Combined Graduate Level Examination-2019 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	Lucknow Digital Solutions
Exam Date	04/03/2020
Exam Time	4:00 PM - 5:00 PM
Subject	CGLE Tier I

Section : **General Intelligence and Reasoning**

Q.1 Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.

Ans

Question ID : **314360124**
Status : **Answered**
Chosen Option : **1**

Q.2 In a certain code language, 'EARTH' is coded as '8201815'. How will 'ORBIT' be coded as in that language?

Ans

✗ 1. 18172372

✔ 2. 20921815

✗ 3. 37681026

✗ 4. 17113912

Question ID : **314360109**
Status : **Answered**
Chosen Option : **2**

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 and sixth term is related to fifth term.

72: 14 :: 87: ? :: 96 : 54

Ans
✓ 1. 56
✗ 2. 52
✗ 3. 29
✗ 4. 15

Question ID : 314360114
Status : **Answered**
Chosen Option : **1**

Q.4 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Question ID : 314360125
Status : **Answered**
Chosen Option : **4**

Q.5 How many rectangles are there in the given figure?

Ans
- ✗ 1. 15
- ✔ 2. 17
- ✗ 3. 11
- ✗ 4. 13

Question ID : **314360121**
Status : **Answered**
Chosen Option : **3**

Q.6 In the given Venn diagram, the 'rectangle' represents 'engineers', the 'circle' represents 'managers', and the 'triangle' represents 'married'. The numbers given in the diagram represent the number of persons in that particular category.

How many people are married but are NOT engineers?

Ans
- ✔ 1. 29
- ✗ 2. 16
- ✗ 3. 70
- ✗ 4. 13

Question ID : **314360126**
Status : **Answered**
Chosen Option : **1**

Q.7 In a certain code language, 'JUPITER' is written as ' JVOJSFR '. How will 'NEPTUNE' be written as in that language?

Ans

   ✗ 1.   NDPSVME

   ✗ 2.   NGOUTOE

   ✔ 3.   NFOUTOE

   ✗ 4.   NFOSTOE

Question ID : **314360108**

Status : **Answered**

Chosen Option : **3**

Q.8 A product was marked for sale with a label price, which is at 20% discount on the printed price. At the time of sale, the shopkeeper gave an additional 10% discount on the label price. If a customer bought the product at ₹468, then what is the printed price of the product?

Ans

   ✗ 1.   ₹700

   ✔ 2.   ₹650

   ✗ 3.   ₹520

   ✗ 4.   ₹600

Question ID : **314360119**

Status : **Answered**

Chosen Option : **2**

Q.9 A + B means 'A is the wife of B';

A – B means 'B is the daughter of A';

A × B means 'B is the brother of A';

A ÷ B means 'A is the father of B'.

If, P + R × T – Q + S ÷ U, then how is P related to the mother of U?

Ans

   ✗ 1.   Maternal grandmother

   ✗ 2.   Mother

   ✗ 3.   Paternal grandmother

   ✔ 4.   Aunt

Question ID : **314360111**

Status : **Not Answered**

Chosen Option : **--**

Q.10 Arrange the following words in a logical and meaningful order (according to population).

1. Andhra Pradesh

2. Madhya Pradesh

3. Arunachal Pradesh

4. Uttar Pradesh

5. Himachal Pradesh

Ans ✗ 1. 4-1-2-3-5

✔ 2. 4-2-1-5-3

✗ 3. 4-1-2-5-3

✗ 4. 4-2-1-3-5

Question ID : **314360103**
Status : **Answered**
Chosen Option : **2**

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

Dentist : Doctor

Ans ✗ 1. Line : Circle

✗ 2. Algebra : Geometry

✔ 3. Chemistry : Science

✗ 4. Biology : Astrology

Question ID : **314360107**
Status : **Answered**
Chosen Option : **3**

Q.12 Which two signs should be interchanged to make the given equation correct?

$121 + 11 - 42 \times 6 \div 7 = 83$

Ans ✗ 1. − and ÷

✗ 2. + and ÷

✔ 3. ÷ and ×

✗ 4. × and −

Question ID : **314360118**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the option in which the given figure is embedded (rotation is not allowed).

