Combined Graduate Level Examination 2020 Tier-I

Roll Number	www.exammix.com
Candidate Name	
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Exam Date	24/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section : **General Intelligence and Reasoning**

Q.1 **Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.**

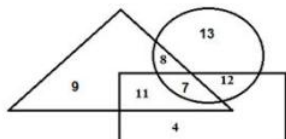**MEND, PHJZ, SKFV, VNBR, ?**

Ans ✗ 1. YJYN

  ✓ 2. YQXN

  ✗ 3. YRXO

  ✗ 4. YQZM

Question ID : **81616113010**
Status : **Answered**
Chosen Option : **2**

Q.2 In the following diagram, the circle represents 'rural folk', the triangle represents 'businessmen' and the rectangle represents 'graduates'. Study the diagram carefully and answer the question that follows.

What is the number of rural businessmen, who are NOT graduates?

Ans ✗ 1. 7

  ✓ 2. 8

  ✗ 3. 15

  ✗ 4. 11

Question ID : **81616112529**
Status : **Answered**
Chosen Option : **2**

Q.3 Pointing to a baby girl in a cradle, Sripad said, "She is the daughter of my father's mother's only daughter's elder daughter".

How is the baby girl's mother related to Sripad?

Ans ✗ 1. Cousin

    ✔ 2. Aunt

    ✗ 3. Niece

    ✗ 4. Sister-in-law

Question ID : **81616113019**
Status : **Answered**
Chosen Option : **3**

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.

Ans ✗ 1. 28 : 163

    ✗ 2. 16 : 91

    ✔ 3. 27 : 82

    ✗ 4. 22 : 127

Question ID : **81616114235**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(12, 14, 143)

Ans ✗ 1. (12, 18, 246)

    ✗ 2. (17, 12, 134)

    ✗ 3. (16, 10, 235)

    ✔ 4. (15, 19, 252)

Question ID : **81616114237**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Select the option in which the numbers are NOT related in the same way as are the numbers of the following set.

(64, 91, 118)

Ans ✔ 1. (46, 73, 101)

    ✗ 2. (48, 75, 102)

    ✗ 3. (72, 99, 126)

    ✗ 4. (55, 82, 109)

Question ID : **81616112519**
Status : **Answered**
Chosen Option : **4**

Q.7 Select the figure from among the given options that can replace the question mark (?) in the following series.

E U I	A A O O I	U U I O E E	I I O A A	O E U	?

Ans

✘ 1.

```
A          E

    U

I          O
```

✘ 2.

```
O          E

    I

U          A
```

✔ 3.

```
O          E

    A

U          I
```

✘ 4.

```
E          A

    U

I          O
```

Question ID : **81616113028**
Status : **Answered**
Chosen Option : **3**

Q.8 Which two signs should be interchanged to make the given equation correct?

156 − 13 + 9 × 18 ÷ 5 = 169

Ans ✘ 1. × and −

✔ 2. ÷ and −

✘ 3. ÷ and +

✘ 4. × and ÷

Question ID : **81616114238**
Status : **Answered**
Chosen Option : **2**

Q.9 Akshar and Manvita recently celebrated their silver wedding anniversary and their older son Sanju's birthday. If the age of Sanju 18 years after his parent's marriage, and his age at their golden anniversary is in the ratio 5 : 21, how many years after their marriage was Sanju born?
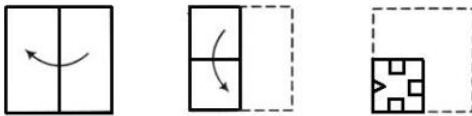
Ans ✘ 1. 10 years

✘ 2. 12 years

✘ 3. 15 years

✔ 4. 8 years
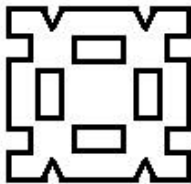
Question ID : **81616113027**
Status : **Answered**
Chosen Option : **3**

Q.10 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?
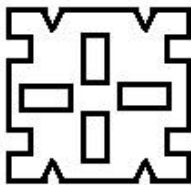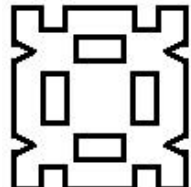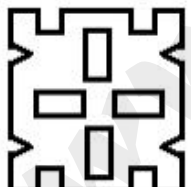
Ans

✘ 1.

✘ 2.

✔ 3.

✘ 4.

Question ID : **81616113033**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

COGNITIVE|
P
Q

Ans

✗ 1. COGNITIVE (mirror)

✗ 2. CONGITIVE (mirror)

✔ 3. COGNITIVE (mirror)

✗ 4. CONGITIVE (mirror)

Question ID : **81616113032**
Status : **Answered**
Chosen Option : **3**

Q.12 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

r_vql_mv_lrm_q_rm_ql

Ans
✗ 1. l, m, q, r, v, v

✗ 2. v, v, q, r, l, m

✔ 3. m, r, q, v, l, v

✗ 4. q, r, v, l, v, m

Question ID : **81616113018**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the option in which the words share the same relationship as that shared by the given pair of words.

Tintometer : Colour

Ans
✗ 1. Viscometer : Wind

✔ 2. Protractor : Angles

✗ 3. Planimeter : Pressure

✗ 4. Spirometer : Speed

Question ID : **81616113015**
Status : **Answered**
Chosen Option : **2**

Q.14 Select the option that is related to the third word in the same way as the second word is related to the first word.

Canada : Ottawa :: Cuba : ?

Ans ✗ 1. Bern

     ✗ 2. Madrid

     ✓ 3. Havana

     ✗ 4. Oslo

Question ID : **81616113014**
Status : **Not Answered**
Chosen Option : **--**

Q.15 In a certain code language, 'COW' is written as 'ZRF' and 'DOG' is written as 'JRG'. How will 'RAT' be written in that language?
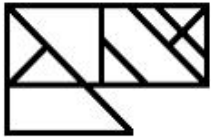
Ans ✗ 1. XDV

     ✓ 2. WDU

     ✗ 3. UDW

     ✗ 4. VEU

Question ID : **81616112511**
Status : **Answered**
Chosen Option : **2**

Q.16 How many triangles are there in the given figure?

Ans ✗ 1. 13

     ✗ 2. 12

     ✓ 3. 11

     ✗ 4. 10

Question ID : **81616114241**
Status : **Answered**
Chosen Option : **3**

Q.17 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Topology
2. Topper
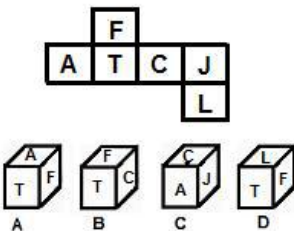3. Tolerance
4. Together
5. Tomorrow

Ans ✖ 1. 4, 5, 3, 1, 2

✖ 2. 4, 2, 3, 1, 5

✖ 3. 4, 2, 1, 5, 3

✔ 4. 4, 3, 5, 1, 2

Question ID : **81616113011**
Status : **Answered**
Chosen Option : **4**

Q.18 Select the cubes that can be formed by folding the given sheet along the lines.

Ans ✔ 1. Only A and B

✖ 2. Only A, B and C

✖ 3. Only A, B and D

✖ 4. Only B and C

Question ID : **81616114242**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
All pencils are erasers.
Some sharpeners are pencils.

Conclusions:
I. Some sharpeners are erasers.
II. All pencils are sharpeners.

Ans ✖ 1. Neither conclusion I nor II follows

✖ 2. Both conclusions I and II follow

✖ 3. Only conclusion II follows

✔ 4. Only conclusion I follows

Question ID : **81616112515**
Status : **Answered**
Chosen Option : **4**

Q.20 In a certain code language, 'MINT' is coded as '224' and'FANCY' is coded as '245'. How will 'CONTOUR' be coded in that language?

Ans ✗ 1. 259

✗ 2. 301

✗ 3. 597

✓ 4. 742

Question ID : **81616114229**

Status : **Not Answered**

Chosen Option : **--**

Q.21 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. TFKG

✓ 2. FHWU

✗ 3. RDMI

✗ 4. JNCQ

Question ID : **81616113012**

Status : **Not Answered**

Chosen Option : **--**

Q.22 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
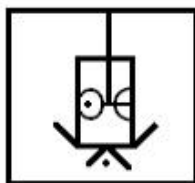
Question ID : **81616113031**
Status : **Answered**
Chosen Option : **4**

Q.23 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 : 531 : : 27 : ?

Ans ✗ 1. 802

✗ 2. 573

✔ 3. 731

✗ 4. 656

Question ID : **81616112517**
Status : **Answered**
Chosen Option : **3**

Q.24 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

Ans   ✗ 1. Myology

     ✗ 2. Dermatology

     ✓ 3. Ecology

     ✗ 4. Ophthalmology

Question ID : **81616114225**
Status : **Answered**
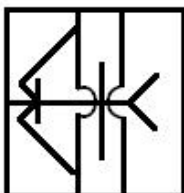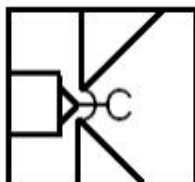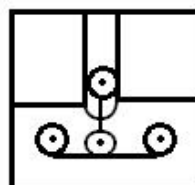Chosen Option : **3**

Q.25 Select the number from among the given options that can replace the question mark (?) in the following series.

3, 20, 38, 52, 75, 82, 114, ?

Ans   ✗ 1. 104

     ✗ 2. 101

     ✗ 3. 118

     ✓ 4. 110

Question ID : **81616113021**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 How many brightest stars is the constellation called the Great Bear made up of?

Ans   ✗ 1. Nine

     ✗ 2. Five

     ✓ 3. Seven

     ✗ 4. Three

Question ID : **81616112534**
Status : **Answered**
Chosen Option : **1**

Q.2 Prophet Muhammad founded the faith of Islam in the _____ century.

Ans   ✗ 1. sixth

     ✗ 2. eighth

     ✓ 3. seventh

     ✗ 4. ninth

Question ID : **81616114260**
Status : **Answered**
Chosen Option : **2**

Q.3 In which present day state will you find the Megudi temple?

Ans ✖ 1. Tamil Nadu

✖ 2. Odisha

✔ 3. Karnataka

✖ 4. Kerala

Question ID : **81616112542**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Through which of the following actions does the lithosphere move over the asthenosphere?

Ans ✖ 1. Weathering

✖ 2. Continental drift

✔ 3. Plate tectonics

✖ 4. Deposition

Question ID : **81616113045**
Status : **Not Answered**
Chosen Option : **--**

Q.5 'Ghoomar' is a folk-dance form from the state of _____.

Ans ✖ 1. Bihar

✖ 2. Jharkhand

✔ 3. Rajasthan

✖ 4. Tripura

Question ID : **81616114248**
Status : **Answered**
Chosen Option : **3**

Q.6 Who among the following is one of the authors of 'The Hitman: The Rohit Sharma Story'?

Ans ✖ 1. Anupam Kher

✔ 2. G Krishnan

✖ 3. S Hareesh

✖ 4. Sanjana Desai

Question ID : **81616113052**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Which Sultan established a separate department (Diwan-i-Amir Kohi) to take care of agriculture?

Ans ✖ 1. Jalal-ud-din Khalji

✖ 2. Khizr Khan

✔ 3. Muhammad Bin Tughlaq

✖ 4. Tughril Beg

Question ID : **81616112545**
Status : **Answered**
Chosen Option : **1**

Q.8 A/an _____ is a natural geo-hydrological unit of land, which collects water and drains it through a common point by a system of streams.

Ans ✔ 1. watershed

✘ 2. aquifer

✘ 3. warabandi

✘ 4. reservoir

Question ID : **81616113046**
Status : **Answered**
Chosen Option : **4**

Q.9 Who among the following Indian-American scientists was appointed as the acting chief of staff of the US space agency NASA, in February, 2021?

Ans ✘ 1. Shantanu Narayen

✘ 2. Ramesh Raskar

✔ 3. Bhavya Lal

✘ 4. Manmohan Attavar

Question ID : **81616113059**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Who among the following Indian actresses joined the list of Young Global Leaders (YGL) compiled by the World Economic Forum in March 2021?

Ans ✘ 1. Shilpa Shetty

✘ 2. Aishwarya Rai

✔ 3. Deepika Padukone

✘ 4. Alia Bhatt

Question ID : **81616113051**
Status : **Answered**
Chosen Option : **3**

Q.11 Which of the following is known as alkaline earth metal?

Ans ✘ 1. Cobalt

✘ 2. Platinum

✔ 3. Magnesium

✘ 4. Copper

Question ID : **81616112537**
Status : **Not Answered**
Chosen Option : **--**

Q.12 In which of the following countries were the first modern Olympic Games held?

Ans ✅ 1. Greece

❌ 2. China

❌ 3. Spain

❌ 4. United Kingdom

Question ID : **81616113055**
Status : **Answered**
Chosen Option : **1**

Q.13 An economy in which both, the private sector and the government are involved is known as a/an _____ economy.

Ans ❌ 1. amalgam

✅ 2. mixed

❌ 3. parallel

❌ 4. blended

Question ID : **81616114250**
Status : **Answered**
Chosen Option : **2**

Q.14 Which of the following places is NOT located on the banks of river Ganga?

Ans ❌ 1. Phaphamau

✅ 2. Hazaribagh

❌ 3. Kanpur

❌ 4. Varanasi

Question ID : **81616114256**
Status : **Answered**
Chosen Option : **1**

Q.15 Who among the following is one of the founder members of Bhartiya Jana Sangh?

