Combined Graduate Level Examination 2021 Tier - I

Roll Number	
Candidate Name	Dots Academy
Venue Name	
Exam Date	19/04/2022
Exam Time	9:00 AM - 10:00 AM
Subject	CGLE 2021 Tier I

Section : **General Intelligence and Reasoning**

Q.1 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

5 : 27 :: 7 : ? :: 8 : 39

Ans ✗ 1. 38

✗ 2. 37

✗ 3. 36

✔ 4. 35

Question ID : **65497844194**
Status : **Answered**
Chosen Option : **1**

Q.2 In a certain code language, 'BUILDER' is written as 'VZNFXJL'. How will 'PARKING' be written in that language?

Ans ✗ 1. EIFLBIM

✗ 2. JLFNEHA

✗ 3. IELFMIB

✔ 4. JFLENHA

Question ID : **65497844185**
Status : **Not Answered**
Chosen Option : **--**

Q.3 A cube is made by folding the given sheet along the lines. In the cube so formed, what would be the number on the face opposite to the one having 5?

```
        ┌───┐
        │ 1 │
    ┌───┼───┼───┐
    │ 4 │ 2 │ 3 │ 5 │
    └───┼───┼───┘
        │ 6 │
        └───┘
```

Ans ✗ 1. 6

✗ 2. 4

✓ 3. 2

✗ 4. 1
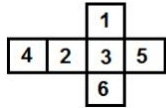
Question ID : **65497842989**
Status : **Answered**
Chosen Option : **3**

Q.4 An amount of ₹1,003 is to be distributed among A, B and C in the ratio of 11 : 23 : 25. How many rupees would B get more than A?

Ans ✗ 1. ₹187

✓ 2. ₹204

✗ 3. ₹238

✗ 4. ₹29

Question ID : **65497843185**
Status : **Answered**
Chosen Option : **2**

Q.5 'Z + Y' means 'Y is the son of Z'.
'Z $ Y' means 'Y is the father of Z'.
'Y % Z' means 'Y is the son-in-law of Z'.
'Z − Y' means 'Y is the wife of Z'.
'Y * Z' means 'Z is the brother of Y'.
'Y # Z' means 'Z is the only sister of Y'.

Which two symbols can sequentially replace the question marks (?) in the following expression to show that 'D is the wife of W'?
W % O − B ? C ? D

Ans ✓ 1. + and #

✗ 2. + and −

✗ 3. $ and +

✗ 4. % and −

Question ID : **65497844189**
Status : **Answered**
Chosen Option : **3**

Q.6 Which two numbers need to be interchanged to make the following equation correct?

$119 + 11 \times 5 - 153 \div 17 = 201$

Ans ✘ 1. 119 and 17

✘ 2. 11 and 17

✔ 3. 119 and 153

✘ 4. 17 and 5

Question ID : **65497842986**

Status : **Not Answered**

Chosen Option : **--**

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

SKHM, OODQ, KSZU, GWVY, ?

Ans ✘ 1. CBRD

✘ 2. CASC

✔ 3. CARC

✘ 4. BAQC

Question ID : **65497842969**

Status : **Answered**

Chosen Option : **4**

Q.8 Bindu, Krunal, Manoj, Nilima, Omkar, Piyush, Renu and Sundar are sitting around a circular table facing the centre, but not necessarily in the same order. Sundar sits second to the right of Piyush. Only two persons sit between Sundar and Krunal. Omkar sits opposite to Bindu, who is not an immediate neighbour of Krunal and Piyush. Nilima is the immediate neighbour of Krunal and Bindu. Manoj sits third to the right of Bindu.

Which of the following statements is/are true?

Ans ✔ 1. Nilima sits opposite the one who sits to the immediate left of Renu.

✘ 2. Omkar is the immediate neighbour of Renu and Piyush.

✘ 3. Manoj is the immediate neighbour of Nilima.

✘ 4. Sundar sits third to the right of Krunal.

Question ID : **65497844190**

Status : **Answered**
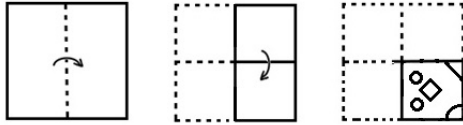
Chosen Option : **2**

Q.9 Which two digits should be interchanged to make the given equation correct?