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Question ID : **314360123**
Status : **Answered**
Chosen Option : **1**

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

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
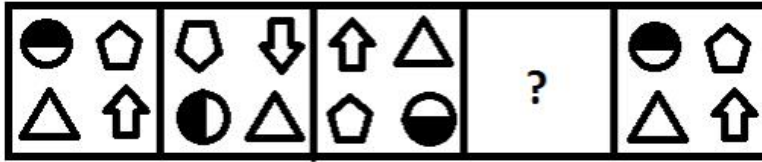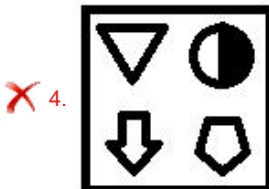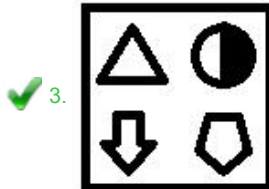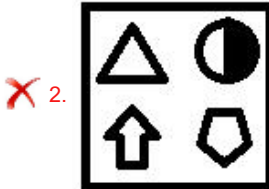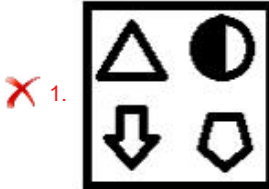
Question ID : **314360120**
Status : **Answered**
Chosen Option : **3**

Q.15 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.

Ans   ✗ 1. 10 : 123

      ✔ 2. 17 : 290

      ✗ 3. 14 : 227

      ✗ 4. 11 : 146

Question ID : **314360115**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.16 Select the option in which the number set shares the same relationship as that shared by the given number set.

(17, 24, 45)

Ans ✗ 1. (18, 23, 46)

✗ 2. (19, 26, 34)

✗ 3. (15, 20, 43)

✔ 4. (12, 19, 40)

Question ID : **314360116**

Status : **Answered**

Chosen Option : **4**

Q.17 Read the given statement(s) 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 statement(s).

Statements:

All singers are dancers.

No dancer is a plumber.

Conclusions:

I. No plumber is a singer.

II. Some singers are plumbers.

III. Some dancers are singers.

Ans ✗ 1. Only conclusion I follows.

✗ 2. Only conclusions II and III follow.

✔ 3. Only conclusions I and III follow.

✗ 4. Only conclusion II follows.

Question ID : **314360112**

Status : **Answered**

Chosen Option : **3**

Q.18 Select the number that can replace the question mark (?) in the following series.

1537, 1539, 1543, ?, 1557, 1567

Ans ✗ 1. 1553

✗ 2. 1550

✗ 3. 1546

✔ 4. 1549

Question ID : **314360113**

Status : **Answered**

Chosen Option : **4**

Q.19 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans ✗ 1. Hyderabad

✔ 2. Aurangabad

✗ 3. Chennai

✗ 4. Gangtok

Question ID : **314360105**
Status : **Answered**
Chosen Option : **2**

Q.20 Select the letter-cluster that can replace the question mark (?) in the following series.

DAG, FCI, ? , JGM, LIO

Ans ✗ 1. GDJ

✗ 2. IFL

✗ 3. HKE

✔ 4. HEK

Question ID : **314360110**
Status : **Answered**
Chosen Option : **4**

Q.21 'Wheat' is related to 'Bread' in the same way as 'Sugarcane' is related to '_____'.

Ans ✔ 1. Jaggery

✗ 2. Mayonnaise

✗ 3. Grass

✗ 4. Ketchup

Question ID : **314360106**
Status : **Answered**
Chosen Option : **1**

Q.22 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. FGL

✗ 2. ABF

✗ 3. IJN

✗ 4. MNR

Question ID : **314360104**
Status : **Answered**
Chosen Option : **1**

Q.23 Select the letter that can replace the question mark (?) in the following series.

A, E, J, ? , W

Ans   ✗ 1. R

✓ 2. P

✗ 3. S

✗ 4. Q

Question ID : **314360102**
Status : **Answered**
Chosen Option : **2**

Q.24 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing ' = '.
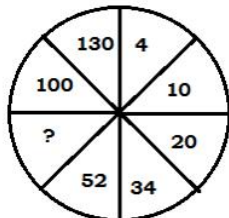

Ans   ✓ 1. S

✗ 2. #

✗ 3. %

✗ 4. *

Question ID : **314360122**
Status : **Answered**
Chosen Option : **1**

Q.25 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

Ans   ✗ 1. 64

✗ 2. 96

✗ 3. 82

✓ 4. 74

Question ID : **314360117**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 Four multi-storied illegal constructions - Jain Coral Cove, H20 Holy Faith, Alfa Serene and Golden Kayaloram - were razed to the ground in January 2020 following Supreme Court instructions. In which state did this happen?

Ans ✗ 1. Karnataka

✗ 2. Goa

✔ 3. Kerala

✗ 4. Tamil Nadu

Question ID : **314360151**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Name the company that has acquired an online travel portal Yatra Online Inc., for an enterprise value of $337.8 million, in an all-stock transaction.

Ans ✗ 1. Make my trip.com

✗ 2. Trivago

✔ 3. Ebix Inc.

