒ 1. 1,500
 - ☒ 2. 1,408
 - ☒ 3. 1,530
 - ☒ 4. 1,378

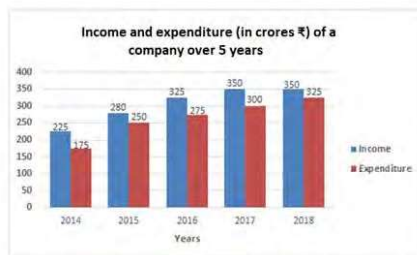
Question ID : 65497843124
Status : Answered
Chosen Option : 2

Q.13 The area of a cardboard (in cm^2) needed to make a closed box of size $20 \text{ cm} \times 10 \text{ cm} \times 8 \text{ cm}$ will be:

- Ans**
- ☒ 1. 880
 - ☒ 2. 690
 - ☒ 3. 750
 - ☒ 4. 960

Question ID : 65497844661
Status : Answered
Chosen Option : 1

- Q.14** The given bar graph shows the income and expenditure (in crores ₹) of a company over 5 years, from 2014 to 2018. Study the bar graph and answer the question that follows.



In which of the following years is the ratio of income to expenditure the minimum?

- Ans**
- ☒ 1. 2017
 - ☒ 2. 2018
 - ☐ 3. 2014
 - ☐ 4. 2016

Question ID : 65497842737
Status : Answered
Chosen Option : 2

- Q.15** Anup can row 33 km downstream and 35 km upstream in 8 hours. He can also row 44 km downstream and 28 km upstream in the same time. How much time (in hours) will he take to row 55 km downstream and 14 km upstream?

- Ans**
- ☐ 1. 9
 - ☐ 2. 6
 - ☐ 3. 8
 - ☒ 4. 7

Question ID : 65497843736
Status : Answered
Chosen Option : 4

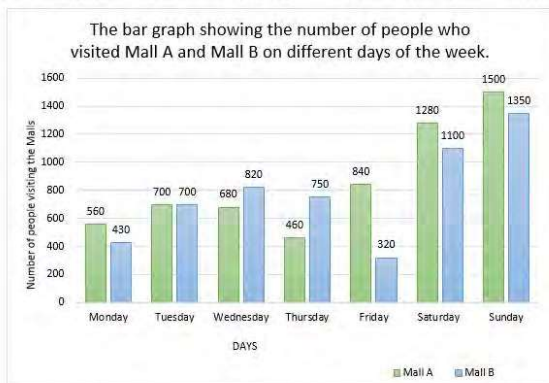
- Q.16** Find the value of the following expression:

$$\frac{3 \div 1 \times 2 + 5 - 2}{3 \times 3 - 2}$$

- Ans**
- ☒ 1. $\frac{9}{7}$
 - ☐ 2. $\frac{19}{3}$
 - ☐ 3. $\frac{4}{7}$
 - ☐ 4. $\frac{4}{3}$

Question ID : 65497843425
Status : Answered
Chosen Option : 1

Q.17 The bar graph shows the number of people who visited Mall A and Mall B on different days of a week.



The total number of people visiting Mall A on Monday, Tuesday, Friday and Sunday is what percentage of the total number of people visiting Mall B on Tuesday, Thursday, Saturday and Sunday? Express your answer correct to one place of decimal.

- Ans**
- ☒ 1. 86.5%
 - ☒ 2. 92.3%
 - ☒ 3. 95.7%
 - ☒ 4. 82.4%

Question ID : 65497843343

Status : Answered

Chosen Option : 2

Q.18 If $2 \sin^2 \theta + 3 \cos \theta = 3$, $0^\circ < \theta < 90^\circ$, then the value of $(\sec^2 \theta + \cot^2 \theta)$ is

- Ans**
- ☒ 1. $3\frac{2}{3}$
 - ☒ 2. $3\frac{1}{3}$
 - ☒ 3. $4\frac{1}{3}$
 - ☒ 4. $4\frac{1}{2}$

Question ID : 65497843744

Status : Answered

Chosen Option : 3

- Q.19** Monthly expenditure of a family on different heads is shown in the following pie chart. The family earns ₹1,08,000 every month.
How much (in ₹) does the family spend on food and transport?