Ans ❌ 1. KM Munshi

❌ 2. Baldev Singh

✅ 3. Shyama Prasad Mukherjee

❌ 4. Minoo Masani

Question ID : **81616113054**
Status : **Not Answered**
Chosen Option : **--**

Q.16 As of December 2020, there are _____ official languages of the United Nations.

Ans ❌ 1. 10

❌ 2. 7

✅ 3. 6

❌ 4. 11

Question ID : **81616114265**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Which of the following states became the first one to launch blockchain-enabled solar power trading in December 2020?

Ans   ✗ 1. Karnataka

     ✗ 2. Sikkim

     ✗ 3. Madhya Pradesh

     ✓ 4. Uttar Pradesh

> Question ID : **81616113057**
> Status : **Not Answered**
> Chosen Option : **--**

Q.18 Which of the following companies announced the launch of India's first virtual academy programme Esports Academy?

Ans   ✓ 1. Asus

     ✗ 2. Jio

     ✗ 3. Samsung

     ✗ 4. Dell

> Question ID : **81616113058**
> Status : **Not Answered**
> Chosen Option : **--**

Q.19 Who among the following had invaded India in 712 AD?

Ans   ✗ 1. Muhammad Ghori

     ✗ 2. Mahmud of Ghazni

     ✓ 3. Muhammad Bin-Quasim

     ✗ 4. Qutub-ud-Din Aibak

> Question ID : **81616113049**
> Status : **Answered**
> Chosen Option : **3**

Q.20 _____ is an economic scenario where a peculiar combination of low growth and rising inflation leads to high unemployment.

Ans   ✗ 1. Depreciation

     ✗ 2. Deflation

     ✓ 3. Stagflation

     ✗ 4. Recession

> Question ID : **81616113037**
> Status : **Answered**
> Chosen Option : **4**

Q.21 Coulomb per second is equivalent to _____.

Ans   ✗ 1. ohm

     ✗ 2. volt

     ✔ 3. ampere

     ✗ 4. joule

Question ID : **81616114253**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Force of attraction between molecules of the same substance is called _____.

Ans   ✗ 1. viscosity

     ✔ 2. cohesive force

     ✗ 3. surface tension

     ✗ 4. adhesive force

Question ID : **81616113040**
Status : **Answered**
Chosen Option : **4**

Q.23 Who among the following was the first player from the Indian sub-continent to play for a European Football club (Celtic FC)?

Ans   ✗ 1. Sailen Manna

     ✗ 2. Pradeep Kumar Banerjee

     ✔ 3. Mohammed Salim

     ✗ 4. Neville D'Souza

Question ID : **81616112551**
Status : **Not Answered**
Chosen Option : **--**

Q.24 'Thullal' is a solo satiric dance form belonging to the state of _____.

Ans   ✗ 1. Haryana

     ✔ 2. Kerala

     ✗ 3. Arunachal Pradesh

     ✗ 4. Goa

Question ID : **81616112530**
Status : **Not Answered**
Chosen Option : **--**

Q.25 _____ is a sessile animal, that relies upon its relationship with plants like algae to build the largest structures of biological origin on earth.

Ans
- ✗ 1. Bird
- ✗ 2. Mammal
- ✓ 3. Coral
- ✗ 4. Reptile

Question ID : **81616113043**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 If $a^4 + b^4 + a^2 b^2 = 273$ and $a^2 + b^2 - ab = 21$, then one of the values of $\left(\frac{1}{a} + \frac{1}{b}\right)$ is:

Ans
- ✗ 1. $-\frac{9}{4}$
- ✓ 2. $-\frac{3}{4}$
- ✗ 3. $\frac{9}{8}$
- ✗ 4. $\frac{3}{2}$

Question ID : **81616114285**
Status : **Not Answered**
Chosen Option : **--**

Q.2 A train covers 450 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less to cover the same distance. How much time will it take to cover 315 km at its usual speed?

Ans
- ✗ 1. 7 h 52 m
- ✗ 2. 6 h 30 m
- ✗ 3. 6 h 18 m
- ✓ 4. 7 h

Question ID : **81616112564**
Status : **Not Answered**
Chosen Option : **--**

Q.3 If selling price of 75 articles is equal to cost price of 60 articles, then the approximate loss or gain percent is :

Ans
- ✗ 1. Profit of 25%
- ✗ 2. No profit no loss
- ✗ 3. Loss of 30%
- ✓ 4. Loss of 20%

Question ID : **81616113065**
Status : **Not Answered**
Chosen Option : **--**

Q.4 If p is the third proportional to 3, 9, then what is the fourth proportional to 6, p, 4?

Ans

✗ 1. $\frac{3}{2}$

✗ 2. 10

✔ 3. 18

✗ 4. $2\sqrt{3}$

Question ID : **81616112561**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Let △ ABC ~ △RPQ and $\frac{ar(\triangle ABC)}{ar(\triangle PQR)} = \frac{16}{25}$. If PQ = 4 cm, QR = 6 cm and PR = 7 cm, then AC (in cm) is equal to:

Ans

✗ 1. 6

✔ 2. 4.8

✗ 3. 3.6

✗ 4. 7.2

Question ID : **81616113077**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Study the following table and answer the question:

Number of students Appeared (A) and Passed (P) in an annual examination from four schools Q, R, S & T in five years (2014 to 2018)

School / Year	Q A	Q P	R A	R P	S A	S P	T A	T P
2014	320	240	400	340	420	273	250	225
2015	400	320	380	285	350	280	300	228
2016	440	286	360	288	330	264	320	256
2017	350	252	420	294	380	247	350	315
2018	375	320	450	405	400	344	375	300

The total number of students passed from school S in 2014 and 2017 is what percent of 90% of the total number of students appeared from school T in 2015, 2016 and 2017? (correct to one decimal place)

Ans

✗ 1. 53.9

✗ 2. 54.8

✔ 3. 59.6

✗ 4. 57.4

Question ID : **81616114296**
Status : **Not Answered**
Chosen Option : **--**

Q.7 The sum of 3-digit numbers abc, cab and bca is not divisible by:

Ans

✗ 1. 37

✗ 2. 3

✔ 3. 31

✗ 4. $a + b + c$

Question ID : **81616114272**

Status : **Answered**

Chosen Option : **4**

Q.8 A customer wanted to purchase an item marked for ₹10000. Shopkeeper offered two types of discounts, 25% flat discount or successive discounts of 14% and 12%. Which is the better offer for the customers and by how much?

Ans

✔ 1. first offer by ₹68

✗ 2. second offer by ₹68

✗ 3. first offer by ₹32

✗ 4. second offer by ₹100

Question ID : **81616112558**

Status : **Answered**

Chosen Option : **1**

Q.9 If $\tan\theta + 3\cot\theta - 2\sqrt{3} = 0$, $0° < \theta < 90°$, then what is the value of $(\csc^2\theta + \cos^2\theta)$?

Ans

✗ 1. $\frac{2}{3}$

✔ 2. $\frac{19}{12}$

✗ 3. $\frac{14}{3}$

✗ 4. $\frac{11}{12}$

Question ID : **81616114290**

Status : **Not Answered**

Chosen Option : **--**

Q.10 ABCD is a cyclic quadrilateral such that when sides AB and DC are produced, they meet at E, and sides AD and BC meet at F, when produced. If $\angle ADE = 80°$ and $\angle AED = 50°$, then what is the measure of $\angle AFB$?

Ans

✗ 1. $40°$

✗ 2. $20°$

✗ 3. $50°$

✔ 4. $30°$

Question ID : **81616114287**

Status : **Answered**

Chosen Option : **3**

Q.11 In $\triangle ABC$, right angled at B, if $\cot A = \frac{1}{2}$, then the value of $\frac{\sin A (\cos C + \cos A)}{\cos C (\sin C - \sin A)}$ is

Ans
- ✗ 1. 3
- ✔ 2. -3
- ✗ 3. -2
- ✗ 4. 2

Question ID : **81616113686**
Status : **Not Answered**
Chosen Option : **--**

Q.12 The area of a table top in the shape of an equilateral triangle is $9\sqrt{3}\ cm^2$. What is the length (in cm) of each side of the table?

Ans
- ✔ 1. 6
- ✗ 2. 2
- ✗ 3. 4
- ✗ 4. 3

Question ID : **81616113070**
Status : **Answered**
Chosen Option : **1**

Q.13 Study the following table and answer the question:

Number of students Appeared (A) and Passed (P) in an annual examination from four schools Q, R, S & T in five years (2014 to 2018)

School Year	Q		R		S		T	
	A	P	A	P	A	P	A	P
2014	320	240	400	340	420	273	250	225
2015	400	320	380	285	350	280	300	228
2016	440	286	360	288	330	264	320	256
2017	350	252	420	294	380	247	350	315
2018	375	320	450	405	400	344	375	300

The difference between the average number of students passed from school R in 2015 to 2017 and the number of students passed from school Q in 2015 is x. The value of x lies between:

Ans
- ✗ 1. 20 and 25
- ✗ 2. 35 and 40
- ✔ 3. 30 and 35
- ✗ 4. 25 and 30

Question ID : **81616114294**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Table shows the number of trees planted in 4 cities from 2016 to 2020.

Years	Chandigarh	Ahmadabad	Pune	Kolkata
2016	1800	2500	1800	2000
2017	2500	2300	1850	1800
2018	2300	2400	1840	1760
2019	2440	1950	1900	1600
2020	2250	2100	2000	1750

What is the total number of trees planted in Chandigarh in 2017 and in Kolkata in 2020?

Ans ✗ 1. 4500

✗ 2. 4750

✔ 3. 4250

✗ 4. 3550

Question ID : **81616112375**
Status : **Answered**
Chosen Option : **3**

Q.15 The vertices of a Δ ABC lie on a circle with centre O. AO is produced to meet the circle at the point P. D is a point on BC such that AD ⊥ BC. If ∠ B = 68° and ∠ C = 52°, then the measure of ∠ DAP is:

Ans ✗ 1. 18°

✔ 2. 16°

✗ 3. 12°

✗ 4. 28°

Question ID : **81616113074**
Status : **Not Answered**
Chosen Option : **--**

Q.16 A can complete a work in $11\frac{1}{2}$ days. B is 25% more efficient than A and C is 50% efficient than B. Working together A, B and C will complete the same work

Ans ✗ 1. 5 days

✔ 2. 4 days

✗ 3. 3 days

✗ 4. 8 days

Question ID : **81616114280**
Status : **Answered**
Chosen Option : **4**

Q.17 The average of 23 numbers is 51. The average of first 12 numbers is 49 and the average of last 12 numbers is 54. If the twelfth number is removed, then the average of the remaining numbers (correct to two decimal places) is:

Ans

✗ 1. 53.25

✓ 2. 50.45

✗ 3. 51.75

✗ 4. 52.65

Question ID : **81616113062**
Status : **Answered**
Chosen Option : **2**

Q.18 The total number of students in a school is 1400, out of which 35% of the students are girls and the rest are boys. If 80% of the boys and 90% of the girls passed in an annual examination, then the percentage of the students who failed is:

Ans

✓ 1. 16.5

✗ 2. 21.5

✗ 3. 17.4

✗ 4. 15.8

Question ID : **81616114276**
Status : **Answered**
Chosen Option : **1**

Q.19 If $x + \frac{1}{x} = 7$, then $x^2 + \frac{1}{x^2}$ is equal to:

Ans

✓ 1. 47

✗ 2. 49

✗ 3. 61

✗ 4. 51

Question ID : **81616113071**
Status : **Answered**
Chosen Option : **1**

Q.20 In a triangle ABC, length of the side AC is 4 cm more than 2 times the length of the side AB. Length of the side BC is 4 cm less than the three times the length of the side AB. If the perimeter of $\triangle$ABC is 60 cm, then its area (in cm^2) is:

Ans

✗ 1. 150

✗ 2. 144

✗ 3. 100

✓ 4. 120

Question ID : **81616113076**
Status : **Answered**
Chosen Option : **4**

Q.21 If $2x + 3y + 1 = 0$, then what is the value of $\left(8x^3 + 8 + 27y^3 - 18xy\right)$?

Ans
  ✗ 1. -7
  ✓ 2. 7
  ✗ 3. -9
  ✗ 4. 9

Question ID : **81616112567**
Status : **Answered**
Chosen Option : **2**

Q.22 A sum of ₹9500 amounts to ₹11495 in 2 years at a certain rate percent per annum, interest compounded yearly. What is the simple interest (in ₹) on the same sum for the same time and double the rate?

Ans
  ✗ 1. 3990
  ✗ 2. 3420
  ✗ 3. 4560
  ✓ 4. 3800

Question ID : **81616114279**
Status : **Answered**
Chosen Option : **4**

Q.23 Table shows income (in ₹) received by 4 employees of a company during the month of December 2020 and all their income sources.

Source	Amit	Suresh	Nitin	Varun
Salary	35000	38500	29000	42000
Arrears	6000	6300	5000	7500
Bonus	1000	1100	1000	1240
Overtime	1800	1950	1400	1500

What is the ratio of salary of Varun to his income other than salary?

Ans
  ✗ 1. 128 : 653
  ✗ 2. 653 : 128
  ✗ 3. 128 : 525
  ✓ 4. 525 : 128

Question ID : **81616112377**
Status : **Answered**
Chosen Option : **4**

Q.24

Simplify $\sec^2 \alpha \left(1 + \dfrac{1}{\operatorname{cosec}\alpha}\right)\left(1 - \dfrac{1}{\operatorname{cosec}\alpha}\right)$.