✗ 4. Trip Advisor

Question ID : **314360130**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Which of the following is an INCORRECT sequence of Mughal rulers?

Ans ✗ 1. Jahangir, Shah Jahan, Aurangzeb

✔ 2. Akbar, Shah Jahan, Jahangir

✗ 3. Babur, Humayun, Akbar

✗ 4. Akbar, Jahangir, Shah Jahan

Question ID : **314360139**
Status : **Answered**
Chosen Option : **2**

Q.4 The recently revoked 'Article 370' is associated with which of these states of India?

Ans ✗ 1. Assam

✗ 2. Sikkim

✗ 3. Nagaland

✔ 4. Kashmir

Question ID : **314360149**
Status : **Answered**
Chosen Option : **4**

Q.5 **Bhavai and Kalbelia as traditional dance forms, owe their genesis to which Indian state?**

Ans   ✗ 1. Punjab

       ✓ 2. Rajasthan

       ✗ 3. Assam

       ✗ 4. Odisha

Question ID : **314360128**
Status : **Answered**
Chosen Option : **2**

Q.6 **Iranian Major General Qasem Soleimani was recently (2020) assassinated by the US military in _____.**

Ans   ✗ 1. United Arab Emirates

       ✓ 2. Iraq

       ✗ 3. Saudi Arabia

       ✗ 4. Pakistan

Question ID : **314360150**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **Who is the only scientist in the world to have won the Nobel prize in Chemistry twice?**

Ans   ✗ 1. Linus Carl Pauling

       ✗ 2. Roger D. Kornberg

       ✗ 3. Madame Curie

       ✓ 4. Frederick Sanger

Question ID : **314360133**
Status : **Answered**
Chosen Option : **3**

Q.8 **The American scientist Edwin Hubble's name is associated with which of these theories?**

Ans   ✗ 1. Lattice Gauge Theory

       ✗ 2. Quantum Chromodynamics Theory

       ✗ 3. Partial Coherence of Light Theory

       ✓ 4. The Big Bang Theory

Question ID : **314360131**
Status : **Not Answered**
Chosen Option : **--**

Q.9 The city of Vijayawada lies on the banks of which of these rivers?

Ans

✖ 1. Mahanadi

✖ 2. Tapti

✔ 3. Krishna

✖ 4. Godavari

Question ID : **314360137**

Status : **Marked For Review**

Chosen Option : **3**

Q.10 Only one Indian batsman has scored a triple century in test cricket other than Virender Sehwag. Name this batsman.

Ans

✖ 1. Ajinkya Rahane

✖ 2. Rohit Sharma

✖ 3. Shikhar Dhawan

✔ 4. Karun Nair

Question ID : **314360148**

Status : **Not Answered**

Chosen Option : **--**

Q.11 What is the name of the phenomena in physics and astronomy which involves the splitting of a spectral line into two or more components of slightly different frequency when the light source is placed in a magnetic field?

Ans

✖ 1. Lumen Effect

✖ 2. Alpenglow Effect

✔ 3. Zeeman Effect

✖ 4. Raman Effect

Question ID : **314360135**

Status : **Marked For Review**

Chosen Option : **4**

Q.12 When does the entire earth experience equal days and nights?

Ans

✖ 1. Day of winter solstice

✖ 2. Day of summer solstice

✖ 3. At orbital plane

✔ 4. Day of equinox

Question ID : **314360136**

Status : **Answered**

Chosen Option : **4**

Q.13 Who among the following is the current (January 2020) Governor of Kerala?

Ans   ✔ 1. Arif Mohammed Khan

       ✘ 2. Satya Pal Mallik

       ✘ 3. Lalji Tandon

       ✘ 4. B.D. Mishra

	Question ID : **314360146**
	Status : **Answered**
	Chosen Option : **1**

Q.14 Name the two Indian actors who shared the National Best Actor Award (Male) in the 66th National Film Awards 2019.

Ans   ✔ 1. Ayushmann Khurrana and Vicky Kaushal

       ✘ 2. Ranbir Kapoor and Akshay Kumar

       ✘ 3. Nana Patekar and Mohanlal

       ✘ 4. Amitabh Bachchan and Ranbir Kapoor

	Question ID : **314360127**
	Status : **Answered**
	Chosen Option : **1**

Q.15 Former union minister and former Karnataka CM, D.V. Sadananda Gowda is a cabinet minister in the current central cabinet (February-2020). What is his portfolio?

Ans   ✘ 1. Law and Justice

       ✔ 2. Chemicals and Fertilizers

       ✘ 3. Public Distribution

       ✘ 4. Tribal Affairs

	Question ID : **314360145**
	Status : **Marked For Review**
	Chosen Option : **2**

Q.16 Who among the following is known as the 'father of Muslim renaissance' in Bengal?