$37 + 1152 \times 8 \div 768 - 47 = 22$
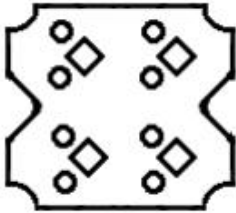
Ans ✘ 1. 2 and 3

✔ 2. 3 and 4

✘ 3. 4 and 5

✘ 4. 5 and 6

Question ID : **65497844197**

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?
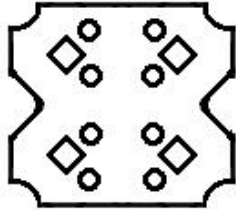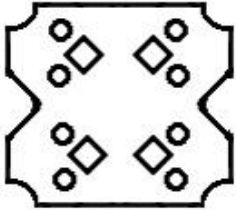
Ans
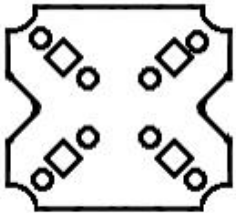
✗ 1.

✔ 2.

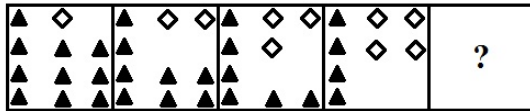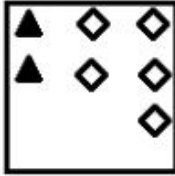Dots Academy

✗ 3.

✗ 4.

Q.11 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.
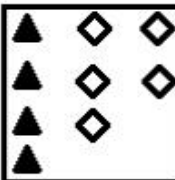
✔ 3.

✗ 4.
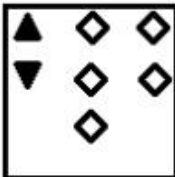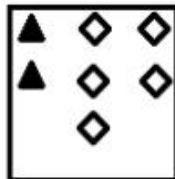
Question ID : **65497844200**
Status : **Answered**
Chosen Option : **3**

Q.12 Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

28 54 32
56 8 7 65 8 18 84 ? 8
14 13 12

Ans   ✔ 1. 11

✗ 2. 9

✗ 3. 8

✗ 4. 10

Question ID : **65497842075**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

P

7 D I S c H ∀ r G E 5 |

Q

Ans ✓ 1. ꙅƎᎮɿ∀HɔꙄIᗡ7

✗ 2. ꙄᗡIꙄᴄHAᎮᏩƎꙅ

✗ 3. ꙄᗡIꙄᴉHAᴄᏩƎꙅ

✗ 4. ꙅƎᏩᴄ∀HᴉꙄIᗡ7

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 calculators are markers.
Some markers are pencils.
Some pencils are erasers.

Conclusions:
I. Some erasers are markers.
II. Some pencils are calculators.

Ans ✓ 1. Neither conclusion I nor II follows.

✗ 2. Only conclusion I follows.

✗ 3. Both the conclusions follow.

✗ 4. Only conclusion II follows.

Q.15 In the following Venn diagram, the triangle stands for 'fathers', the circle stands for 'engineers', the hexagon stands for 'tax-payers', and the rectangle stands for 'blood donors'. The given numbers represent the number of persons in that particular category.
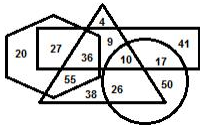
How many tax-payers are also blood donors?

Ans ✗ 1. 38

✗ 2. 61

✓ 3. 63

✗ 4. 55

Q.16 Select the option that is related to the third term in the same way as the second term is related to the first term.

FASTER : AEFRST :: KINGDOM : ?

Ans ✔️ 1. DGIKMNO

❌ 2. DGIKNOM

❌ 3. DGKIMON

❌ 4. DIGKMNO

Q.17 Select the number from among the given options that can replace the question mark (?) in the following series.

30, ?, 83, 118, 160, 210

Ans ❌ 1. 42

❌ 2. 60

❌ 3. 62

✔️ 4. 54

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Q.18 'P$Q' means 'P is to the north of Q'.

'P&Q' means 'P is to the east of Q'.

'P*Q' means 'Q is to the west of P'.

'P%Q' means 'Q is to the south of P'.

'P@QR' means 'P stands exactly in the middle of horizontal line QR'.

'P!QR' means 'P stands exactly in the middle of vertical line QR'.

Note: 'P6m$Q' means 'P is 6 m to the north of Q' and so on.

Find the shortest distance between G and C in the following expression.

C12m$S5m*G3m&J6m%K!JT

Ans ❌ 1. 10 m

❌ 2. 15 m

❌ 3. 12 m

✔️ 4. 13 m

Q.19 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.
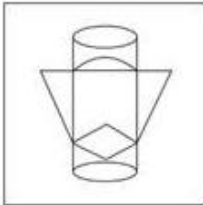
✔ 2.
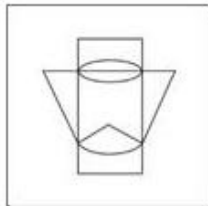
✗ 3.