Ans
  ✗ 1. $\tan^4 \alpha$
  ✗ 2. $\sin^2 \alpha$
  ✓ 3. 1
  ✗ 4. -1

Question ID : **81616112675**
Status : **Answered**
Chosen Option : **4**

Q.25 The value of $3\frac{1}{5} \div 4\frac{1}{2}$ of $5\frac{1}{3} - \frac{1}{8} \div \frac{1}{2}$ of $\frac{1}{4} + \frac{1}{4}\left(\frac{1}{2} \div \frac{1}{8} \times \frac{1}{4}\right)$ is :

Ans

✔ 1. $-\frac{37}{60}$

✘ 2. $-\frac{17}{60}$

✘ 3. $\frac{17}{60}$

✘ 4. $\frac{37}{60}$

Question ID : **81616113061**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. "Buy sweet apples, or none at all", he instructed his servant.
B. A rich man sent his servant to an orchard to buy some apples.
C. The servant asked, "How am I to know that all of them are sweet if I taste just one?"
D. The owner of the orchard said to the servant, "All my apples are sweet. Try one."

Ans ✘ 1. ABCD

✔ 2. BADC

✘ 3. BDAC

✘ 4. ACBD

Question ID : **81616112593**
Status : **Not Answered**
Chosen Option : **--**

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

His _____ of the topic was so good that students had few doubts at the end of the class.

Ans ✘ 1. qualification

✘ 2. exhibition

✘ 3. picturisation

✔ 4. exposition

Question ID : **81616113110**
Status : **Not Answered**
Chosen Option : **--**

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

Infirm

Ans ✔ 1. Strong

✘ 2. Weak

✘ 3. Frail

✘ 4. Feeble

Question ID : **81616113101**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Select the most appropriate meaning of the given idiom.

The gift of the gab

Ans ✘ 1. Writes very well

✔ 2. Talks well and persuasively

✘ 3. Loves to give gifts

✘ 4. Used to grabbing others' gifts

Question ID : **81616112599**
Status : **Not Answered**
Chosen Option : **--**

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

Sprightly

Ans ✘ 1. Energetic

✘ 2. Active

✘ 3. Lively

✔ 4. Lethargic

Question ID : **81616112597**
Status : **Not Answered**
Chosen Option : **--**

Q.6 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

The food / in the new eatery / is much best than / the one in RK Puram.

Ans ✘ 1. The food

✔ 2. is much best than

✘ 3. the one in RK Puram

✘ 4. in the new eatery

Question ID : **81616112580**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Select the option that will substitute the underlined part of the given sentence. In case no substitution is needed, select 'No substitution required'.

Japan has made important and original contributions <u>inside some fields like</u> photography and electronics.

Ans   ✗ 1. No substitution required

     ✗ 2. for some field like

     ✔ 3. in some fields like

     ✗ 4. on some field like

Question ID : **81616114301**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Select the most appropriate synonym of the given word.

Leverage

Ans   ✗ 1. Conclusion

     ✗ 2. Weakness

     ✔ 3. Influence

     ✗ 4. Suggestion

Question ID : **81616113100**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Select the option that can be used as a one-word substitute for the given group of words.

A short rest or sleep taken after lunch

Ans   ✗ 1. Slumber

     ✗ 2. Leisure

     ✗ 3. Doze

     ✔ 4. Siesta

Question ID : **81616114317**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'.

<u>A need of an</u> hour is to provide employment to the youth of the country.

Ans   ✗ 1. No improvement required

     ✗ 2. The need in an

     ✔ 3. The need of the

     ✗ 4. The need of an

Question ID : **81616113090**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **Select the INCORRECTLY spelt word.**

Ans   ✗ 1. Haphazard

      ✗ 2. Chandelier

      ✗ 3. Aesthetic

      ✓ 4. Licenced

Question ID : **81616113108**
Status : **Not Answered**
Chosen Option : **--**

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

The lack of regular academic sessions has meant that in 2020 the country has had the _____ share of students who have attended educational institutions.

Ans   ✗ 1. lower

      ✓ 2. lowest

      ✗ 3. low

      ✗ 4. last

Question ID : **81616114321**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **Select the option that expresses the given sentence in reported speech.**

"I live in Mumbai," she said.

Ans   ✗ 1. She said that she has been living in Mumbai.

      ✗ 2. She said that she had been living in Mumbai.

      ✓ 3. She said that she lived in Mumbai.

      ✗ 4. She says that she was living in Mumbai.

Question ID : **81616113088**
Status : **Not Answered**
Chosen Option : **--**

Q.14 **Select the INCORRECTLY spelt word.**

Ans   ✗ 1. Boasting

      ✗ 2. Evidence

      ✓ 3. Overide

      ✗ 4. Ascetic

Question ID : **81616113107**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Select the option that can be used as a one-word substitute for the given group of words.

A corporation made up of a number of different companies that operate in diversified fields

Ans   ✗ 1. Correlation

     ✓ 2. Conglomerate

     ✗ 3. Agreement

     ✗ 4. Association

> Question ID : **81616114318**
> Status : **Not Answered**
> Chosen Option : **--**

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

Feel at sea

Ans   ✓ 1. Feel lost or confused

     ✗ 2. Feel seasick

     ✗ 3. Feel angry

     ✗ 4. Feel comfortable while travelling by water

> Question ID : **81616112598**
> Status : **Not Answered**
> Chosen Option : **--**

Q.17 Select the most appropriate synonym of the given word.

Integrate

Ans   ✗ 1. Distribute

     ✓ 2. Assimilate

     ✗ 3. Disburse

     ✗ 4. Separate

> Question ID : **81616113099**
> Status : **Not Answered**
> Chosen Option : **--**

Q.18 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. It is also a rich source of news updates around the world.
B. Older people and children remain glued to it.
C. It has become a great source of entertainment for all.
D. TV has become a powerful medium these days.

Ans   ✓ 1. DBCA

     ✗ 2. ACBD

     ✗ 3. ABCD

     ✗ 4. BDCA

> Question ID : **81616113097**
> Status : **Not Answered**
> Chosen Option : **--**

Q.19 Select the option that expresses the given sentence in passive voice.

Richard wore a broad belt with shiny buckles.

Ans ✅ 1. A broad belt with shiny buckles was worn by Richard.

❌ 2. A broad belt with shiny buckles had been worn by Richard.

❌ 3. A broad belt with shiny buckles wore Richard.

❌ 4. A broad belt with shiny buckles was wear by Richard.

Question ID : **81616114299**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

The Committee agreed / that small businesses / has been adversely affected / by COVID-19.

Ans ❌ 1. The Committee agreed

❌ 2. that small businesses

✅ 3. has been adversely affected

❌ 4. by COVID-19

Question ID : **81616114298**
Status : **Not Answered**
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.

Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)_____ risk; and it can replenish cells that actually (2)_____ those of a person who has never smoked. The (3)_____ you smoke the more mutations you have. The (4)_____ damage to the cells lining the airway and lungs can (5)_____ to cancers in the lungs, oesophagus, larynx and pharynx.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank no.1.

Ans ❌ 1. impossible

✅ 2. potential

❌ 3. nominal

❌ 4. factual

Question ID : **81616113092**
Status : **Not Answered**
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.

Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)_____ risk; and it can replenish cells that actually (2)_____ those of a person who has never smoked. The (3)_____ you smoke the more mutations you have. The (4)_____ damage to the cells lining the airway and lungs can (5)_____ to cancers in the lungs, oesophagus, larynx and pharynx.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank no.2.

Ans   ✗ 1. disagree

✔ 2. resemble

✗ 3. identify

✗ 4. differ

Question ID : **81616113093**
Status : **Not Answered**
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.

Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)_____ risk; and it can replenish cells that actually (2)_____ those of a person who has never smoked. The (3)_____ you smoke the more mutations you have. The (4)_____ damage to the cells lining the airway and lungs can (5)_____ to cancers in the lungs, oesophagus, larynx and pharynx.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank no.3.

Ans   ✗ 1. many

✗ 2. much

✔ 3. more

✗ 4. most

Question ID : **81616113094**
Status : **Not Answered**
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.

Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)_____ risk; and it can replenish cells that actually (2)_____ those of a person who has never smoked. The (3)_____ you smoke the more mutations you have. The (4)_____ damage to the cells lining the airway and lungs can (5)_____ to cancers in the lungs, oesophagus, larynx and pharynx.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank no.4.

Ans ✗ 1. incomplete

✗ 2. broken

✔ 3. constant

✗ 4. stable

Question ID : **81616113095**
Status : **Not Answered**
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.

Smoking causes mutation in cells leading to cancer. Quitting smoking can help reverse the (1)_____ risk; and it can replenish cells that actually (2)_____ those of a person who has never smoked. The (3)_____ you smoke the more mutations you have. The (4)_____ damage to the cells lining the airway and lungs can (5)_____ to cancers in the lungs, oesophagus, larynx and pharynx.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank no.5.

Ans ✗ 1. seize

✗ 2. direct

✔ 3. lead

✗ 4. guide

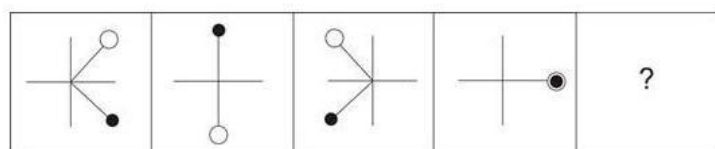Question ID : **81616113096**
Status : **Not Answered**
Chosen Option : **--**

Combined Graduate Level Examination 2020 Tier-I

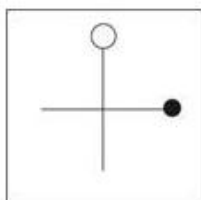| Roll Number	www.exammix.com
Candidate Name	
Venue Name	
Exam Date	24/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section : **General Intelligence and Reasoning**

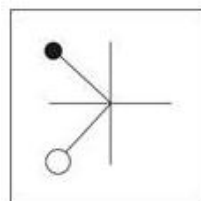**Q.1** Select the figure that will replace the question mark (?) in the following figure series.
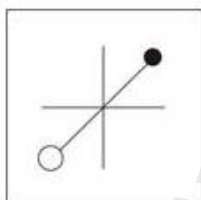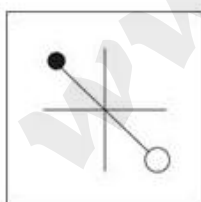

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **81616112624**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Select the correct combination of mathematical signs that can sequentially replace the * signs and make the equation correct.

135 * 15 * 3 * 2 * 13 *16

Ans   ✗ 1. ×, +, =, ÷, −

       ✗ 2. =, ×, +, ÷, −

       ✗ 3. +, ÷, −, =, ×

       ✓ 4. ÷, ×, +, −, =

Question ID : **81616112521**	
Status : **Answered**	
Chosen Option : **4**	

Q.3 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Interchangeable
2. Independent
3. Intentional
4. Interesting
5. Interactive

Ans   ✗ 1. 1, 2, 3, 4, 5

       ✗ 2. 3, 5, 2, 4, 1

       ✗ 3. 2, 5, 1, 4, 3

       ✓ 4. 2, 3, 5, 1,4

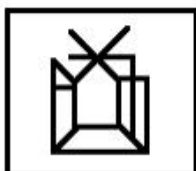|	
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Status : **Answered**	
Chosen Option : **4**	

Q.4 Select the option figure in which the given figure is embedded (rotation is NOT allowed).
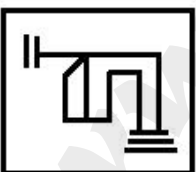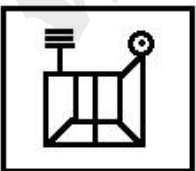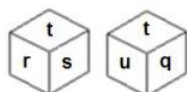

Ans

✓ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **81616112930**	
Status : **Answered**	
Chosen Option : **1**	

Q.5 Two different positions of the same dice are shown, the faces of which are marked with the letters p, q, r, s, t and u.
Select the letter that will be on the face opposite to the face having the letter 'q'.

Ans ✓ 1. s

✗ 2. r

✗ 3. u

✗ 4. p

Question ID : **81616112525**
Status : **Answered**
Chosen Option : **1**

Q.6 In a certain code language, 'ONE' is coded as '15-28-15' and 'TWO' is coded as '20-46-45'. How will 'SIX' be coded in that language?

Ans ✓ 1. 19-18-72

✗ 2. 38-18-48

✗ 3. 38-9-72

✗ 4. 19-9-24

Question ID : **81616112512**
Status : **Answered**
Chosen Option : **1**

Q.7 Select the number-pair in which the two numbers share a different relationship from that shared by the two numbers in the rest of the number-pairs.

Ans ✓ 1. (36, 353)

✗ 2. (64, 729)

✗ 3. (49, 512)

✗ 4. (25, 216)

Question ID : **81616112518**
Status : **Answered**
Chosen Option : **1**

Q.8 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

EXPERIENCE P|Q

Ans ✗ 1. EXꟼEᴙEIИƆƎ

✗ 2. EXꟼEᴙIEИƆƎ

✗ 3. ƎƆИIᴙƎꟼXƎ

✓ 4. ƎƆИƎIᴙƎꟼXƎ

Question ID : **81616112931**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(12, 60, 84)

Ans   ✗ 1. (14, 75, 98)

      ✓ 2. (16, 80, 112)

      ✗ 3. (13, 65, 81)

      ✗ 4. (15, 85, 105)

Question ID : 81616112620
Status : **Answered**
Chosen Option : **2**

Q.10 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ROAD, SMDZ, TKGV, UIJR, ?