Ans   ✘ 1. Sir Sayed Ahmed Khan

       ✘ 2. Ameer Ali

       ✔ 3. Nawab Abdul Latif Khan

       ✘ 4. Nawab Salimullah Khan

	Question ID : **314360140**
	Status : **Answered**
	Chosen Option : **1**

Q.17 Name the author of the 2019 released book - 'The Scent of God'.

Ans   ✗ 1. Nayantara Sehgal

        ✗ 2. Githa Hariharan

        ✓ 3. Saikat Majumdar

        ✗ 4. Himanjali Sankar

Question ID : **314360144**
Status : **Not Answered**
Chosen Option : **--**

Q.18 What is the name of the phenomena (driven by the scattering of light) in which mountain tops acquire a rosy or orange hue around sunrise and sunset?

Ans   ✗ 1. Brillouin scattering

        ✗ 2. Circle of confusion

        ✓ 3. Alpenglow

        ✗ 4. Barrel distortion

Question ID : **314360134**
Status : **Not Answered**
Chosen Option : **--**

Q.19 How many members did the International Monetary Fund (IMF) have as of January 2020?

Ans   ✗ 1. 164

        ✗ 2. 174

        ✓ 3. 189

        ✗ 4. 182

Question ID : **314360129**
Status : **Answered**
Chosen Option : **3**

Q.20 The 3rd Khelo India Youth Games 2020 is hosted by which Indian state?

Ans   ✓ 1. Assam

        ✗ 2. Kerala

        ✗ 3. Karnataka

        ✗ 4. Punjab

Question ID : **314360147**
Status : **Answered**
Chosen Option : **1**

Q.21 From which of the following states does 2019 Padma Vibhushan winner, Teejan Bai hail?

Ans   ✔ 1. Chhattisgarh

         ✘ 2. Gujarat

         ✘ 3. Odisha

         ✘ 4. Telangana

Question ID :	**314360143**
Status :	**Not Attempted and Marked For Review**
Chosen Option :	--

Q.22 Which of these is the energy conversion that happens in the process called photosynthesis?

Ans   ✘ 1. Potential energy to chemical energy

         ✔ 2. Light energy to chemical energy

         ✘ 3. Heat energy to chemical energy

         ✘ 4. Heat energy to light energy

Question ID :	**314360132**
Status :	**Answered**
Chosen Option :	**2**

Q.23 Who was the then Governor-General of British India, when 'Sati Pratha' became illegal and punishable?

Ans   ✘ 1. Lord Cornwallis

         ✘ 2. Lord Wellesley

         ✔ 3. Lord William Bentinck

         ✘ 4. Warren Hastings

Question ID :	**314360141**
Status :	**Answered**
Chosen Option :	**3**

Q.24 Which of the following is an Indian Research Station in the Antarctica Region?

Ans   ✘ 1. Orcadas

         ✔ 2. Maitri

         ✘ 3. Hope Bay

         ✘ 4. Mawson

Question ID :	**314360138**
Status :	**Answered**
Chosen Option :	**2**

Q.25 Who is the author of the delightful and anecdotal history of Indian cricket titled - 'A Corner of a Foreign Field: The Indian History of a British Sport'?

Ans ✗ 1. Sanjay Singh

✓ 2. Ramachandra Guha

✗ 3. Bipin Chandra

✗ 4. Romila Thapar

Question ID : **314360142**

Status : **Not Answered**

Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

Years ⟶ Motorcycles (type) ↓	2013	2014	2015	2016	2017	2018
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

During 2015, the production of which type of motorcycle was more than 25% of the total production of all types of motorcycles in 2017?

Ans ✗ 1. A

✗ 2. B

✗ 3. C

✓ 4. D

Question ID : **314360174**

Status : **Answered**

Chosen Option : **4**

Q.2 The average age of a number of persons in a group was calculated as 35 years, which was 2.5 years more than the correct average as there was an error in recording the age of two persons as 38.5 years and 40 years instead of 29 years and 22 years respectively. The number of persons in the group was:

Ans ✓ 1. 11

✗ 2. 12

✗ 3. 15

✗ 4. 13

Question ID : **314360155**

Status : **Answered**

Chosen Option : **1**

Q.3

If $sec\theta + tan\theta = p, 0° < \theta < 90°$, then $\frac{p^2-1}{p^2+1}$ is equal to:

Ans ✗ 1. $cosec\theta$

✔ 2. $sin\theta$

✗ 3. $cos\theta$

✗ 4. $2cosec\theta$

Question ID : **314360172**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.4 The chords AB and CD of a circle intersect at E. If AE = 12 cm, BE = 20.25 cm and CE = 3 DE, then the length (in cm) of CE is:

Ans ✔ 1. 27

✗ 2. 25.5

✗ 3. 18

✗ 4. 28.5

Question ID : **314360167**

Status : **Answered**

Chosen Option : **1**

Q.5 If $x + y + z = 3$, and $x^2 + y^2 + z^2 = 101$, then what is the value of $\sqrt{x^3 + y^3 + z^3 - 3xyz}$?