✗ 4.
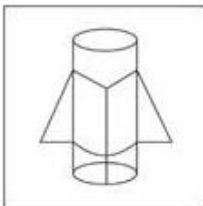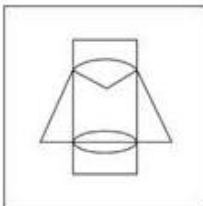
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Q.20 In a certain code language, 'Min Fin Dig' means 'Sohan is Engineer' and 'Sic Ric Min Dic Fin' means 'Profession of Engineer is tough'. Which of the following is the code for 'Sohan'?

Ans ✗ 1. Min

✗ 2. Dic

✗ 3. Fin

✔ 4. Dig

Q.21 Which order of letters will complete the following sequence?

__A__GGA__GGAN__

Ans   ✗ 1. NGNG

    ✗ 2. TGTG

    ✔ 3. GNNG

    ✗ 4. SGSA

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Q.22 In a certain code language, 'GLOVE' is coded as 148. How will 'OBDURATE' be coded in that language?

Ans   ✔ 1. 520

    ✗ 2. 602

    ✗ 3. 402

    ✗ 4. 502

Q.23 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. PSH

    ✗ 2. LPK

    ✗ 3. SWD

    ✗ 4. FJQ

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

115, 178, 241, 304, ?

Ans   ✗ 1. 370

    ✗ 2. 337

    ✗ 3. 348

    ✔ 4. 367

Q.25 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Hatchability
2. Hatchel
3. Hatchers
4. Hatchback
5. Hatchings

Ans ✗ 1. 4, 1, 2, 3, 5

✗ 2. 4, 1, 2, 5, 3

✔ 3. 1, 4, 2, 3, 5

✗ 4. 1, 4, 2, 5, 3

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Question ID : **65497844620**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 Which of the following is NOT a chemical coagulant used in water treatment?

Ans ✗ 1. Aluminium sulfate (Alum)

✔ 2. Nitrogen dioxide

✗ 3. Aluminium chloride

✗ 4. Polyaluminium chloride (PAC)

Question ID : **65497842999**
Status : **Answered**
Chosen Option : **2**

Q.2 Which of the following is NOT abiotic?

Ans ✗ 1. Wind

✗ 2. Soil

✔ 3. Plant

✗ 4. Rainfall

Question ID : **65497844213**
Status : **Answered**
Chosen Option : **3**

Q.3 As per the Economic Survey of India 2021, SENSEX and NIFTY resulted in India's market-cap to GDP ratio crossing _____ for the first time since October 2010.

Ans ✔ 1. 100%

✗ 2. 50%

✗ 3. 75%

✗ 4. 80%

Question ID : **65497843199**
Status : **Answered**
Chosen Option : **3**

Q.4 Which of the following words does NOT precede the word 'Republic' in the Preamble of the Constitution of India?

Ans   ✗ 1. Sovereign

     ✗ 2. Democratic

     ✗ 3. Socialist

     ✓ 4. Federal

Question ID : **65497844227**
Status : **Answered**
Chosen Option : **4**

Q.5 Which of the following is a type of plant disease?

Ans   ✗ 1. Mastitis

     ✓ 2. Blight

     ✗ 3. Botulism

     ✗ 4. Coccidiosis

Question ID : **65497843006**
Status : **Answered**
Chosen Option : **2**

Q.6 Which of the following states won the maximum number of medals at the Khelo India Youth Games 2020?

Ans   ✓ 1. Maharashtra

     ✗ 2. Punjab

     ✗ 3. Haryana

     ✗ 4. Kerala

Question ID : **65497843220**
Status : **Answered**
Chosen Option : **1**

Q.7 Who among the following was honoured by the Abel Prize of 2021 in Mathematics ?

Ans   ✓ 1. Laszlo Lovasz

     ✗ 2. Andrew Wiles

     ✗ 3. Qaboos

     ✗ 4. Karen Uhlenbeck

Question ID : **65497843215**
Status : **Answered**
Chosen Option : **1**

Q.8 Right to Information Act _____ mandates timely response to citizen requests for government information.

Ans
✔ 1. 2005

✘ 2. 2002

✘ 3. 2004

✘ 4. 2003

Question ID : **65497844226**
Status : **Answered**
Chosen Option : **1**

Q.9 Which of the following events occurred before 1919?