Ans   ✗ 1. VHON

      ✓ 2. VGMN

      ✗ 3. VFNM

      ✗ 4. VHNO

Question ID : 81616112909
Status : **Answered**
Chosen Option : **2**

Q.11 In a certain code language, 'RITU' is written as 'WLYX' and 'AMAN' is written as 'FPFQ'. How will 'MIRA' be written in that language?

Ans   ✗ 1. PNWF

      ✓ 2. RLWD

      ✗ 3. PLUD

      ✗ 4. RNWF

Question ID : 81616112612
Status : **Answered**
Chosen Option : **4**

Q.12 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. WRO

      ✗ 2. HDA

      ✗ 3. LHE

      ✗ 4. PLI

Question ID : 81616112608
Status : **Answered**
Chosen Option : **1**

Q.13 Select the option that is related to the third number in the same way as the second number is related to the first number.

9 : 91 : : 13 : ?

Ans   ✔ 1. 183

✗ 2. 99

✗ 3. 132

✗ 4. 203

Question ID : 81616112618

Status : **Answered**

Chosen Option : **1**

Q.14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
All tractors are cars.
Some scooters are cars.
All scooters are cycles.

Conclusions:
I. All scooters are cars.
II. Some cars are cycles.
III. Some tractors are cycles.
IV. Some tractors are scooters.

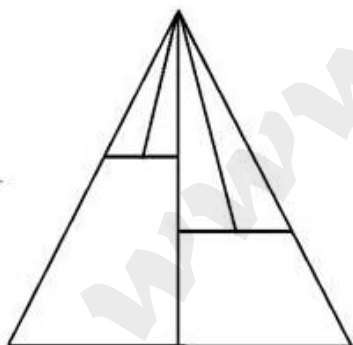Ans   ✗ 1. Both conclusions I and II follow

✔ 2. Only conclusion II follows

✗ 3. Neither conclusion I nor II follows

✗ 4. Only conclusion I follows

Question ID : 81616112616

Status : **Answered**

Chosen Option : **2**

Q.15 How many triangles are there in the given figure?

Ans   ✗ 1. 12

✗ 2. 10

✔ 3. 9

✗ 4. 11

Question ID : 81616112524

Status : **Marked For Review**

Chosen Option : **3**

Q.16 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(59, 118, 295)

Ans ✘ 1. (10, 20, 37)

✘ 2. (9, 20, 25)

✘ 3. (15, 34, 45)

✔ 4. (17, 34, 85)

Question ID : 81616112520
Status : **Answered**
Chosen Option : **4**

Q.17 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

qpl_r_plt_qp_trq_l_r

Ans ✔ 1. t, q, r, l, p, t

✘ 2. q, r, l, t, p, p

✘ 3. q, p, r, t, l, p

✘ 4. p, t, r, q, t, l

Question ID : 81616112917
Status : **Answered**
Chosen Option : **1**

Q.18 In the given diagram, the circle represents 'graduates', the triangle represents 'employed people' and the rectangle represents 'rural folk'. Study the diagram carefully and answer the question that follows.
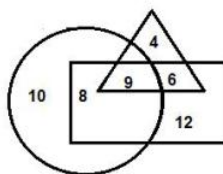
What is the number of rural unemployed graduates?

Ans ✘ 1. 12

✔ 2. 8

✘ 3. 9

✘ 4. 6

Question ID : 81616112630
Status : **Answered**
Chosen Option : **2**

Q.19 Guna is the son of Shyamala. Hemanth is the father of Manu. Guna is married to Deepa. Guna and Manu are siblings. Prathik is the brother of Deepa. Shyamala has only one son. Roshan is the son of Guna. Prathik is the father of Kalki. Jatin is the son of Manu. Prathik has no daughters.

How is Hemanth related to Roshan's father?

Ans ✔ 1. Father

✘ 2. Brother

✘ 3. Brother-in-law

✘ 4. Grandfather

Question ID : 81616112918
Status : **Answered**
Chosen Option : **1**

Q.20 Select the option that is related to the third term in the same way as the second term is related to the first term.

Uttar Pradesh : Allahabad High Court : : Bihar : ?

Ans   ✗ 1. Darbhanga High Court

       ✗ 2. Nalanda High Court

       ✓ 3. Patna High Court

       ✗ 4. Gaya High Court

Question ID : **81616112610**	
Status : **Answered**	
Chosen Option : **3**	

Q.21 Out of three numbers, the ratio of the first and the second numbers is 3 : 4 and the ratio of the second and the third numbers is 5 : 6. If the difference between the first and the third numbers is 1125, find the average of the second and third numbers.

Ans   ✓ 1. 2750

       ✗ 2. 2507

       ✗ 3. 2075

       ✗ 4. 2570

Question ID : **81616112926**	
Status : **Answered**	
Chosen Option : **1**	

Q.22 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

✓ 1.

✗ 2.

✗ 3.

✗ 4.
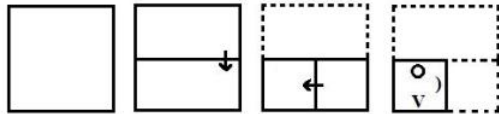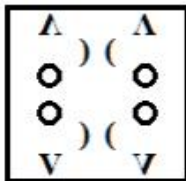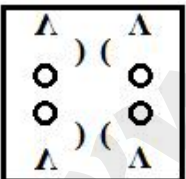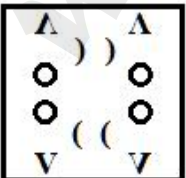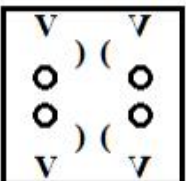
Question ID : **81616112932**	
Status : **Answered**	
Chosen Option : **1**	

Q.23 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

Ans ✔ 1. Plotter

  ✘ 2. Keyboard

  ✘ 3. Webcam

  ✘ 4. Microphone

Question ID : **81616112508**
Status : **Answered**
Chosen Option : **1**

Q.24 Select the option in which the words share the same relationship as that shared by the given pair of words.

Tissues : Histology

Ans ✘ 1. Shells : Ornithology

  ✘ 2. Mountains : Onomatology

  ✘ 3. Insects : Malacology

  ✔ 4. Amphibians : Herpetology

Question ID : **81616112914**
Status : **Answered**
Chosen Option : **2**

Q.25 Select the number from among the given options that can replace the question mark (?) in the following series.

4096, 1024, 256, 64, ?

Ans ✘ 1. 30

  ✔ 2. 16

  ✘ 3. 28

  ✘ 4. 8

Question ID : **81616112617**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 निम्न में से कौन 'सी ऑफ पॉपीज' नामक पुस्तक के लेखक हैं?

Ans ✘ 1. रोहिंटन मिस्त्री

  ✘ 2. विक्रम चंद्रा

  ✔ 3. अमिताव घोष

  ✘ 4. सलमान रुश्दी

Question ID : **81616112647**
Status : **Not Answered**
Chosen Option : **--**

Q.2 स्वामी विवेकानंद ने वर्ष _____ में शिकागो (संयुक्त राज्य अमेरिका) विश्व धर्म सम्मेलन में वेदांतिक दर्शन की सर्वोच्चता का उल्लेख किया था।

Ans   ✗ 1. 1884

　　　　 ✗ 2. 1878

　　　　 ✗ 3. 1898

　　　　 ✓ 4. 1893

Question ID : **81616112646**
Status : **Answered**
Chosen Option : **4**

Q.3 2011 की जनगणना के अनुसार, भारत के निम्न राज्यों में से किसमें, बसे हुए गाँवों की अधिकतम संख्या है?

Ans   ✗ 1. मध्य प्रदेश

　　　　 ✗ 2. ओडिशा

　　　　 ✗ 3. पश्चिम बंगाल

　　　　 ✓ 4. बिहार

Question ID : **81616112642**
Status : **Not Answered**
Chosen Option : **--**

Q.4 निम्न में से कौन-सा पशु मेला हिमाचल प्रदेश राज्य में लगता है?

Ans   ✗ 1. अश्विन मेला

　　　　 ✗ 2. डोंगरी महोत्सव

　　　　 ✓ 3. नलवारी मेला

　　　　 ✗ 4. मणिमहेश मेला

Question ID : **81616112631**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Which of the following is the other name for 'Marsh Gas'?

Ans   ✓ 1. Methane

　　　　 ✗ 2. Ethane

　　　　 ✗ 3. Propane

　　　　 ✗ 4. Butane

Question ID : **81616112635**
Status : **Answered**
Chosen Option : **1**

Q.6 In terms of SI prefixes $10^{(-15)}$ is called:

Ans   ✗ 1. Atto

　　　　 ✗ 2. Zepto

　　　　 ✗ 3. Yocto

　　　　 ✓ 4. Femto

Question ID : **81616112638**
Status : **Not Answered**
Chosen Option : **--**

Q.7 _____ is used to measure the pressure inside the eyes of a person.

Ans ✘ 1. Machmeter

✘ 2. Viscometer

✘ 3. Odometer

✔ 4. Tonometer

Question ID : **81616112636**
Status : **Not Answered**
Chosen Option : **--**

Q.8 The birth anniversary of _____ was observed as 'Rashtriya Ekta Diwas' (National Unity Day) on 31st October 2020.

Ans ✘ 1. Indira Gandhi

✘ 2. Jawaharlal Nehru

✔ 3. Sardar Vallabhbhai Patel

✘ 4. Rajendra Prasad

Question ID : **81616112655**
Status : **Answered**
Chosen Option : **1**

Q.9 A saturated geological unit which can yield water to the wells at a sufficient rate to support a well is called _____.

Ans ✔ 1. aquifer

✘ 2. reservoir

✘ 3. estuary

✘ 4. karst

Question ID : **81616112944**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Who authored the book 'Reporting India: My Seventy-Year Journey as a Journalist'?

Ans ✔ 1. Prem Prakash

✘ 2. Chetan Bhagat

✘ 3. Khushwant Singh

✘ 4. Anjan Sundaram

Question ID : **81616112951**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Hima Das is an Indian _____.

Ans ✔ 1. sprinter

✘ 2. boxer

✘ 3. swimmer

✘ 4. cricketer

Question ID : **81616112652**
Status : **Answered**
Chosen Option : **1**

Q.12 'Chinkara' is a _____ musical instrument popular in the state of Madhya Pradesh.

Ans   ✗ 1. plate

       ✗ 2. wind

       ✔ 3. stringed

       ✗ 4. membrane

Question ID : **81616112531**
Status : **Not Answered**
Chosen Option : **--**

Q.13 In which year were the Fundamental Duties of citizens added to the Constitution of India by the 42nd Amendment?

Ans   ✔ 1. 1976

       ✗ 2. 1964

       ✗ 3. 1950

       ✗ 4. 1982

Question ID : **81616112548**
Status : **Answered**
Chosen Option : **1**

Q.14 Who founded the Vikramshila University and revived the Nalanda University?

Ans   ✔ 1. Dharampala

       ✗ 2. Shri Gupta

       ✗ 3. Gopala

       ✗ 4. Vasudeva

Question ID : **81616112948**
Status : **Answered**
Chosen Option : **1**

Q.15 Who among the following cricketers is a left-arm pace bowler?

Ans   ✗ 1. Bhuvneshwar Kumar

       ✔ 2. Ashish Nehra

       ✗ 3. Umesh Yadav

       ✗ 4. Ishant Sharma

Question ID : **81616112651**
Status : **Not Answered**
Chosen Option : **--**

Q.16 भारत में स्किल इंडिया मिशन की फ्लैगशिप योजना कब शुरू हुई थी?

Ans   ✗ 1. 2010

       ✔ 2. 2015

       ✗ 3. 2008

       ✗ 4. 2019

Question ID : **81616112936**
Status : **Not Answered**
Chosen Option : **--**

Q.17 यशोविग्रह, महीचंद्र और चंद्रदेव _____ राजवंश के पहले तीन शासक थे।

Ans ✔ 1. गहड़वाल

✗ 2. चौहान

✗ 3. मराठा

✗ 4. वाडियार

Question ID : **81616112543**

Status : **Answered**

Chosen Option : **1**

Q.18 When is the National Voters Day observed by the Election Commission of India?

Ans ✗ 1. 26 June

✔ 2. 25 January

✗ 3. 6 May

✗ 4. 15 August

Question ID : **81616112953**

Status : **Answered**

Chosen Option : **2**

Q.19 According to the 2011 Census of India, which of the following is the second most populous state in the country?

Ans ✗ 1. Rajasthan

✔ 2. Maharashtra

✗ 3. Gujarat

✗ 4. Madhya Pradesh

Question ID : **81616112539**

Status : **Answered**

Chosen Option : **2**

Q.20 Ghiyas-ud-din Tughlaq was the governor of _____ during the reign of Ala-ud-din Khilji.

Ans ✗ 1. Rajasthan

✗ 2. Bengal

✗ 3. Kashmir

✔ 4. Punjab

Question ID : **81616112643**

Status : **Not Answered**

Chosen Option : **--**

Q.21 Reserve Bank of India became the first central bank in the world to have more than one million followers on _____ in November 2020.

Ans ✗ 1. Instagram

✗ 2. Snapchat

✗ 3. Facebook

✔ 4. Twitter

Question ID : **81616112653**

Status : **Answered**

Chosen Option : **4**

Q.22 What do you call a proportionate saving in costs gained by an increased level of production?

Ans   ✗ 1. Production function

      ✓ 2. Economies of scale

      ✗ 3. Isocost

      ✗ 4. Isoquant

Question ID : **81616112533**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Who among the following has been appointed as the chairman of the Somnath Temple trust in Gujarat in January 2021?