Ans ✗ 1. 19

✔ 2. 21

✗ 3. 24

✗ 4. 28

Question ID : **314360165**

Status : **Not Answered**

Chosen Option : **--**

Q.6 If $12x^2 - 21x + 1 = 0$, then what is the value of $9x^2 + (16x^2)^{-1}$?

Ans ✗ 1. $\frac{429}{8}$

✗ 2. $\frac{465}{16}$

✔ 3. $\frac{417}{16}$

✗ 4. $\frac{453}{8}$

Question ID : **314360164**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.7 A sum of ₹x was divided between A, B, C and D in the ratio $\frac{1}{3}:\frac{1}{5}:\frac{1}{6}:\frac{1}{9}$. If the difference between the shares of B and D is ₹832, then the value of x is:

Ans
✔ 1. ₹7,592
✘ 2. ₹7,384
✘ 3. ₹7,696
✘ 4. ₹7,488

Question ID : **314360158**
Status : **Answered**
Chosen Option : **1**

Q.8 The area of a field in the shape of a regular hexagon is $2400\sqrt{3}$ m². The cost of fencing the field at ₹16.80/metre is:

Ans
✘ 1. ₹4,536
✘ 2. ₹3,024
✔ 3. ₹4,032
✘ 4. ₹3,528

Question ID : **314360162**
Status : **Answered**
Chosen Option : **3**

Q.9 Places A and B are 144 km apart. Two cars start simultaneously, one from A and the other from B. If they move in the same direction, they meet after 12 hours, but if they move towards each other they meet after $\frac{9}{8}$ hours. The speed (in km/h) of the car moving at a faster speed, is:

Ans
✔ 1. 70
✘ 2. 72
✘ 3. 60
✘ 4. 64

Question ID : **314360161**
Status : **Answered**
Chosen Option : **1**

Q.10 A, B and C donate 8%, 7% and 9%, of their salaries, respectively to a charitable trust. The salaries of A and B are same and the difference between their donations is ₹259. The total donation of A and B is ₹1,185 more than that of C. The total donation of A and C is what percentage of the total salaries of A, B and C? (Correct to one decimal place)

Ans
✘ 1. 6.2%
✔ 2. 5.8%
✘ 3. 6.4%
✘ 4. 7.1%

Question ID : **314360156**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Four men and 6 women can complete a certain piece of work in 5 days whereas three men and 4 women can complete it

in 7 days. How many men should assist 25 women to complete $2\frac{1}{2}$ times the same work in 5 days?

Ans ✗ 1. 8

✗ 2. 10

✗ 3. 4

✔ 4. 5

Question ID : 314360160
Status : **Answered**
Chosen Option : **4**

Q.12 In $\triangle ABC$, $\angle B = 72°$ and $\angle C = 44°$. Side BC is produced to D. The bisectors of $\angle B$ and $\angle ACD$ meet at E. What is the

measure of $\angle BEC$?

Ans ✗ 1. 58°

✗ 2. 46°

✔ 3. 32°

✗ 4. 36°

Question ID : 314360169
Status : **Answered**
Chosen Option : **3**

Q.13 In $\triangle ABC$, AC = 8.4 cm and BC = 14 cm. P is a point on AB such that CP = 11.2 cm and $\angle ACP = \angle B$. What is the

length (in cm) of BP?

Ans ✗ 1. 4.12

✗ 2. 2.8

✔ 3. 3.78

✗ 4. 3.6

Question ID : 314360168
Status : **Not Answered**
Chosen Option : --

Q.14 If $2x^2 + y^2 + 8z^2 - 2\sqrt{2}xy + 4\sqrt{2}yz - 8zx = (Ax + y + Bz)^2$, then the value of $(A^2 + B^2 - AB)$ is:

Ans ✗ 1. 16

✔ 2. 14

✗ 3. 6

✗ 4. 18

Question ID : 314360163
Status : **Not Answered**
Chosen Option : --

Q.15 How many numbers are there from 200 to 800 which are neither divisible by 5 nor by 7?