Ans
✘ 1. Chauri Chaura Incident

✘ 2. Lahore Session of Congress

✔ 3. Partition of Bengal

✘ 4. Gandhi-Irwin Pact

Question ID : **65497844222**
Status : **Answered**
Chosen Option : **3**

Q.10 Which of the following is a group of islands found in the tropical oceans consisting of coral reefs and a central depression?

Ans
✔ 1. Atoll

✘ 2. Seamount

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✘ 3. Guyots

✘ 4. Lagoon

Question ID : **65497844217**
Status : **Answered**
Chosen Option : **4**

Q.11 Which of the following was the first development bank in India?

Ans
✔ 1. Industrial Finance Corporation of India

✘ 2. Industrial Development Bank of India

✘ 3. National Housing Bank

✘ 4. Export Import Bank of India

Question ID : **65497844208**
Status : **Answered**
Chosen Option : **2**

Q.12 Alladi Krishnaswami Ayyar was the chairman of the _____ of the Constituent Assembly of India.

Ans ✗ 1. Fundamental Rights Sub-Committee

✗ 2. Union Powers Committee

✗ 3. Order of Business Committee

✓ 4. Credential Committee

Question ID : **65497842107**
Status : **Answered**
Chosen Option : **1**

Q.13 As per the theory of demographic transition, the post-transitional stage of demographic transition is characterised by _____.

Ans ✗ 1. falling birth rates and high death rates

✗ 2. high and nearly equal birth and death rates

✗ 3. falling death rates and high birth rates

✓ 4. low and nearly equal birth and death rates

Question ID : **65497842098**
Status : **Not Answered**
Chosen Option : **--**

Q.14 According to World Health Organization (WHO), "Hygiene refers to _____ and practices that help to maintain _____ and _____ the spread of diseases."

Ans ✗ 1. values, health, stop

✗ 2. conditions, physique, retard

✓ 3. conditions, health, prevent

✗ 4. situations, fitness, prevent

Question ID : **65497844215**
Status : **Answered**
Chosen Option : **3**

Q.15 Which of the following is an example of 'Arthropod'?

Ans ✗ 1. Blood sucking leech

✗ 2. Hookworm

✗ 3. Earthworm

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✓ 4. Scorpion

Question ID : **65497843206**
Status : **Answered**
Chosen Option : **4**

Q.16 Which of the following sages of ancient India wrote the 'Mimamsa-sutras'?

Ans ✗ 1. Badarayana

✓ 2. Jaimini

✗ 3. Charaka

✗ 4. Panini

Question ID : **65497843009**
Status : **Answered**
Chosen Option : **2**

Q.17 Which of the following musical instruments is also known as a 'Mangal Vadya'?

Ans ✗ 1. Tabla

✗ 2. Damaru

✗ 3. Santoor

✓ 4. Shehnai

Question ID : **65497842085**
Status : **Not Answered**
Chosen Option : **--**

Q.18 William Hawkins met Emperor Jahangir as a representative of the _____ East India Company.

Ans ✗ 1. French

✗ 2. Dutch

✗ 3. Portuguese

✓ 4. English

Question ID : **65497842099**
Status : **Answered**
Chosen Option : **4**

Q.19 Honoured with Padma Vibushan and Padma Bhushan, Kishori Amonkar was a renowned personality related to which of the following fields?

Ans ✗ 1. Economics

✓ 2. Music

✗ 3. Dance

✗ 4. Science

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Question ID : **65497844224**
Status : **Not Answered**
Chosen Option : **--**

Q.20 The Economic Survey of 2020-21 mentions that India's fiscal policy should reflect _____ sentiment of 'a mind without fear'.

Ans
- ✗ 1. Jawaharlal Nehru's
- ✗ 2. Shyama Prasad Mukherjee's
- ✗ 3. Mahatma Gandhi's
- ✓ 4. Gurudev Rabindranath Tagore's

Question ID : **65497844210**
Status : **Answered**
Chosen Option : **3**

Q.21 In which of the following cities were the first and second test cricket matches (2021) between India and England held?

Ans
- ✗ 1. Pune
- ✓ 2. Chennai
- ✗ 3. Mumbai
- ✗ 4. Ahmedabad

Question ID : **65497843017**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Saccharomyces Cerevisiae is commonly used to make _____.