Ans   ✗ 1. Amit Shah

      ✗ 2. Amitabh Bachchan

      ✗ 3. Rajeev Arora

      ✓ 4. Narendra Modi

Question ID : **81616112957**
Status : **Answered**
Chosen Option : **4**

Q.24 Who among the following developed the Polio vaccine?

Ans   ✗ 1. FG Hopkins

      ✓ 2. Jonas Salk

      ✗ 3. Edward Jenner

      ✗ 4. Robert Koch

Question ID : **81616112942**
Status : **Answered**
Chosen Option : **2**

Q.25 Which of the following is the common name of a natural admixture mineral of zinc carbonate and hydrous zinc silicate?

Ans   ✓ 1. Calamine

      ✗ 2. Chalk

      ✗ 3. Benzol

      ✗ 4. Borax

Question ID : **81616112536**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 Avinash has 20% less coins of different countries than Gaurav has. Gaurav has 40% more such coins than Chetan has. By what percent the number of coins which Chetan has is less than the number of coins which Avinash has? (correct to one decimal place)

Ans   ✓ 1. 10.7

      ✗ 2. 10.6

      ✗ 3. 10.5

      ✗ 4. 12

Question ID : **81616112559**
Status : **Answered**
Chosen Option : **1**

Q.2 If $x - \dfrac{2}{x} = 15$, then what is the value of $\left(x^2 + \dfrac{4}{x^2}\right)$?

Ans ✓ 1. 229

   ✗ 2. 227

   ✗ 3. 221

   ✗ 4. 223

Question ID : **81616112667**
Status : **Answered**
Chosen Option : **1**

Q.3 Simplify the following expression:

$$\frac{7}{12} \div \frac{1}{10} \text{ of } \frac{2}{3} - \frac{5}{3} \times \frac{9}{10} + \frac{5}{8} \div \frac{3}{4} \text{ of } \frac{2}{3}$$

Ans ✓ 1. $8\dfrac{1}{2}$

   ✗ 2. -4

   ✗ 3. $3\dfrac{23}{36}$

   ✗ 4. $7\dfrac{29}{36}$

Question ID : **81616112657**
Status : **Answered**
Chosen Option : **1**

Q.4 The data given in the table shows the number of boys and girls enrolled in three different streams in a school over 5 years.

years	Arts		Science		Commerce	
	Boys	Girls	Boys	Girls	Boys	Girls
2012	48	36	40	35	35	45
2014	42	43	42	32	32	42
2016	45	42	38	30	36	38
2018	39	46	41	23	28	34
2020	36	43	39	30	39	41

What is the ratio of the total number of boys in the year 2014 to the total number of girls in the year 2020?

Ans ✓ 1. 58 : 57

   ✗ 2. 55 : 57

   ✗ 3. 58 : 53

   ✗ 4. 1 : 1

Question ID : **81616112477**
Status : **Answered**
Chosen Option : **1**

Q.5

If $\sin^2\theta = 2\sin\theta - 1$, $0° \leq \theta \leq 90°$, then find the value of: $\dfrac{1+\csc\theta}{1-\cos\theta}$.

Ans　✗ 1.　-2

　　✗ 2.　1

　　✔ 3.　2

　　✗ 4.　-1

> Question ID : **81616112573**
> Status : **Answered**
> Chosen Option : **3**

Q.6

In $\triangle ABC$ and $\triangle DEF$, we have $\dfrac{AB}{DF}=\dfrac{BC}{DE}=\dfrac{AC}{EF}$, then which of the following is true?

Ans　✔ 1.　$\triangle BCA \sim \triangle DEF$

　　✗ 2.　$\triangle DEF \sim \triangle ABC$

　　✗ 3.　$\triangle DEF \sim \triangle BAC$

　　✗ 4.　$\triangle CAB \sim \triangle DEF$

> Question ID : **81616112672**
> Status : **Not Answered**
> Chosen Option : **--**

Q.7　In a circle with centre O, AB is a chord of length 10 cm. Tangents at points A and B intersect outside the circle at P. If OP = 2 OA, then find the length (in cm) of AP.

Ans　✗ 1.　12.5

　　✔ 2.　10

　　✗ 3.　12

　　✗ 4.　15

> Question ID : **81616112570**
> Status : **Not Answered**
> Chosen Option : **--**

Q.8　Monthly salaries of Anil and Kumud are in the ratio 19 : 17. If Anil and Kumud get salary hike of ₹2000 and ₹1000 respectively, then the ratio in their salaries become 8 : 7. What is the present salary of Kumud (in ₹)?

Ans　✗ 1.　38000

　　✗ 2.　18000

　　✔ 3.　34000

　　✗ 4.　35000

> Question ID : **81616112662**
> Status : **Answered**
> Chosen Option : **3**

Q.9 Trader A gives a single discount of 25% and Trader B gives two successive discounts of 20% and 5% on an identical item. If the discount given by A is ₹320 more than the discount given by B, then what is the marked price (in ₹) of the item?

Ans
✗ 1. 3200

✔ 2. 32000

✗ 3. 30000

✗ 4. 25000

Question ID : **81616112659**
Status : **Answered**
Chosen Option : **2**

Q.10 Eighteen men can complete a work in 14 days. Three women do as much work as two men. Five men and six women started the work and continued for 4 days. Subsequently 3 more men joined the group. In how many total days was the work completed?

Ans
✗ 1. $21\frac{1}{3}$

✗ 2. $17\frac{1}{3}$

✗ 3. 18

✔ 4. 22

Question ID : **81616112563**
Status : **Answered**
Chosen Option : **4**

Q.11 The value of $\dfrac{sec^2 60° cos^2 45° + cosec^2 30°}{cot 30° sec^2 45° - cosec^2 30° tan 45°}$ is:

Ans
✔ 1. $-3(2+\sqrt{3})$

✗ 2. $3(2-\sqrt{3})$

✗ 3. $-3(2-\sqrt{3})$

✗ 4. $3(2+\sqrt{3})$

Question ID : **81616113484**
Status : **Answered**
Chosen Option : **1**

Q.12 Simplify the following expression.

$$\frac{5\left(a^6-b^6\right)^3+5\left(b^6-c^6\right)^3+5\left(c^6-a^6\right)^3}{2\left(a^3-b^3\right)^3+2\left(b^3-c^3\right)^3+2\left(c^3-a^3\right)^3}$$

Ans

✗ 1. $\frac{5}{2}\left(a^3+b^3\right)\left(b^3-c^3\right)\left(c^3-a^3\right)$

✗ 2. $\frac{5}{2}\left(a^3-b^3\right)\left(b^3+c^3\right)\left(c^3+a^3\right)$

✗ 3. $\frac{5}{2}\left(a^3-b^3\right)\left(b^3-c^3\right)\left(c^3+a^3\right)$

✔ 4. $\frac{5}{2}\left(a^3+b^3\right)\left(b^3+c^3\right)\left(c^3+a^3\right)$

Question ID : 81616112568
Status : **Answered**
Chosen Option : **4**

Q.13 Atul borrowed a sum of ₹12000 and agreed to repay it by paying ₹4800 at the end of first year and ₹9240 at the end of second year. What is the rate of compound interest compounded annually?

Ans

✔ 1. 10%

✗ 2. 8%

✗ 3. 12%

✗ 4. $\frac{8}{5}$%

Question ID : 81616112562
Status : **Not Answered**
Chosen Option : **--**

Q.14 What is the product of the average of first ten positive odd numbers and the average of first fifteen positive even numbers?
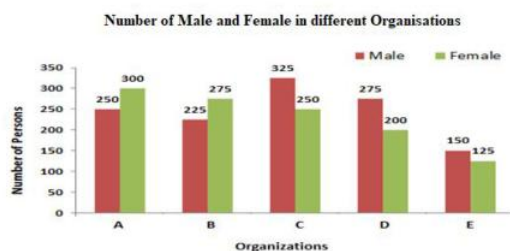
Ans

✗ 1. 44

✗ 2. 150

✔ 3. 160

✗ 4. 85.25

Question ID : 81616112961
Status : **Answered**
Chosen Option : **3**

Q.15 Bar graph shows the number of males and females in five organizations A, B, C, D and E.

Number of Male and Female in different Organisations

What is the ratio of number of males working in organizations C, D and E taken together to that of females working in organizations A, B and C taken together?

Ans   ✔ 1. 10 : 11

   ✘ 2. 49 : 46

   ✘ 3. 11 : 10

   ✘ 4. 46 : 49

Question ID : **81616113485**
Status : **Answered**
Chosen Option : **1**

Q.16 A shop keeper sold an article at four-fifth of the marked price and suffered a loss of $3\frac{1}{3}$%. Find the profit percent, if he sold the article at the marked price. (correct to nearest integer)

Ans   ✘ 1. 22

   ✘ 2. 18

   ✔ 3. 21

   ✘ 4. 20

Question ID : **81616112661**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Points A, B and C are on a circle with centre O such that ∠BOC = 84°. If AC is produced to a point D such that ∠BDC = 40°, then find the measure of ∠ABD (in degrees).

Ans   ✔ 1. 98

   ✘ 2. 92

   ✘ 3. 56

   ✘ 4. 102

Question ID : **81616112973**
Status : **Answered**
Chosen Option : **1**

Q.18 A man walking at a speed of 3km/h crosses a square field diagonally in 5 minutes. What is the area of the field (in m²)?

Ans   ✔ 1. 31250

   ✘ 2. 3125

   ✘ 3. 312.5

   ✘ 4. 3.125

Question ID : **81616112969**
Status : **Answered**
Chosen Option : **1**

Q.19 If $y = 2x + 1$, then what is the value of $(8x^3 - y^3 + 6xy)$?

Ans   ✗ 1. 1

       ✓ 2. -1

       ✗ 3. 15
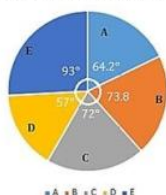
       ✗ 4. -15

Question ID : **81616112668**
Status : **Answered**
Chosen Option : **2**

Q.20 The pie graph shows the distribution of employees working in five departments A, B, C, D and E of a company.

Total number of employees = 9000

Distribution (degree wise) of the employees working in five
departments A,B,C,D and E in a company

■ A ■ B ■ C ■ D ■ E

If the number of employees working in department A is x and the total number of employees working in departments C and E is y, then the value of y-2x is:

Ans   ✗ 1. 725

       ✗ 2. 850

       ✗ 3. 1000

       ✓ 4. 915

Question ID : **81616113487**
Status : **Answered**
Chosen Option : **4**

Q.21 Places A and B are 45 km apart from each other. A car starts from place A and another car starts from place B at the same time. If they move in the same direction, they meet in 4 and a half hour and if they move towards each other, they meet in 27 minutes. What is the speed (in km/h) of the car which moves faster?

Ans   ✗ 1. 56

       ✓ 2. 55

       ✗ 3. 45

       ✗ 4. 50

Question ID : **81616112665**
Status : **Answered**
Chosen Option : **2**

Q.22 Points M and N are on the sides PQ and QR respectively of a triangle PQR, right angled at Q. If PN = 9 cm, MR = 7 cm, and MN = 3 cm, then find the length of PR (in cm).

Ans   ✓ 1. 11

       ✗ 2. 13

       ✗ 3. 12

       ✗ 4. $\sqrt{41}$

Question ID : **81616112976**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Find the sum of all the possible values of $(a + b)$, so that the number $4a067b$ is divisible by 11.

Ans
✔ 1. 21
✘ 2. 11
✘ 3. 16
✘ 4. 5

> Question ID : **81616112555**
> Status : **Answered**
> Chosen Option : **3**

Q.24 Find the value of $\sin^2 60° + \cos^2 30° - \sin^2 45° - 3\sin^2 90°$.

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

> Question ID : **81616112575**
> Status : **Answered**
> Chosen Option : **4**

Q.25 The bar graph given below shows the sales of Newspapers (in lakh number) from six branches of a Media Publication Company during two consecutive years 2017 and 2018.

(Note: The data shown below is only for mathematical exercise. They do not represent the actual figures).

Sales of Newspapers (in thousand numbers) from Six Branches - P, Q, R, S, T and U of a Media Publishing Company in 2017 and 2018.
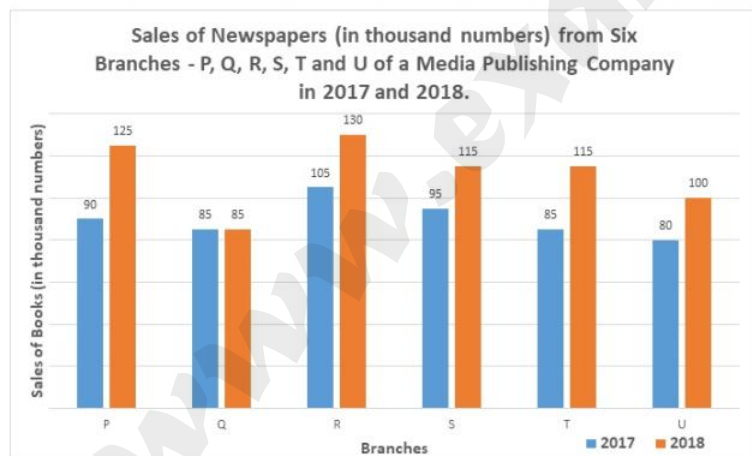
Total Sales of U for both the years is what percent (correct to one place of decimal) of the combined Sales of the branches Q and R for 2017 and 2018?

Ans
✘ 1. 48.6%
✘ 2. 67.1%
✔ 3. 44.4%
✘ 4. 41.0%

> Question ID : **81616112475**
> Status : **Answered**
> Chosen Option : **3**

Section : **English Comprehension**

Q.1 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'.