Expenditure on different Heads



- Ans**
- ☒ 1. 34,000
 - ☒ 2. 35,250
 - ☒ 3. 34,800
 - ☒ 4. 34,500

Question ID : 65497843445
Status : Answered
Chosen Option : 4

- Q.20** LCM of two numbers is 22 times their HCF. If one of the numbers is 132 and the sum of LCM and HCF is 276, then what is the other number?

- Ans**
- ☒ 1. 24
 - ☒ 2. 30
 - ☒ 3. 25
 - ☒ 4. 20

Question ID : 65497843424
Status : Answered
Chosen Option : 1

- Q.21** The average of a set of 18 consecutive integers is 22.5. What is the largest integer in the set?

- Ans**
- ☒ 1. 14
 - ☒ 2. 13
 - ☒ 3. 31
 - ☒ 4. 17

Question ID : 65497844663
Status : Answered
Chosen Option : 3

Q.22 A number 'n' when divided by 6 leaves remainder 2. What will be the remainder when $(n^2 + n + 2)$ is divided by 6?

- Ans**
- ☐ 1. 4
 - ☐ 2. 6
 - ☐ 3. 0
 - ☒ 4. 2

Question ID : **65497842312**
Status : **Answered**
Chosen Option : **4**

Q.23 A can do a certain work in 15 days, while B can do the same work in 21 days. If they work together, then in how many days will the same work be completed?

- Ans**
- ☐ 1. $7\frac{3}{4}$
 - ☐ 2. $9\frac{3}{4}$
 - ☐ 3. $6\frac{3}{4}$
 - ☒ 4. $8\frac{3}{4}$

Question ID : **65497844341**
Status : **Answered**
Chosen Option : **4**

Q.24 In ΔPQR , S is a point on the side QR such that PS is the bisector of $\angle QPR$. If $PQ = 12$ cm, $QS = 3$ cm and $QR = 7$ cm, then what is the length of side PR?

- Ans**
- ☒ 1. 18 cm
 - ☐ 2. 14 cm
 - ☐ 3. 15 cm
 - ☐ 4. 16 cm

Question ID : **65497844349**
Status : **Answered**
Chosen Option : **4**

Q.25 Three years ago, the ratio of the age of father to that of his son was 8 : 3. After 4 years, their ages will be in the ratio 11 : 5. What is the present age (in years) of the father?

- Ans**
- ☐ 1. 52
 - ☒ 2. 51
 - ☐ 3. 48
 - ☐ 4. 55

Question ID : **65497843733**
Status : **Answered**
Chosen Option : **2**

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

Unfairly take something belonging to another for one's use

- Ans ☒ 1. Misconstrue
☒ 2. Misinterpret
☒ 3. Misappropriate
☒ 4. Misapprehend

Question ID : 65497843773
Status : Marked For Review
Chosen Option : 1

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

All the buses leaving between 10 p.m. and 5 a.m. has been cancelled.

- Ans ☒ 1. No substitution required
☒ 2. were been cancelled
☒ 3. were cancelled
☒ 4. being cancelled

Question ID : 65497842350
Status : Answered
Chosen Option : 1

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

sober

- Ans ☒ 1. straight
☒ 2. calm
☒ 3. drunk
☒ 4. unwell

Question ID : 65497843768
Status : Answered
Chosen Option : 3

Q.4 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Aarav's mother / speaks four languages / fluently.

- Ans ☒ 1. fluently
☒ 2. Aarav's mother
☒ 3. speaks four languages
☒ 4. No error

Question ID : 65497844458
Status : Answered
Chosen Option : 3

Q.5 The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.

I had all / the comforts to life / in my childhood.