Ans
✗ 1. 407

✗ 2. 410

✗ 3. 413

✔ 4. 411

Question ID : **314360152**
Status : **Not Answered**
Chosen Option : --

Q.16 The value of $\dfrac{8\div[(8-3)\div\{(4\div4\ of\ 8)+4-4\times4\div8\}-2]}{8\times8\div4-8\div8\ of\ 2-7}$ is:

Ans
✗ 1. $\dfrac{17}{8}$

✔ 2. $\dfrac{8}{3}$

✗ 3. $\dfrac{16}{170}$

✗ 4. $\dfrac{2}{17}$

Question ID : **314360153**
Status : **Not Answered**
Chosen Option : --

Q.17 The given table represents the production of different types of motorcycles (in thousands) over a period of six years.
Study the table carefully and answer the question that follows.

Years → Motorcycles (type) ↓	2013	2014	2015	2016	2017	2018
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

What is the percentage increase in the total production of all types of motorcycles from 2014 to 2018?

Ans
✗ 1. $14\frac{3}{7}$

✗ 2. $17\frac{1}{3}$

✔ 3. $16\frac{2}{3}$

✗ 4. $14\frac{2}{7}$

Question ID : **314360175**
Status : **Answered**
Chosen Option : **3**

Q.18 The given table represents the production of different types of motorcycles (in thousands) over a period of six years. Study the table carefully and answer the question that follows.

Years → Motorcycles (type) ↓	2013	2014	2015	2016	2017	2018
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

By what percentage is the total production of type A motorcycles over six years, less than the total production of all types of motorcycles in 2013 and 2016?

Ans

✗ 1. 32.2

✗ 2. 32.8

✗ 3. 31.6

✔ 4. 30.5

Question ID : **314360176**

Status : **Not Answered**

Chosen Option : **--**

Q.19 Two circles of radii 7 cm and 5 cm intersect each other at A and B, and the distance between their centres is 10 cm. The length (in cm) of the common chord AB is:

Ans

✗ 1. $\dfrac{3\sqrt{66}}{5}$

✔ 2. $\dfrac{4\sqrt{66}}{5}$

✗ 3. $\dfrac{2\sqrt{74}}{5}$

✗ 4. $\dfrac{3\sqrt{74}}{5}$

Question ID : **314360166**

Status : **Not Answered**

Chosen Option : **--**

Q.20 If the selling price of an article is 8% more than the cost price and the discount offered is 10% on the marked price of the article, then what is the ratio of the cost price to the marked price?

Ans

✔ 1. 5 : 6

✗ 2. 8 : 9

✗ 3. 3 : 4

✗ 4. 4 : 5

Question ID : **314360154**

Status : **Not Answered**

Chosen Option : **--**

Q.21 The given table represents the production of different types of motorcycles (in thousands) over a period of six years.
Study the table carefully and answer the question that follows.

Years → Motorcycles (type) ↓	2013	2014	2015	2016	2017	2018
A	95	84	85	89	80	98
B	98	87	89	88	96	92
C	104	89	95	92	100	110
D	103	100	102	95	104	120

What is the ratio of the total number of motorcycles of type B produced in 2016 and 2018 to the total number of
motorcycles of type D produced in 2013, 2015 and 2016?

Ans

✗ 1. 1 : 2

✗ 2. 3 : 4

✔ 3. 3 : 5

✗ 4. 2 : 3

Question ID : **314360173**
Status : **Not Answered**
Chosen Option : --

Q.22 A sum of ₹8,000 invested at 10% p.a. amounts to ₹9,261 in a certain time, interest compounded half-yearly. What will
be the compound interest (in ₹) on the same sum for the same time at double the earlier rate of interest, when interest is
compounded annually?

Ans

✗ 1. ₹2,520

✗ 2. ₹2,480

✔ 3. ₹2,560

✗ 4. ₹2,500

Question ID : **314360159**
Status : **Not Answered**
Chosen Option : --

Q.23 A sells an article to B at a loss of 20%, B sells it to C at a profit of 12.5% and C sells it to D at a loss of 8%. If D buys it
for ₹248.40, then what is the difference between the loss incurred by A and C?

Ans

✗ 1. ₹36.80

✔ 2. ₹38.40

✗ 3. ₹42.60

✗ 4. ₹39.20

Question ID : **314360157**
Status : **Not Answered**
Chosen Option : --

Q.24 If $7cos^2\theta + 3sin^2\theta = 6,\ 0° < \theta < 90°$, then the value of $\frac{cot^2 2\theta + sec^2 2\theta}{tan^2 2\theta - sin^2 2\theta}$ is:

Ans

✔ 1. $\frac{52}{27}$

✘ 2. $\frac{26}{15}$

✘ 3. $\frac{28}{27}$

✘ 4. $\frac{49}{45}$

> Question ID : **314360170**
> Status : **Not Answered**
> Chosen Option : --

Q.25 The value of $\frac{(\cos 9° + \sin 81°)(\sec 9° + \csc 81°)}{2\sin^2 63° + 1 + 2\sin^2 27°}$ is:

Ans

✘ 1. $\frac{1}{2}$

✔ 2. $\frac{4}{3}$

✘ 3. 2

✘ 4. 1

> Question ID : **314360171**
> Status : **Not Answered**
> Chosen Option : --

Section : **English Comprehension**

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

Being a millionaire, he is leading a _____ life.