Bats huddle together to get <u>warm of</u> each other's body.

Ans ✗ 1. warm off

✗ 2. No improvement required

✓ 3. warmth from

✗ 4. warming from

Question ID : **81616112989**

Status : **Answered**

Chosen Option : **3**

Q.2 Select the most appropriate meaning of the given idiom.

Twiddling one's thumbs

Ans ✗ 1. Feeling angry

✗ 2. Feeling sad

✗ 3. Feeling hungry

✓ 4. Feeling bored

Question ID : **81616112700**

Status : **Answered**

Chosen Option : **3**

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

Abstain

Ans ✓ 1. Refrain

✗ 2. Reduce

✗ 3. Propose

✗ 4. Accept

Question ID : **81616112998**

Status : **Answered**

Chosen Option : **1**

Q.4 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

All those students / who are participating / in the play / have been notify / to stay back for rehearsal / after 3:00 p.m.

Ans ✗ 1. after 3:00 p.m.

✗ 2. to stay back for rehearsal

✓ 3. have been notify

✗ 4. who are participating

Question ID : **81616112581**

Status : **Answered**

Chosen Option : **3**

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

Barbaric

Ans   ✔ 1. Civilised

     ✘ 2. Cruel

     ✘ 3. Inhuman

     ✘ 4. Brutal

Question ID : **81616112698**
Status : **Answered**
Chosen Option : **1**

Q.6 Select the INCORRECTLY spelt word.

Ans   ✘ 1. Plough

     ✘ 2. Playful

     ✘ 3. Plagiarise

     ✔ 4. Playright

Question ID : **81616112704**
Status : **Answered**
Chosen Option : **3**

Q.7 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

The news <u>are true</u>.

Ans   ✘ 1. are being true

     ✘ 2. No substitution

     ✘ 3. is being true

     ✔ 4. is true

Question ID : **81616112584**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the most appropriate meaning of the given idiom.

Out of the blue

Ans   ✘ 1. Beat someone black and blue

     ✘ 2. Loves to wear only blue colour clothes

     ✔ 3. Completely unexpectedly

     ✘ 4. Completely honestly

Question ID : **81616112699**
Status : **Answered**
Chosen Option : **3**

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

It was _____ to everyone present that the patient would not survive if immediate help was not received.

Ans ✔ 1. apparent

✘ 2. unnoticed

✘ 3. hidden

✘ 4. unseen

Question ID : **81616113009**

Status : **Answered**

Chosen Option : **1**

Q.10 Select the option that can be used as a one-word substitute for the given group of words.

An examination of a dead body to determine the cause of death

Ans ✘ 1. Suicide

✔ 2. Post-mortem

✘ 3. Analysis

✘ 4. Homicide

Question ID : **81616112601**

Status : **Answered**

Chosen Option : **2**

Q.11 Select the most appropriate synonym of the given word.

Cadence

Ans ✘ 1. Pleasure

✘ 2. Freshness

✘ 3. Habit

✔ 4. Rhythm

Question ID : **81616112999**

Status : **Answered**

Chosen Option : **4**

Q.12 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

After entering the town, / go straight and then / take a sharpest turn / towards your left / to reach the mall.

Ans ✔ 1. take a sharpest turn

✘ 2. After entering the town

✘ 3. towards your left

✘ 4. to reach the mall

Question ID : **81616112681**

Status : **Answered**

Chosen Option : **2**

Q.13 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. Shopkeeper: "Not at all. It is hardly a two-minute walk from here."
B. Boy: "Can you please show me the way to the post office?"
C. Shopkeeper: "Go straight from here and take a right turn."
D. Boy: "Is it very far off from here?"

Ans ✗ 1. BADC

✔ 2. BCDA

✗ 3. DCBA

✗ 4. CDAB

Question ID : 81616112693
Status : **Answered**
Chosen Option : **2**

Q.14 Select the INCORRECTLY spelt word.

Ans ✗ 1. Nephew

✗ 2. Cousin

✔ 3. Neice

✗ 4. Uncle

Question ID : 81616112703
Status : **Answered**
Chosen Option : **3**

Q.15 Select the option that expresses the given sentence in active voice.

I was given a robot by him.

Ans ✗ 1. A robot was given to me by him.

✔ 2. He gave me a robot.

✗ 3. A robot by him was given to I.

✗ 4. A robot by him was given to me.

Question ID : 81616112582
Status : **Answered**
Chosen Option : **2**

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

Delight

Ans ✔ 1. Sorrow

✗ 2. Pleasure

✗ 3. Glee

✗ 4. Joy

Question ID : 81616112697
Status : **Answered**
Chosen Option : **1**

Q.17 **Select the option that expresses the given sentence in reported speech.**

He said to me, "It was raining all day."

Ans   ✔ 1. He told me that it had been raining all day.

     ✘ 2. He told me it is raining all day.

     ✘ 3. He told me it has been raining all day.

     ✘ 4. He told me it was raining all day.

Question ID : **81616112987**
Status : **Answered**
Chosen Option : **1**

Q.18 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.**

A. Ram introduced Shyam to everyone and then served snacks to them.
B. After he cut the cake, all of them danced for a long time.
C. When Shyam reached his house, his classmates had already arrived.
D. Ram invited his friend Shyam on his birthday.

Ans   ✔ 1. DCAB

     ✘ 2. DBAC

     ✘ 3. ABCD

     ✘ 4. ACDB

Question ID : **81616112694**
Status : **Answered**
Chosen Option : **1**

Q.19 **Select the most appropriate option to fill in the blank.**

Crowds of tourists _____ across the square all day long.

Ans   ✘ 1. rectified

     ✘ 2. prodded

     ✔ 3. flowed

     ✘ 4. maintained

Question ID : **81616112604**
Status : **Answered**
Chosen Option : **2**

Q.20 **Select the option that can be used as a one-word substitute for the given group of words.**

A person who presents a radio/television programme

Ans   ✘ 1. Comedian

     ✘ 2. Choreographer

     ✘ 3. Actor

     ✔ 4. Anchor

Question ID : **81616112600**
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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 21

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

Ans ✗ 1. off

   ✔ 2. by

   ✗ 3. about

   ✗ 4. from

Question ID : **81616112688**
Status : **Answered**
Chosen Option : **2**

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 22

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

Ans ✗ 1. better

   ✗ 2. best

   ✔ 3. good

   ✗ 4. richer

Question ID : **81616112689**
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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 23

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

Ans ✗ 1. plant

   ✗ 2. plaintive

   ✔ 3. paint

   ✗ 4. painted

Question ID : **81616112690**
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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 24

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

Ans ✗ 1. socialize

✗ 2. sanctify

✓ 3. specialize

✗ 4. synthesize

> Question ID : 81616112691
> Status : **Answered**
> Chosen Option : **2**

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 25

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

Ans ✓ 1. duplicating

✗ 2. dominating

✗ 3. doubting

✗ 4. doubling

> Question ID : 81616112692
> Status : **Answered**
> Chosen Option : **2**

Combined Graduate Level Examination 2020 Tier-I

Roll Number	www.exammix.com
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Venue Name	
Exam Date	24/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Section : **General Intelligence and Reasoning**

Q.1 Select the option that is related to the third word in the same way as the second word is related to the first word.

Libya : Tripoli : : Ireland : ?

Ans ✗ 1. Moscow

    ✓ 2. Dublin

    ✗ 3. Oslo

    ✗ 4. Madrid

Question ID : **81616112812**
Status : **Answered**
Chosen Option : **2**

Q.2 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 : **81616112826**
Status : **Answered**
Chosen Option : **4**

Q.3 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

dq_pln_qt_lnd_tpl_dq_p_n

Ans ✅ 1. t, d, p, q, n, t, l

    ❌ 2. t, p, d, q, l, n, t

    ❌ 3. d, l, n, p, q, t, t

    ❌ 4. t, t, q, p, n, l, d

Question ID : **81616112816**
Status : **Answered**
Chosen Option : **1**

Q.4 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

23 32 16
3 4 5
72 132 ?

Ans ✅ 1. 85

    ❌ 2. 80

    ❌ 3. 88

    ❌ 4. 162

Question ID : **81616113227**
Status : **Answered**
Chosen Option : **1**

Q.5 Select the option that is related to the fourth number in the same way as the first number is related to the second number.

21 : 693 :: ? : 792

Ans ❌ 1. 36

    ❌ 2. 26

    ✅ 3. 24

    ❌ 4. 22

Question ID : **81616113628**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.6 In a certain code language, 'MONTHLY' is written as 'DGMOSJR'. How will 'HEADING' be written in that language?

Ans ❌ 1. MJNZEXN

    ❌ 2. MNJEZNX

    ✅ 3. LINYFZM

    ❌ 4. LIYNZFM

Question ID : **81616113622**
Status : **Answered**
Chosen Option : **3**

Q.7 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. 8 : 34

✓ 2. 5 : 24

✗ 3. 6 : 26

✗ 4. 7 : 30

Question ID : **81616113225**

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

Chosen Option : **--**

Q.8 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

Ans ✗ 1. Taunt

✗ 2. Snub

✓ 3. Regard

✗ 4. Abuse

Question ID : **81616113215**

Status : **Answered**

Chosen Option : **3**

Q.9 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

512 * 32 * 9 * 100 * 6 * 25 * 2

Ans ✗ 1. ÷, ×, +, =, −, ×

✗ 2. ÷, ×, +, −, =, ×

✓ 3. ÷, ×, −, +, =, ×

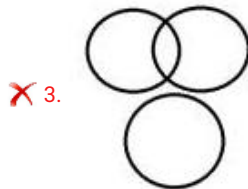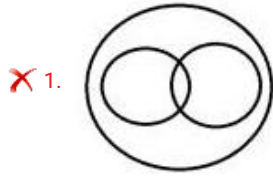✗ 4. +, ×, ÷, =, −, ×

Question ID : **81616113228**

Status : **Answered**

Chosen Option : **3**

Q.10 Select the Venn diagram that best illustrates the relationship between the following classes.

Men, Lyricists, Extroverts

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **81616113640**
Status : **Answered**
Chosen Option : **2**

Q.11 The income of three playback singers Aswath, Sunita and Ramdin are in the ratio of 12 : 9 : 7 and their expenditures are in the ratio 15 : 9 : 8. If Aswath saves 25% of his income, what is the ratio of the savings of Aswath, Sunita and Ramdin?

Ans ✗ 1. 23 : 18 : 11

✗ 2. 25 : 16 : 13

✔ 3. 15 : 18 : 11

✗ 4. 5 : 8 : 7

Question ID : **81616112825**
Status : **Answered**
Chosen Option : **3**

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

CLAP, HLVP, HQVK, MQQK, ?

Ans   ✗ 1. MLQP

       ✗ 2. RQLK

       ✗ 3. HQVK

       ✓ 4. MVQF

Question ID : **81616112808**

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

Chosen Option : **--**

Q.13 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the statements.

Statements:
All lemons are plums.
All plums are dates.
Some dates are mangoes.

Conclusions:
I. Some lemons are mangoes.
II. Some mangoes are plums.
III. All lemons are dates.
**IV. Some mangoes are dates.**

Ans   ✓ 1. Both conclusions III and IV follow

       ✗ 2. Only conclusions II and III follow

       ✗ 3. Only conclusions I and II follow

       ✗ 4. Only conclusions I and IV follow

Question ID : **81616113626**

Status : **Answered**

Chosen Option : **1**

Q.14 Three different positions of the same dice are shown, the faces of which are marked with the letters L, M, N, O, P and Q. Select the letter that will be on the face opposite to the face having the letter 'M'.
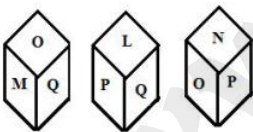
Ans   ✓ 1. P

       ✗ 2. Q

       ✗ 3. L

       ✗ 4. N

Question ID : **81616113232**

Status : **Answered**

Chosen Option : **1**

Q.15 Pointing to a girl in a college poster, Deepika said, "She is my mother-in-law's only son's niece". How is that girl's mother related to Deepika?

Ans ✗ 1. Sister

✓ 2. Sister-in-law

✗ 3. Daughter-in-law

✗ 4. Cousin

Question ID : **81616112817**

Status : **Answered**

Chosen Option : **2**

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

45 9 3
122 10 12
116 6 ?

Ans ✗ 1. 12

✗ 2. 16

✗ 3. 10

✓ 4. 14

Question ID : **81616113630**

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

Chosen Option : **--**

Q.17 Find the number of triangles in the given figure.

Ans ✗ 1. 17

✗ 2. 13

✓ 3. 19

✗ 4. 15

Question ID : **81616113231**

Status : **Marked For Review**

Chosen Option : **1**

Q.18 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

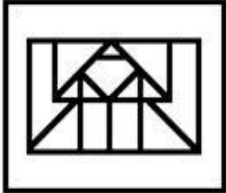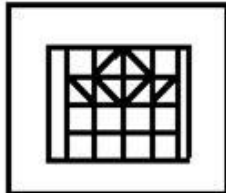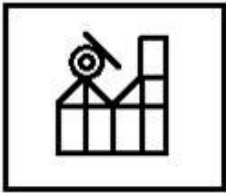✗ 2.

✓ 3.

✗ 4.

Question ID : **81616112829**
Status : **Answered**
Chosen Option : **3**

Q.19 Select the option in which the words share the same relationship as that shared by the given pair of words.