- Ans**
- ☒ 1. No error
 - ☒ 2. the comforts to life
 - ☒ 3. I had all
 - ☒ 4. in my childhood

Question ID : 65497842136
Status : **Answered**
Chosen Option : 2

Q.6 Select the option that expresses the given sentence in passive voice.

Most lizards rely on camouflage to hide from their enemies.

- Ans**
- ☒ 1. Camouflage has been relied on by most lizards to hide from their enemies.
 - ☒ 2. Camouflage is relied on by most lizards to hide from their enemies.
 - ☒ 3. Camouflage was relied on by most lizards to hide from their enemies.
 - ☒ 4. Most lizards are being relied on by camouflage to hide from their enemies.

Question ID : 65497843756
Status : **Answered**
Chosen Option : 2

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

A problem that is so difficult that it cannot be answered

- Ans**
- ☒ 1. Impossible
 - ☒ 2. Insoluble
 - ☒ 3. Terrible
 - ☒ 4. Solvable

Question ID : 65497844380
Status : **Answered**
Chosen Option : 3

Q.8 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. It coincided with the 140th birth anniversary of Sardar Vallabhbhai Patel.

B. Through this innovative measure, the knowledge of the traditions and culture of different states is being shared.

C. The initiative 'Ek Bharat Shreshtha Bharat' was launched by the Honourable Prime Minister on 31st October 2015.

D. This will lead to an enhanced bonding and national integration.

Ans ☒ 1. CBDA

☒ 2. ADBC

☒ 3. ABCD

☒ 4. CABD

Question ID : 65497843463

Status : Answered

Chosen Option : 4

Q.9 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

What would / happen if / human beings were / govern by robots?

Ans ☒ 1. happen if

☒ 2. What would

☒ 3. govern by robots

☒ 4. human beings were

Question ID : 65497843753

Status : Answered

Chosen Option : 3

Q.10 Select the most appropriate meaning of the given idiom.

To fight shy of

Ans ☒ 1. To overcome one's weakness

☒ 2. To try to avoid something

☒ 3. To attack without warning

☒ 4. To struggle hard

Question ID : 65497844277

Status : Answered

Chosen Option : 1

Q.11 Select the most appropriate option to fill in the blank.

The teacher kept stopping her online lesson _____ to check if her students were following it.

- Ans** ☒ 1. occasionally
☒ 2. indifferently
☒ 3. impartially
☒ 4. unresponsively

Question ID : 65497843775
Status : Answered
Chosen Option : 1

Q.12 Select the most appropriate synonym of the given word.

Amass

- Ans** ☒ 1. Gather
☒ 2. Spread
☒ 3. Divide
☒ 4. Scatter

Question ID : 65497843464
Status : Answered
Chosen Option : 1

Q.13 Select the most appropriate ANTONYM of the given word.

Authentic

- Ans** ☒ 1. Incredible
☒ 2. Meagre
☒ 3. Genuine
☒ 4. Notorious

Question ID : 65497844275
Status : Answered
Chosen Option : 2

Q.14 Select the most appropriate ANTONYM of the given word.

Relay

- Ans** ☒ 1. Send
☒ 2. Pass
☒ 3. Spread
☒ 4. Hold

Question ID : 65497842355
Status : Answered
Chosen Option : 4

Q.15 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The increase in irrigated areas / has resulted on achieving / record food grain production.

- Ans** ☒ 1. The increase in irrigated areas
☒ 2. has resulted on achieving
☒ 3. record food grain production
☒ 4. No error

Question ID : 65497844259
Status : Answered
Chosen Option : 2

Q.16 Select the option that expresses the given sentence in indirect speech.

They cried, "Bravo! Well done."

- Ans** ☒ 1. They shouted in joy that they had done well.
☒ 2. They cried in joy for doing well.
☒ 3. They cried loudly for doing well.
☒ 4. They exclaimed with wonder that they had done well.

Question ID : 65497844268
Status : Answered
Chosen Option : 2

Q.17 Select the option that expresses the given sentence in passive voice.