Ans
- ✓ 1. bread
- ✗ 2. carbonated beverages
- ✗ 3. yoghurt
- ✗ 4. cheese

Question ID : **65497842091**
Status : **Answered**
Chosen Option : **3**

Q.23 'Sangken' is a festival of the _____.

Ans
- ✗ 1. Christians
- ✗ 2. Jains
- ✗ 3. Sikhs
- ✓ 4. Buddhists

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Question ID : **65497842995**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Who among the following won the 2020 JCB Prize for Literature?

Ans   ✗ 1. Santhosh Echikkanam

     ✗ 2. Kureepuzha Sreekumar

     ✗ 3. KR Meera

     ✓ 4. S Hareesh

> Question ID : **65497844223**
> Status : **Answered**
> Chosen Option : **4**

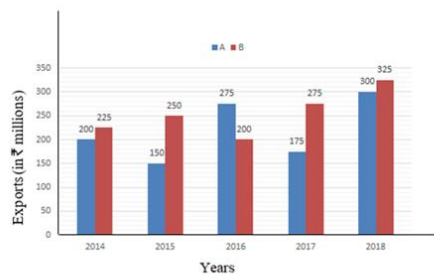**Q.25 How many sodium atoms are there in one molecule of sodium peroxide?**

Ans   ✓ 1. Two

     ✗ 2. One

     ✗ 3. Four

     ✗ 4. Three

> Question ID : **65497843204**
> Status : **Answered**
> Chosen Option : **1**

Section : Quantitative Aptitude

Q.1 Study the given bar graph and answer the question that follows.

The bar graph shows the exports of cars of type A and B (in ₹ millions) from 2014 to 2018.

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What is the ratio of the total exports of cars of type A in 2016 and 2018 to the total exports of cars of type B in 2014 and 2017?

Ans   ✗ 1. $10 : 9$

     ✗ 2. $11 : 10$

     ✗ 3. $25 : 16$

     ✓ 4. $23 : 20$

> Question ID : **65497842636**
> Status : **Not Answered**
> Chosen Option : **--**

Q.2 The following pie charts show the number of students studying in different departments of an institute during the academic years 2019 and 2020. The total number of students was 2000 and 2400 in academic years 2019 and 2020, respectively.

Students studying humanities in 2019 and 2020 taken together is what percentage of the total number of students studying during the two years taken together? (correct to 2 decimal places)
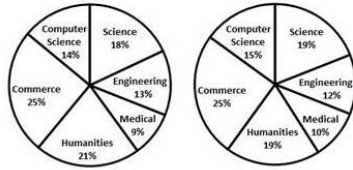
Academic year 2019   Academic year 2020

Ans

✗ 1. 18.52%

✗ 2. 18.75%

✗ 3. 19.19%

✓ 4. 19.91%

Q.3 A vegetable vendor supplies vegetables to a housing complex of 50 families. On a particular day, the break-up sale of vegetables is represented in the form of a pie chart as shown.

Study the pie chart carefully and answer the question that follows.
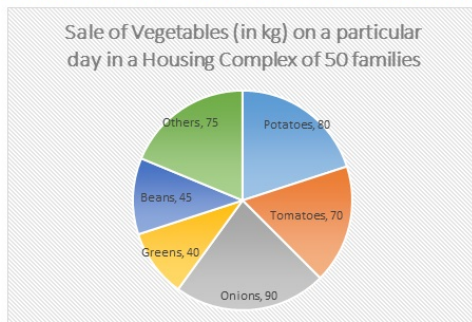
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What is the ratio of the central angle corresponding to the sale of potatoes, tomatoes and beans together to the central angle corresponding to the combined sale of onions and others?

Ans

✗ 1. 11 : 13

✗ 2. 15 : 13

✓ 3. 13 : 11

✗ 4. 13 : 15

Q.4 If $x + y + z = 7$, $xy + yz + zx = 8$, then what is the value of $x^3 + y^3 + z^3 - 3xyz$?

Ans
✗ 1. 125

✓ 2. 175

✗ 3. 200

✗ 4. 150

Question ID : **65497844244**

Status : **Not Answered**

Chosen Option : **--**

Q.5 Let $\triangle ABC \sim \triangle QPR$ and (Area of $\triangle ABC$) : (Area of $\triangle PQR$) = 121 : 64. If QP = 14.4 cm, PR = 12 cm and AC = 18 cm, then what is the length of AB?