Golf : Course

Ans ✗ 1. Ring : Boxing

✗ 2. Judo : Arena

✓ 3. Cycling : Velodrome

✗ 4. Baseball : Rink

Question ID : **81616112813**
Status : **Answered**
Chosen Option : **2**

Q.20 In a certain code language, 'LABOUR' is coded as '279', and 'EXHALE' is coded as '321'. How will 'CAUTIOUS' be coded in that language?

Ans ✓ 1. 535

✗ 2. 525

✗ 3. 553

✗ 4. 552

Question ID : **81616113219**

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

Chosen Option : **--**

Q.21 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PROTECTION| P
          | Q

Ans ✓ 1. ИOITƆƎTOЯꟼ

✗ 2. ИOTIƆƎꟼЯꟼ

✗ 3. ꟼЯOITƆƎꟼ ИOITƆ

✗ 4. ꟼЯOITƆƎꟼIOИ

Question ID : **81616112830**

Status : **Answered**

Chosen Option : **1**

Q.22 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

✗ 1.

✗ 2.

✗ 3.

✔ 4.
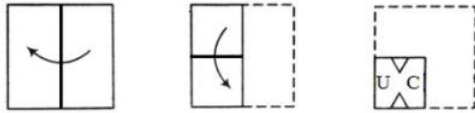
Question ID : 81616112831
Status : **Answered**
Chosen Option : **4**

Q.23 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Publicity
2. Precision
3. Puberty
4. Pneumonia
5. Perturb

Ans

✗ 1. 5, 3, 2, 4, 1

✗ 2. 5, 4, 2, 1, 3

✔ 3. 5, 4, 2, 3, 1

✗ 4. 5, 2, 4, 1, 3

Question ID : 81616112809
Status : **Answered**
Chosen Option : **3**

Q.24 Select the number from among the given options that can replace the question mark (?) in the following series.

68, 3, 63, 3, 57, 9, 50, 15, 42, 33, 33, ?

Ans ✔ 1. 63

✘ 2. 66

✘ 3. 33

✘ 4. 36

Question ID : **81616112819**

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

Chosen Option : **--**

Q.25 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. GKPV

✔ 2. NRIP

✘ 3. RVEK

✘ 4. CGTZ

Question ID : **81616112810**

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

Chosen Option : **--**

Section : **General Awareness**

Q.1 Which of the following pairs of cities became a part of UNESCO's Creative Cities Network in 2019?

Ans ✘ 1. Jaipur and Delhi

✔ 2. Mumbai and Hyderabad

✘ 3. Kolkata and Ujjain

✘ 4. Chennai and Varanasi

Question ID : **81616113641**

Status : **Not Answered**

Chosen Option : **--**

Q.2 In which of the following years did the Kakori Conspiracy case take place?

Ans ✘ 1. 1932

✔ 2. 1925

✘ 3. 1919

✘ 4. 1909

Question ID : **81616113250**

Status : **Answered**

Chosen Option : **2**

Q.3 Who among the following was appointed as the Chairman of Telecom Equipment and Services Export Promotion Council (TEPC) in January 2021?

Ans ✗ 1. Shyamal Ghosh

✓ 2. Sandeep Aggarwal

✗ 3. Sukhbir Singh Sandhu

✗ 4. S Muralidhar

Question ID : **81616112855**
Status : **Answered**
Chosen Option : **2**

Q.4 In which of the following years was the first rocket launched in India?

Ans ✓ 1. 1963

✗ 2. 1977

✗ 3. 1948

✗ 4. 1973

Question ID : **81616113243**
Status : **Marked For Review**
Chosen Option : **2**

Q.5 Who among the following was appointed as the Managing Director of Life Insurance Corporation in February 2021?

Ans ✗ 1. TC Susheel Kumar

✗ 2. Rajeev Arora

✗ 3. Pankaj Jain

✓ 4. Siddhartha Mohanty

Question ID : **81616113240**
Status : **Answered**
Chosen Option : **4**

Q.6 Which phenomenon deals with the scattering of light by molecules of a medium when they are excited to vibrational energy levels?

Ans ✗ 1. Rayleigh Effect

✗ 2. Huygens Effect

✓ 3. Raman Effect

✗ 4. Maxwell Effect

Question ID : **81616113645**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Who among the following cricketers is the brand ambassador of Jindal South West (JSW) Steel as of January 2021?

Ans ✅ 1. Rishabh Pant

❌ 2. MS Dhoni

❌ 3. Rohit Sharma

❌ 4. Virat Kohli

Question ID : **81616112853**

Status : **Not Answered**

Chosen Option : **--**

Q.8 In how many districts across all the states of India was the third phase of 'Pradhan Mantri Kaushal Vikas Yojana' launched in January 2021?

Ans ❌ 1. 189

✅ 2. 600

❌ 3. 567

❌ 4. 409

Question ID : **81616112856**

Status : **Not Answered**

Chosen Option : **--**

Q.9 In which year was 'Target Olympic Podium Scheme' ('TOPS') formulated by the Ministry of Youth Affairs and Sports?

Ans ❌ 1. 2013

❌ 2. 2015

✅ 3. 2014

❌ 4. 2016

Question ID : **81616113662**

Status : **Not Answered**

Chosen Option : **--**

Q.10 The scientific study of dreams is called _____.

Ans ✅ 1. oneirology

❌ 2. morphology

❌ 3. entomology

❌ 4. kalology

Question ID : **81616112838**

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

Chosen Option : **--**

Q.11 According to which of the following Articles of the Constitution of India can the Parliament amend the Constitution?

Ans ✔ 1. Article 368

✘ 2. Article 103

✘ 3. Article 129

✘ 4. Article 234

Question ID : **81616112852**
Status : **Answered**
Chosen Option : **1**

Q.12 A channel of canal where water flows under the influence of gravity is called _____.

Ans ✘ 1. lift channel

✘ 2. warabandi system

✘ 3. command area

✔ 4. flow channel

Question ID : **81616112843**
Status : **Answered**
Chosen Option : **4**

Q.13 Which of the following is the only floating national park in India and the world?

Ans ✘ 1. Balpakram National Park

✔ 2. Keibul Lamjao National Park

✘ 3. Nagarhole National Park

✘ 4. Gugamal National Park

Question ID : **81616113246**
Status : **Answered**
Chosen Option : **2**

Q.14 Which of the following Articles of the Constitution of India states that there would be no tax levied or collected EXCEPT by the authority of law?

Ans ✘ 1. Article 301

✘ 2. Article 123

✔ 3. Article 265

✘ 4. Article 107

Question ID : **81616113255**
Status : **Not Answered**
Chosen Option : **--**

Q.15 All monetary transfers or kinds sent by migrants to their place of origin are called _____.

Ans ✗ 1. drafts

✓ 2. remittances

✗ 3. bills

✗ 4. payments

Question ID : **81616112835**
Status : **Answered**
Chosen Option : **1**

Q.16 Terrace farming is done on which of the following types of land?

Ans ✗ 1. Plains

✗ 2. Deserts

✓ 3. Hills

✗ 4. Forests

Question ID : **81616112844**
Status : **Answered**
Chosen Option : **3**

Q.17 On which of the following dates has the Government of India decided to commemorate the birth anniversary of Subash Chandra Bose as 'Parakram Diwas'?

Ans ✗ 1. 7 June

✗ 2. 12 March

✗ 3. 5 May

✓ 4. 23 January

Question ID : **81616112857**
Status : **Answered**
Chosen Option : **4**

Q.18 The Periodic Law as we know it today owes its development to:

Ans ✗ 1. JJ Thomson

✗ 2. Niels Bohr

✗ 3. Ernest Rutherford

✓ 4. Dmitri Mendeleev

Question ID : **81616113648**
Status : **Answered**
Chosen Option : **4**

Q.19 Who wrote Samudragupta's prashasti (a eulogy written in the form of poetry or prose, usually by court poets) at Allahabad?

Ans   ✗ 1. Vagabhatta

  ✓ 2. Harishena

  ✗ 3. Amarsimha

  ✗ 4. Kalidasa

Question ID : **81616113656**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Which of the following gases is naturally formed via the anaerobic decay of phosphorus containing organic matter?

Ans   ✗ 1. Perchloryl fluoride

  ✗ 2. Phosphorus pentafluoride

  ✓ 3. Phosphine

  ✗ 4. Phosgene

Question ID : **81616112841**
Status : **Answered**
Chosen Option : **3**

Q.21 Who among the following authored 'Poverty and Un-British Rule in India'?

Ans   ✗ 1. Rabindranath Tagore

  ✓ 2. Dadabhai Naoroji

  ✗ 3. Mahatma Gandhi

  ✗ 4. Jawaharlal Nehru

Question ID : **81616112847**
Status : **Answered**
Chosen Option : **4**

Q.22 Who among the following was appointed as the first woman Chairperson of BCCC (Broadcasting Content Complaints Council) by IBF (Indian Broadcasting Foundation)?

Ans   ✗ 1. Chitra Ramakrishna

  ✗ 2. Indra Nooyi

  ✗ 3. Kiran Mazumdar

  ✓ 4. Gita Mittal

Question ID : **81616112850**
Status : **Answered**
Chosen Option : **4**

Q.23 The 'Hemis Festival' is celebrated in Ladakh on the 10th day of the Tibetan Lunar month. To which of the following lords is the festival dedicated?

Ans ✗ 1. Lord Ganesha

✓ 2. Lord Padmasambhava

✗ 3. Lord Shiva

✗ 4. Lord Vishnu

Question ID : **81616113238**
Status : **Answered**
Chosen Option : **2**

Q.24 Who among the following wrote the non-fiction 'The Paradoxical Prime Minister: Narendra Modi and His India'?

Ans ✗ 1. Arundhati Roy

✗ 2. Salman Rushdie

✗ 3. Chetan Bhagat

✓ 4. Shashi Tharoor

Question ID : **81616112849**
Status : **Answered**
Chosen Option : **4**

Q.25 Who authored 'Akbarnama'?

Ans ✓ 1. Abul Fazl

✗ 2. Abdus Samad

✗ 3. Faizi

✗ 4. Abdul Latif

Question ID : **81616113653**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 Table shows District-wise data of number of primary school teachers posted in schools of a city.

Study the table and answer the question:

District	Male teachers	Female teachers
East	1650	2375
North	1075	2651
West	1280	1520
South	1170	1085
Central	690	859

What is the difference between the total number of male teachers in the districts East, North, West taken together and the total number of female teachers in the districts East and South?

Ans

✗ 1. 735

✗ 2. 771

✗ 3. 110

✓ 4. 545

Question ID : **81616112980**
Status : **Answered**
Chosen Option : **4**

Q.2 If $x^4 - 62x^2 + 1 = 0$, where $x > 0$, then the value of $x^3 + x^{-3}$ is:

Ans

✗ 1. 500

✗ 2. 512

✓ 3. 488

✗ 4. 364

Question ID : **81616113678**
Status : **Answered**
Chosen Option : **3**

Q.3 Given that $x^8 - 34x^4 + 1 = 0$, x>0. What is the value of $(x^3 - x^{-3})$?

Ans

✓ 1. 14

✗ 2. 12

✗ 3. 18

✗ 4. 16

Question ID : **81616113275**
Status : **Answered**
Chosen Option : **1**

Q.4 If $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta} = 5$, then the value of $\frac{4\sin^2\theta + 3}{2\cos^2\theta + 2}$ is:

Ans

✗ 1. $\frac{75}{17}$

✔ 2. $\frac{75}{34}$

✗ 3. $\frac{1}{2}$

✗ 4. $\frac{3}{2}$

Question ID : **81616113585**
Status : **Answered**
Chosen Option : **2**

Q.5 In a circle with centre O, points A, B, C and D in this order are concyclic such that BD is a diameter of the circle. If $\angle BAC = 22°$, then find the measure (in degrees) of $\angle COD$.

Ans

✗ 1. 79

✔ 2. 136

✗ 3. 158

✗ 4. 68

Question ID : **81616112872**
Status : **Answered**
Chosen Option : **2**

Q.6 What is the coefficient of x^2 in the expansion of $\left(5 - \frac{x^2}{3}\right)^3$?

Ans

✔ 1. -25

✗ 2. $-\frac{25}{3}$

✗ 3. 25

✗ 4. $-\frac{5}{3}$

Question ID : **81616112869**
Status : **Answered**
Chosen Option : **3**

Q.7 A shopkeeper marks an article at a price such that after giving a discount of x%, he gains 20%. If the cost price and the marked price of the article are ₹920 and ₹1472 respectively, then what is the value of x?

Ans

✗ 1. 18

✗ 2. 30

✗ 3. 20

✔ 4. 25

Question ID : **81616113669**
Status : **Answered**
Chosen Option : **4**

Q.8 In the table, the production and the sale (in 1000 tonnes) of a certain product of a company over 5 years is given.

years	Production (in 1000 tonnes)	Sale (in 1000 tonnes)
2015	1250	1000
2016	1400	1290
2017	1450	1100
2018	1500	1450
2019	1600	1390

In which year(s) the production increases by more than 10% of that in the previous year?

Ans

✗ 1. 2018, 2019

✗ 2. 2017, 2018

✗ 3. 2019

✔ 4. 2016

Question ID : **81616112982**
Status : **Answered**
Chosen Option : **4**

Q.9

Simplify: $\dfrac{(sin\,\theta + sec\theta)^2 + (cos\,\theta + cosec\theta)^2}{(1 + sec\theta\,cosec\theta)^2}, 0° < \theta < 90°$

Ans

✗ 1. 0

✔ 2. 1

✗ 3. -1

✗ 4. 2

Question ID : **81616112574**
Status : **Answered**
Chosen Option : **2**

Q.10 Triangle ABC is right angled at B and D is a point of BC such that BD = 5 cm, AD = 13 cm and AC = 37 cm, then find the length of DC in cm.