Ans ✘ 1. expensive

✘ 2. conducive

✘ 3. destitute

✔ 4. luxurious

> Question ID : **314360201**
> Status : **Answered**
> Chosen Option : **4**

Q.2 **Select the most appropriate ANTONYM of the given word.**

Sparse

Ans ✗ 1. Costly

✗ 2. Tranquil

✗ 3. Scanty

✓ 4. Abundant

Question ID : **314360194**	
Status : **Answered**	
Chosen Option : **4**	

Q.3 **Select the correct passive form of the given sentence.**

Did the problems you had to face discourage you?

Ans ✗ 1. Are you being discouraged by the problems you had to face?

✗ 2. Have you been discouraged by the problems you have to face?

✗ 3. Are you discouraged by the problems you had to face?

✓ 4. Were you discouraged by the problems you had to face?

Question ID : **314360179**	
Status : **Answered**	
Chosen Option : **4**	

Q.4 **Select the word which means the same as the group of words given.**

One who is preoccupied with his own interests

Ans ✓ 1. Egoist

✗ 2. Pessimist

✗ 3. Atheist

✗ 4. Optimist

Question ID : **314360198**	
Status : **Answered**	
Chosen Option : **1**	

Q.5 **Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.**

A. Upon returning from his travels, he was forced to live in a house where his large family lived.
B. Vaikom Muhammad Basheer was a Malayalam fiction writer from Vaikom in Kerala.
C. The household was always noisy and full of chaos, no place for a writer surely!
D. Apart from family members, myriads of domestic animals also treated the house as their own.

Ans ✗ 1. BCAD

✗ 2. BCDA

✓ 3. BADC

✗ 4. BDCA

Question ID : **314360190**	
Status : **Answered**	
Chosen Option : **3**	

Q.6 Select the INCORRECTLY spelt word.

Ans   ✗ 1. Ignorance

      ✗ 2. Influence

      ✔ 3. Itinerent

      ✗ 4. Impeach

Question ID : **314360200**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

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 blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1)_____ 1905. With access to all the fresh milk he (2)_____, he began producing the finest milk chocolate. The plant (3)_____ opened in a small Pennsylvania village is today the (4)_____ chocolate factory in the world. The confections created here are (5)_____ around the world.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank 1.

Ans   ✗ 1. to

      ✗ 2. at

      ✔ 3. in

      ✗ 4. on

Question ID : **314360184**

Status : **Answered**

Chosen Option : **3**

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 blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1)_____ 1905. With access to all the fresh milk he (2)_____, he began producing the finest milk chocolate. The plant (3)_____ opened in a small Pennsylvania village is today the (4)_____ chocolate factory in the world. The confections created here are (5)_____ around the world.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank 2.

Ans   ✗ 1. considered

      ✗ 2. kneaded

      ✗ 3. distributed

      ✔ 4. needed

Question ID : **314360185**

Status : **Answered**

Chosen Option : **4**

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 blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1)_____ 1905. With access to all the fresh milk he (2)_____, he began producing the finest milk chocolate. The plant (3)_____ opened in a small Pennsylvania village is today the (4)_____ chocolate factory in the world. The confections created here are (5)_____ around the world.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank 3.

Ans   ✔ 1. that

       ✘ 2. when

       ✘ 3. who

       ✘ 4. what

Question ID : **314360186**
Status : **Answered**
Chosen Option : **1**

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 blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1)_____ 1905. With access to all the fresh milk he (2)_____, he began producing the finest milk chocolate. The plant (3)_____ opened in a small Pennsylvania village is today the (4)_____ chocolate factory in the world. The confections created here are (5)_____ around the world.

SubQuestion No : 10

Q.10 Select the most appropriate option to fill in blank 4.

Ans   ✘ 1. large

       ✘ 2. most largest

       ✔ 3. largest

       ✘ 4. larger

Question ID : **314360187**
Status : **Answered**
Chosen Option : **3**

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 blank.

Milton Hershey returned to the village where he had been born, in the heart of dairy country. He opened his chocolate manufacturing plant (1)_____ 1905. With access to all the fresh milk he (2)_____, he began producing the finest milk chocolate. The plant (3)_____ opened in a small Pennsylvania village is today the (4)_____ chocolate factory in the world. The confections created here are (5)_____ around the world.