Ans
✗ 1. 16.2 cm

✓ 2. 19.8 cm

✗ 3. 32.4 cm

✗ 4. 21.6 cm

Question ID : **65497844248**

Status : **Not Answered**

Chosen Option : **--**

Q.6 In a $\triangle ABC$, D, E and F are the mid-points of side BC, CA and AB respectively. If BC = 14.4 cm, CA = 15.2 cm and AB = 12.4 cm, what is the perimeter (in cm) of the $\triangle DEF$?

Ans
✓ 1. 21

✗ 2. 28

✗ 3. 42

✗ 4. 35

Question ID : **65497844247**

Status : **Not Answered**

Chosen Option : **--**

Q.7 If each of the two numbers 5^{16} and 5^{25} are divided by 6, the remainders are R_1 and R_2, respectively. What is the value

of $\frac{R_1 + R_2}{R_2}$?

Ans
✓ 1. $\dfrac{6}{5}$

✗ 2. $\dfrac{1}{5}$

✗ 3. $\dfrac{5}{6}$

✗ 4. $\dfrac{1}{6}$

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Question ID : **65497843019**

Status : **Not Answered**

Chosen Option : **--**

Q.8 The value of

$$\frac{[\frac{3}{8} - \{\frac{3}{8} - (\frac{5}{8} - \frac{3}{8})\}] \text{ of } 4.8 - 0.9}{4\frac{1}{6} \div 2.5 \times 0.2 \div \frac{1}{5} \text{ of } 50 + (\frac{3}{4} - \frac{1}{8})} \text{ is:}$$

Ans

✖ 1. $\dfrac{42}{79}$

✔ 2. $\dfrac{36}{79}$

✖ 3. $\dfrac{30}{79}$

✖ 4. $\dfrac{24}{79}$

Question ID : **65497843223**
Status : **Not Answered**
Chosen Option : **--**

Q.9 A sum of ₹18,000 becomes ₹21,780 after 2 years on compound interest compounded annually. What will be the compound interest (in ₹) on the same sum for the same period if the rate of interest increases by 5%?

Ans

✔ 1. 5,805

✖ 2. 1,845

✖ 3. 4,670

✖ 4. 5,500

Question ID : **65497842118**
Status : **Not Answered**
Chosen Option : **--**

Q.10 If $a^3 + b^3 = 218$ and $a + b = 2$, then the value of $\sqrt{1 - ab}$ is:

Ans

✔ 1. 6

✖ 2. 3

✖ 3. 5

✖ 4. 4

Question ID : **65497844243**
Status : **Not Answered**
Chosen Option : **--**

Q.11 The length of the shadow on the ground of a tall tree of height 30 m is 10 √3 m. What is the angle (in degrees) of elevation of the sun?

Ans
✗ 1. 15
✗ 2. 45
✗ 3. 30
✔ 4. 60

Question ID : **65497843241**
Status : **Not Answered**
Chosen Option : **--**

Q.12 A takes 3 hours more than B to walk 'd' km. If A doubles his speed, then he can make it in 1 hour less than B. How much time (in hours) does A require to walk 'd' km?

Ans
✗ 1. 5
✗ 2. 9
✗ 3. 4
✔ 4. 8

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Question ID : **65497844241**
Status : **Answered**
Chosen Option : **3**

Q.13 Three numbers are in the proportion of 3 : 8 : 15 and their LCM is 8280. What is their HCF?

Ans
✗ 1. 57
✗ 2. 60
✗ 3. 75
✔ 4. 69

Question ID : **65497843222**
Status : **Not Answered**
Chosen Option : **--**

Q.14 PQ and RS are two parallel chords of a circle of length 14 cm and 48 cm, respectively, and lie on the same side of the centre O. If the distance between the chords is 17 cm, what is the radius (in cm) of the circle?

Ans
✗ 1. 20
✗ 2. 24
✔ 3. 25
✗ 4. 28

Question ID : **65497843034**
Status : **Not Answered**
Chosen Option : **--**

Q.15 14 men can complete a work in 15 days. If 21 men are employed, then in how many days will they complete the same work?

Ans
✗ 1. 15
✔ 2. 10
✗ 3. 14
✗ 4. 12

Question ID : **65497844240**
Status : **Answered**
Chosen Option : **2**

Q.16 From the body of a solid cube of edge 7 cm, a solid sphere is removed. The volume of the remaining solid was found to be $163\frac{1}{3}$ cm^3. What is the diameter (in cm) of the sphere? (Take $\pi = \frac{22}{7}$)

Ans
✗ 1. 8
✗ 2. 10
✗ 3. 5
✔ 4. 7

Question ID : **65497842929**
Status : **Answered**
Chosen Option : **2**

Q.17 A shopkeeper offers his customers a discount of 10%. On an item marked at a price of ₹400, which was a little damaged, he offered additional discount of 10%. At what price (in ₹) is the item available to customers?