Ans

✗ 1. 25

✔ 2. 30

✗ 3. 5

✗ 4. 35

Question ID : **81616112874**
Status : **Answered**
Chosen Option : **2**

Q.11 Study the following table and answer the question:

Percentage of marks obtained by six students A, B, C, D, E and F in five subjects.

Subjects / Students	English (Out of 50)	Math (Out of 150)	Science (Out of 80)	Hindi (Out of 75)	Social Studies (Out of 100)
A	70	90	65	64	88
B	84	92	75	68	49
C	66	80	85	80	84
D	62	74	75	88	60
E	54	64	55	72	85
F	72	84	65	60	65

Total marks obtained by student E in all the five subjects are ?

Ans ✔ 1. 306

✘ 2. 330

✘ 3. 316

✘ 4. 340

Question ID : **81616113789**

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

Chosen Option : **--**

Q.12 If $sec\ 31° = x$, then $sin^2 59° + \dfrac{1}{sec^2 31°} - \dfrac{1}{sin^2 59° cosec^2 59°}$ is equal to:

Ans ✘ 1. $\dfrac{x^2-2}{x^2}$

✘ 2. $\dfrac{2-x^2}{x}$

✔ 3. $\dfrac{2-x^2}{x^2}$

✘ 4. $\dfrac{x^2-2}{x}$

Question ID : **81616113280**

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

Chosen Option : **--**

Q.13 A certain sum is divided among A, B, C and D such that the ratio of the shares is A : B : C : D = 4 : 12 : 30 : 45. If the difference between the shares of A and D is ₹5,535, then the total sum (in ₹) is:

Ans
✗ 1. 12785

✗ 2. 13550

✔ 3. 12285

✗ 4. 11000

Question ID : **81616113672**
Status : **Answered**
Chosen Option : **1**

Q.14 The speed of a motorboat in still water is 20 km/h. It travels 150 km downstream and then returns to the starting point. If the round trip takes a total of 16 hours, what is the speed (in km/h) of the flow of river?

Ans
✗ 1. 8

✗ 2. 6

✔ 3. 5

✗ 4. 4

Question ID : **81616113675**
Status : **Answered**
Chosen Option : **3**

Q.15 If a nine-digit number $769\,8x138y$ is divisible by 72, then the value of $\sqrt{4x+y}$ is:

Ans
✗ 1. 8

✔ 2. 6

✗ 3. 9

✗ 4. 5

Question ID : **81616113262**
Status : **Answered**
Chosen Option : **2**

Q.16 A tank is filled in 4 hours by three pipes A, B and C. The pipe C is $1\frac{1}{2}$ times as fast as B and B is 3 times as fast as A. How many hours will pipe A alone take to fill the tank?

Ans
✗ 1. 17

✗ 2. 30

✔ 3. 34

✗ 4. 15

Question ID : **81616113270**
Status : **Answered**
Chosen Option : **3**

Q.17 Triangle ABC is right angled at B. BD is an altitude intersecting AC at D. If AC = 9 cm and CD = 3 cm, then find the measure of AB (in cm).

Ans
✓ 1. $3\sqrt{6}$

✗ 2. 3

✗ 3. $6\sqrt{3}$

✗ 4. 6

Question ID : **81616112875**
Status : **Answered**
Chosen Option : **1**

Q.18 A shopkeeper sold an article for ₹455 at a loss (in ₹). If he sells it for ₹490, then he would gain an amount four times the loss. At what price (in ₹) should he sell the article to gain 25%?

Ans
✗ 1. 575

✓ 2. 577.50

✗ 3. 570.50

✗ 4. 115.50

Question ID : **81616112863**
Status : **Answered**
Chosen Option : **2**

Q.19 What is the average of numbers from 1 to 50 which are multiples of 2 or 5? (correct to one decimal place)

Ans
✗ 1. 25.9

✓ 2. 25.8

✗ 3. 25.4

✗ 4. 26.4

Question ID : **81616112860**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.20 Simplify the following expression:

$$\left(\frac{3}{4} - \frac{1}{4} \div \frac{1}{4} \text{ of } \frac{2}{5}\right) \div \left(\frac{3}{4} \div \frac{2}{3} \text{ of } \frac{3}{5}\right)$$

Ans
✗ 1. $\frac{14}{75}$

✗ 2. $\frac{32}{75}$

✗ 3. $-\frac{70}{27}$

✓ 4. $-\frac{14}{15}$

Question ID : **81616112859**
Status : **Answered**
Chosen Option : **4**

Q.21 The surface area of a cube is 13.5 m^2. What is the length (in m) of its diagonal?

Ans

✗ 1. $2\sqrt{3}$

✔ 2. $1.5\sqrt{3}$

✗ 3. 1.5

✗ 4. 2

Question ID : **81616112868**
Status : **Answered**
Chosen Option : **2**

Q.22 By mistake, the reciprocal of a positive fraction got typed in place of itself, and thereby its value got reduced by $\frac{175}{4}$ %. What was the value of the fraction?

Ans

✗ 1. $\frac{1}{4}$

✗ 2. $\frac{1}{2}$

✔ 3. $\frac{4}{3}$

✗ 4. $\frac{3}{4}$

Question ID : **81616113266**
Status : **Not Answered**
Chosen Option : **--**

Q.23 In a circle with centre O, a diameter AB is produced to a point P lying outside the circle and PT is a tangent to the circle at a point C on it. If ∠BPT=28º, then what is the measure of ∠BCP?

Ans

✗ 1. $62º$

✗ 2. $45º$

✗ 3. $28º$

✔ 4. $31º$

Question ID : **81616113277**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Study the following table and answer the question:

Percentage of marks obtained by six students A, B, C, D, E and F in five subjects.

Subjects / Students	English (Out of 50)	Math (Out of 150)	Science (Out of 80)	Hindi (Out of 75)	Social Studies (Out of 100)
A	70	90	65	64	88
B	84	92	75	68	49
C	66	80	85	80	84
D	62	74	75	88	60
E	54	64	55	72	85
F	72	84	65	60	65

The total marks obtained by students C, D and F in Science is what percent more than the total marks obtained by B in Science, Hindi and Social Studies?

Ans
✗ 1. 12.2
✗ 2. 10.5
✔ 3. 12.5
✗ 4. 11.1

Question ID : **81616113791**
Status : **Not Answered**
Chosen Option : **--**

Q.25 What is the difference between the compound interest (in ₹) compounded yearly and compounded half yearly for 18 months at 20% per annum on a sum of ₹12,000?

Ans
✗ 1. 121
✔ 2. 132
✗ 3. 145
✗ 4. 165

Question ID : **81616113269**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

Q.1 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

Mithila art tradition is passed on / from one generation through a next / by children watching and helping / their mothers and grandmothers.

Ans
✗ 1. their mothers and grandmothers
✗ 2. Mithila art tradition is passed on
✔ 3. from one generation through a next
✗ 4. by children watching and helping

Question ID : **81616113288**
Status : **Answered**
Chosen Option : **3**

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

The art of effective or persuasive speaking or writing

Ans ✗ 1. Bombastic

✗ 2. Poetry

✗ 3. Archaic

✓ 4. Rhetoric

Question ID : **81616113308**

Status : **Answered**

Chosen Option : **4**

Q.3 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. At its height, around 1,200 years ago, the city of Calakmul had a population of about 50,000 people, but the kingdom as a whole numbered more than 1.5 million.
B. Deep in the jungle of southern Mexico lie the ruins of a city that thrived for centuries before it was abandoned more than 1,000 years ago.
C. Archaeologists have uncovered 6,750 structures here—the largest is this pyramid temple, called, simply, 'Structure 2.'
D. Calakmul was once one of the two duelling superpowers—along with Tikal—of the Classical Mayan civilisation.

Ans ✓ 1. BDAC

✗ 2. BCDA

✗ 3. ACDB

✗ 4. DBCA

Question ID : **81616113704**

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

Chosen Option : **--**

Q.4 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.

The prisoners are <u>kept at</u> constant surveillance.

Ans ✗ 1. kept with

✗ 2. No improvement

✓ 3. kept under

✗ 4. kept by

Question ID : **81616113291**

Status : **Answered**

Chosen Option : **3**

Q.5 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

Raman went / with his wife / to the village / to sold their land.

Ans ✔ 1. to sold their land

✘ 2. to the village

✘ 3. with his wife

✘ 4. Raman went

Question ID : **81616113691**
Status : **Answered**
Chosen Option : **1**

Q.6 Select the most appropriate ANTONYM of the given word.

Lessen

Ans ✘ 1. Decrease

✔ 2. Increase

✘ 3. Minimise

✘ 4. Reduce

Question ID : **81616113708**
Status : **Answered**
Chosen Option : **2**

Q.7 Select the most appropriate ANTONYM of the given word.

Controlled

Ans ✘ 1. Restrained

✔ 2. Excited

✘ 3. Guarded

✘ 4. Calm

Question ID : **81616112899**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the most appropriate synonym of the given word.

Drag

Ans ✘ 1. Push

✔ 2. Pull

✘ 3. Tell

✘ 4. Call

Question ID : **81616112897**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the most appropriate meaning of the given idiom.

To fight tooth and nail

Ans ✗ 1. To silently leave the scene of battle

✔ 2. To fight or compete with great ferocity and intensity

✗ 3. To use unusual weapons to fight

✗ 4. To keep the enemy guessing about the weapons used

Question ID : **81616113710**
Status : **Answered**
Chosen Option : **2**

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

To fan the flames

Ans ✗ 1. To call for help to solve an issue

✗ 2. To resolve the issue amicably

✔ 3. To make a bad situation worse

✗ 4. To cool the situation

Question ID : **81616113709**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution required'.

The crowd <u>have gathered around the area</u> to watch the actors.

Ans ✔ 1. has gathered around the area

✗ 2. have gathered in the area

✗ 3. No substitution required

✗ 4. have gather around the area

Question ID : **81616112888**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the option that expresses the given sentence in passive voice.

The fielder at the slip position took a brilliant catch.

Ans ✔ 1. A brilliant catch was taken by the fielder at the slip position.

✗ 2. A brilliant catch has been taken by the fielder at the slip position.

✗ 3. A brilliant catch was being taken by the fielder at the slip position.

✗ 4. A brilliant catch had been taken by the fielder at the slip position.

Question ID : **81616113289**
Status : **Answered**
Chosen Option : **1**

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

Humdrum

Ans ✔ 1. Boring

✘ 2. Noisy

✘ 3. Exciting

✘ 4. Lively

Question ID : **81616112898**
Status : **Answered**
Chosen Option : **1**

Q.14 Select the INCORRECTLY spelt word.

Ans ✘ 1. Anarchy

✘ 2. Monarchy

✔ 3. Tyrany

✘ 4. Aristocracy

Question ID : **81616112906**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the option that expresses the given sentence in indirect speech.

Nelson said, "I was playing cricket."

Ans ✘ 1. Nelson said that he was playing cricket.

✘ 2. Nelson said I was playing cricket.

✔ 3. Nelson said that he had been playing cricket.

✘ 4. Nelson said that I was playing cricket.

Question ID : **81616112886**
Status : **Answered**
Chosen Option : **3**

Q.16 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. "I have already spent it," the thief replied.
B. "What! I will take you to the police right now," Arun thundered.
C. "Give me back my money," Arun said to the thief.
D. "Sir, please have some mercy on me," the thief pleaded.

Ans ✘ 1. CBAD

✘ 2. BCAD

✘ 3. ADBC

✔ 4. CABD

Question ID : **81616112895**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the option that can be used as a one-word substitute for the given group of words.

A person employed to drive a private or hired car

Ans ✗ 1. Escort

✓ 2. Chauffeur

✗ 3. Captain

✗ 4. Pilot

Question ID : **81616113307**

Status : **Answered**

Chosen Option : **2**

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

The people of Rajasthan strictly _____ to the traditional customs.

Ans ✗ 1. appeal

✓ 2. adhere

✗ 3. apply

✗ 4. abide

Question ID : **81616113311**

Status : **Answered**

Chosen Option : **2**

Q.19 Select the INCORRECTLY spelt word.

Ans ✗ 1. Verbal

✗ 2. Melody

✗ 3. Written

✓ 4. Speach

Question ID : **81616112905**

Status : **Answered**

Chosen Option : **4**

Q.20 Select the most appropriate option to fill in the blank.

The worst possible _____ for human society is that we will destroy ourselves with nuclear weapons.

Ans ✗ 1. privilege

✓ 2. prediction

✗ 3. presentation

✗ 4. preceptive

Question ID : **81616112908**

Status : **Answered**

Chosen Option : **2**

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.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 21

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

Ans ✗ 1. itself

   ✔ 2. himself

   ✗ 3. ourself

   ✗ 4. herself

Question ID : **81616112890**
Status : **Answered**
Chosen Option : **2**

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.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 22

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

Ans ✔ 1. by

   ✗ 2. for

   ✗ 3. in

   ✗ 4. over

Question ID : **81616112891**
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.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 23

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

Ans   ✘ 1. stuck

      ✘ 2. poked

      ✔ 3. cast

      ✘ 4. picked

Question ID : **81616112892**
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.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 24

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

Ans   ✘ 1. desirable

      ✘ 2. attractive

      ✔ 3. excellent

      ✘ 4. skillful

Question ID : **81616112893**
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.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 25

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

Ans ✗ 1. a

✔ 2. the

✗ 3. one

✗ 4. only

Question ID : **81616112894**
Status : **Answered**
Chosen Option : **2**