SubQuestion No : 11

Q.11 Select the most appropriate option to fill in blank 5.

Ans ✗ 1. choices

✔ 2. favourites

✗ 3. collections

✗ 4. selections

Question ID : **314360188**

Status : **Answered**

Chosen Option : **2**

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

Children under five years are _____ from passport biometrics.

Ans ✗ 1. acquitted

✔ 2. exempted

✗ 3. escaped

✗ 4. allowed

Question ID : **314360202**

Status : **Answered**

Chosen Option : **2**

Q.13 Select the word which means the same as the group of words given.

A geometrical figure with eight sides

Ans ✔ 1. Octagon

✗ 2. Pentagon

✗ 3. Hexagon

✗ 4. Heptagon

Question ID : **314360197**

Status : **Answered**

Chosen Option : **1**

Q.14 Select the most appropriate meaning of the given idiom.

Bring to light

Ans ✓ 1. Reveal clearly

✗ 2. Cheer someone

✗ 3. Praise in public

✗ 4. Brighten up

Question ID : **314360195**

Status : **Answered**

Chosen Option : **1**

Q.15 Select the most appropriate synonym of the given word.

Fury

Ans ✗ 1. Sin

✗ 2. Risk

✓ 3. Anger

✗ 4. Crime

Question ID : **314360191**

Status : **Answered**

Chosen Option : **3**

Q.16 Select the most appropriate meaning of the given idiom.

Hold water

Ans ✗ 1. To be fickle

✗ 2. To be busy

✓ 3. To be valid

✗ 4. To be deep

Question ID : **314360196**

Status : **Answered**

Chosen Option : **3**

Q.17 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'.

Your advice will <u>benefit to me.</u>

Ans ✗ 1. benefit from me

✓ 2. benefit me

✗ 3. No substitution

✗ 4. benefit for me

Question ID : **314360181**

Status : **Answered**

Chosen Option : **2**

Q.18 **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.**

<u>Where you left</u> your bag yesterday?

Ans   ✗ 1. No substitution

✗ 2. Where did you left

✗ 3. Where were you leaving

✔ 4. Where did you leave

Question ID : **314360182**

Status : **Answered**

Chosen Option : **4**

Q.19 **Select the most appropriate ANTONYM of the given word.**

Friendship

Ans   ✔ 1. Enmity

✗ 2. Amity

✗ 3. Slavery

✗ 4. Arrogance

Question ID : **314360193**

Status : **Answered**

Chosen Option : **1**

Q.20 **Select the correct indirect form of the given sentence.**

The lawyer said to me, "There is no proof of your involvement in this case."

Ans   ✗ 1. The lawyer told that there is no proof of my involvement in that case.

✔ 2. The lawyer told me that there was no proof of my involvement in that case.

✗ 3. The lawyer told me that there is no proof of your involvement in this case.

✗ 4. The lawyer said me that there was no proof of my involvement in this case.

Question ID : **314360180**

Status : **Answered**

Chosen Option : **2**

Q.21 **In the sentence identify the segment which contains the grammatical error.**

I am believing you have submitted all the necessary documents.

Ans   ✔ 1. I am believing

✗ 2. necessary documents

✗ 3. you have submitted

✗ 4. all the

Question ID : **314360177**

Status : **Answered**

Chosen Option : **1**

Q.22 In the sentence identify the segment which contains the grammatical error.

No sooner did we receive your message when we heaved a sigh of relief.

Ans ✗ 1. did we receive

✗ 2. a sigh of relief

✗ 3. your message

✔ 4. when we heaved

Question ID : **314360178**

Status : **Answered**

Chosen Option : **4**

Q.23 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. Even the most ill-equipped laboratory would have been better than their shed.
B. Thus, they did not allow any difficulties to come in their way.
C. But their mind was set upon the discovery of radium.
D. The Curies had to work in extreme poverty.

Ans ✔ 1. DACB

✗ 2. ABCD

✗ 3. ADBC

✗ 4. DBCA

Question ID : **314360189**

Status : **Answered**

Chosen Option : **1**

Q.24 Select the most appropriate synonym of the given word.

Solitary

Ans ✔ 1. Singular

✗ 2. Stubborn

✗ 3. Splendid

✗ 4. Sensible

Question ID : **314360192**

Status : **Answered**

Chosen Option : **1**

Q.25 Select the INCORRECTLY spelt word.

Ans ✔ 1. Diliver

✗ 2. Denial

✗ 3. Decision

✗ 4. Deter

Question ID : **314360199**

Status : **Answered**

Chosen Option : **1**