It is time to revise the syllabi.

- Ans** ☒ 1. It is time for the syllabi to be revised.
☒ 2. It is time for the syllabi to revise.
☒ 3. It has been time for the syllabi to revise.
☒ 4. It was time for the syllabi to be revised.

Question ID : 65497843452
Status : Answered
Chosen Option : 1

Q.18 Select the most appropriate option to fill in the blank.

People all over the world are concerned about the human right to live with _____.

- Ans** ☒ 1. poise
☒ 2. delight
☒ 3. dignity
☒ 4. grandeur

Question ID : 65497844382
Status : Answered
Chosen Option : 3

Q.19 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. They each listened carefully to what each other said.

- Ans** ☒ 1. each another
☒ 2. No improvement required
☒ 3. the other
☒ 4. one another

Question ID : 65497843462
Status : Answered
Chosen Option : 4

Q.20 Select the most appropriate meaning of the given idiom.

Keep someone at arm's length

- Ans** ☒ 1. Restrict someone to a small space to stand
☒ 2. Allow someone to talk only from a distance
☒ 3. Make someone stay outside
☒ 4. Avoid being friendly with someone

Question ID : 65497842357
Status : Answered
Chosen Option : 2

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each blank.

Listening plays (1) _____ role in the interactive process of business transactions. It enables a person to gather proper and (2) _____ information so that he can understand the matter with clarity. For this, he should have a positive attitude towards the speaker and the (3) _____. He should also (4) _____ on what is being spoken and then evaluate it with reference to the (5) _____.

SubQuestion No : 21

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

- Ans** ☒ 1. a paltry
☒ 2. a significant
☒ 3. a trivial
☒ 4. an abundant

Question ID : 65497844364
Status : Answered
Chosen Option : 2

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each blank.

Listening plays (1) _____ role in the interactive process of business transactions. It enables a person to gather proper and (2) _____ information so that he can understand the matter with clarity. For this, he should have a positive attitude towards the speaker and the (3) _____. He should also (4) _____ on what is being spoken and then evaluate it with reference to the (5) _____.

SubQuestion No : 22**Q.22 Select the most appropriate option to fill in blank number 2.****Ans** ☒ 1. approximate☒ 2. vague☒ 3. accurate☒ 4. superficial

Question ID : 65497844365

Status : Answered

Chosen Option : 3

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each blank.

Listening plays (1) _____ role in the interactive process of business transactions. It enables a person to gather proper and (2) _____ information so that he can understand the matter with clarity. For this, he should have a positive attitude towards the speaker and the (3) _____. He should also (4) _____ on what is being spoken and then evaluate it with reference to the (5) _____.

SubQuestion No : 23**Q.23 Select the most appropriate option to fill in blank number 3.****Ans** ☒ 1. writer☒ 2. words☒ 3. topic☒ 4. orator

Question ID : 65497844366

Status : Answered

Chosen Option : 3

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each blank.

Listening plays (1) _____ role in the interactive process of business transactions. It enables a person to gather proper and (2) _____ information so that he can understand the matter with clarity. For this, he should have a positive attitude towards the speaker and the (3) _____. He should also (4) _____ on what is being spoken and then evaluate it with reference to the (5) _____.

SubQuestion No : 24

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

- Ans ☒ 1. neglect
☒ 2. concentrate
☒ 3. distract
☒ 4. disperse

Question ID : 65497844367
Status : Answered
Chosen Option : 2

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each blank.

Listening plays (1) _____ role in the interactive process of business transactions. It enables a person to gather proper and (2) _____ information so that he can understand the matter with clarity. For this, he should have a positive attitude towards the speaker and the (3) _____. He should also (4) _____ on what is being spoken and then evaluate it with reference to the (5) _____.

SubQuestion No : 25

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

- Ans ☒ 1. paragraph
☒ 2. context
☒ 3. selection
☒ 4. excerpt

Question ID : 65497844368
Status : Answered
Chosen Option : 2