Ans
✗ 1. 300
✔ 2. 324
✗ 3. 340
✗ 4. 320

Question ID : **65497844033**
Status : **Answered**
Chosen Option : **2**

Q.18 A invested 30% more than B. B invested 40% less than C, who invested ₹8,000. The average of the total amount invested by all of them together (to the nearest ₹) is:

Ans
✔ 1. 6,347
✗ 2. 6,215
✗ 3. 6,143
✗ 4. 6,417

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Question ID : **65497844238**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Of the three numbers, second is one-third of first and is also three-fourth of the third number. If the average of three numbers is 112, then what is the smallest number?
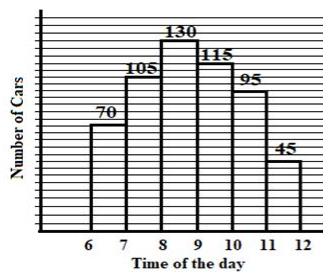
Ans
- ✔ 1. 63
- ✘ 2. 84
- ✘ 3. 189
- ✘ 4. 45

Q.20 The number of cars passing the road near a colony from 6 am to 12 noon has been shown in the following histogram.

What is the maximum change percentage in the number of cars as compared to the previous hour? (correct to 2 decimal places)

Ans
- ✘ 1. Increase of 55.56%
- ✘ 2. Increase of 58.5%
- ✘ 3. Decrease of 58.5%
- ✔ 4. Decrease of 52.63%

Q.21 If $3\sin^2\theta + 4\cos\theta - 4 = 0, 0° < \theta < 90°$, then the value of $(\text{cosec}^2\theta + \cot^2\theta)$ is

Ans
- ✔ 1. $\dfrac{5}{4}$
- ✘ 2. $\dfrac{25}{3}$
- ✘ 3. $\dfrac{4}{3}$
- ✘ 4. $\dfrac{17}{9}$

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Q.22 If $A = 60°$, what is the value of:

$$\frac{10 \sin \frac{A}{2} + 8\cos A}{7 \sin \frac{3A}{2} - 12 \cos A}?$$

Ans ✗ 1. 7

✗ 2. 10

✗ 3. 12

✓ 4. 9

Q.23 A man started off a business with a certain capital amount. In the first year, he earned 60% profit and donated 50% of the total capital (initial amount + profit). He followed the same procedure with the remaining capital after the second and the third year. If at the end of the three years, he is left with ₹15,360, what was the initial amount (in ₹) with which the man started his business?

Ans ✗ 1. 20,000

✗ 2. 25,000

✓ 3. 30,000

✗ 4. 32,000

Q.24 In the following figure, MN is a tangent to a circle with centre O at point A. If BC is a diameter and $\angle ABC = 42°$, then find the measure of $\angle MAB$.
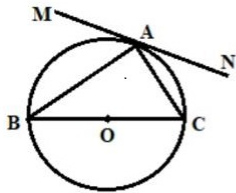
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Ans ✗ 1. 45°

✗ 2. 84°

✓ 3. 48°

✗ 4. 42°

Q.25 The profit earned by selling an article for ₹832 is equal to the loss incurred when the article is sold for ₹448. What should be the selling price (in ₹) to make a profit of 10%?

Ans   ✗ 1.   750

      ✗ 2.   640

      ✔ 3.   704

      ✗ 4.   715

Question ID : **65497844237**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

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

I am expected to follow all your instructions, _____?

Ans   ✔ 1. aren't I

      ✗ 2. is it

      ✗ 3. am I

      ✗ 4. isn't it

Question ID : **65497844281**
Status : **Answered**
Chosen Option : **1**

Q.2 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

It has been / raining intermittently / since two days.

Ans   ✗ 1. raining intermittently

      ✗ 2. No error

      ✗ 3. It has been

      ✔ 4. since two days

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Question ID : **65497844358**
Status : **Answered**
Chosen Option : **2**

Q.3 Select the option that can be used as a one-word substitute for the given group of words.

A person who travels on foot.

Ans   ✔ 1. Pedestrian

      ✗ 2. Dweller

      ✗ 3. Flyer

      ✗ 4. Rover

Question ID : **65497844279**
Status : **Answered**
Chosen Option : **1**

Q.4 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Such was his performance that the audience gave a standing ovation.

Ans ✗ 1. So was

✓ 2. No substitution required

✗ 3. Such as

✗ 4. Much was

Question ID : **65497843057**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the option that gives the most appropriate meaning of the underlined idiom.

The new electrician is a green horn, but will learn fast.

Ans ✗ 1. Professional

✗ 2. Proficient

✓ 3. Inexperienced

✗ 4. Efficient

Question ID : **65497843064**
Status : **Answered**
Chosen Option : **3**

Q.6 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

She performed / the task / at the best / of her ability.

Ans ✗ 1. of her ability

✓ 2. at the best

✗ 3. the task

✗ 4. She performed

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Question ID : **65497842539**
Status : **Answered**
Chosen Option : **2**

Q.7 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Several minutes passed / before she returned / carry milk / for the dog.

Ans ✗ 1. before she returned

✗ 2. Several minutes passed

✗ 3. for the dog

✓ 4. carry milk

Question ID : **65497842138**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the correct passive voice form of the given sentence.

The children are doing hard work.

Ans ✅ 1. Hard work is being done by the children.

❌ 2. Hard work was being done by the children.

❌ 3. Hard work had been done by the children.

❌ 4. Hard work is done by the children.

Question ID : **65497843250**
Status : **Answered**
Chosen Option : **1**

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

Sticky fingers

Ans ❌ 1. A tendency to interfere

❌ 2. A habit of licking fingers

✅ 3. An inclination to steal

❌ 4. A tendency to forget

Question ID : **65497842156**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the most appropriate synonym of the given word.

Commute

Ans ✅ 1. Convert

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❌ 2. Condense

❌ 3. Consume

❌ 4. Conserve

Question ID : **65497844273**
Status : **Answered**
Chosen Option : **3**

Q.11 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 Taj Mahal / is one of / the most beautiful / creation in the world.

Ans ❌ 1. the most beautiful

❌ 2. The Taj Mahal

❌ 3. is one of

✅ 4. creation in the world

Question ID : **65497844258**
Status : **Not Answered**
Chosen Option : **--**

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

Arrest the thief.

Ans ✗ 1. The thief has been arrested.

✗ 2. The thief is arrested.

✗ 3. Let the thief is arrested.

✓ 4. Let the thief be arrested.

Question ID : **65497844261**
Status : **Answered**
Chosen Option : **4**

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

Obstruct

Ans ✗ 1. Approve

✗ 2. Match

✓ 3. Block

✗ 4. Permit

Question ID : **65497843262**
Status : **Answered**
Chosen Option : **3**

Q.14 Select the INCORRECTLY spelt word.

Ans ✗ 1. Ensure

✗ 2. Purity

✗ 3. Adjourn

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✓ 4. Exhast

Question ID : **65497844280**
Status : **Answered**
Chosen Option : **4**

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

"What is Sonia saying?" said Rohit.

Ans ✓ 1. Rohit asked what Sonia was saying.

✗ 2. Rohit asked that what was Sonia saying.

✗ 3. Rohit asked what is Sonia saying.

✗ 4. Rohit asked what was Sonia saying.

Question ID : **65497842147**
Status : **Answered**
Chosen Option : **1**

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

Altercation

Ans   ✗ 1. Quarrel

   ✔ 2. Agreement

   ✗ 3. Argument

   ✗ 4. Controversy

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

In the olden days, many <u>people use to think</u> that the earth was flat.

Ans   ✗ 1. people were used to think

   ✗ 2. people were thinking

   ✗ 3. No substitution required

   ✔ 4. people used to think

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Q.18 Given below are four sentences which are jumbled. Pick the option that gives their correct order.

A. It also wants to know how many students have been provided nutritious food and improved their overall health.
B. The Midday Meal Scheme, that aims to provide free food to children, is in focus again.
C. About 1.3 million government schools are covered under this welfare program of children.
D. The Government now wants to take stock of the implementation of the program,

Ans   ✗ 1. ADBC

   ✗ 2. BACD

   ✗ 3. ADCB

   ✔ 4. BCDA

Q.19 Select the option that can be used as a one-word substitute for the given group of words.

A fixed sum paid annually

Ans   ✗ 1. Alimony

   ✗ 2. Bonus

   ✔ 3. Annuity

   ✗ 4. Honorarium

Q.20 Select the most appropriate ANTONYM of the given word.

Spacious

Ans ✘ 1. Boundless

✘ 2. Roomy

✘ 3. Extensive

✔ 4. Cramped

Comprehension:

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

There is so much (1) _____ and confusion in life today because the goal of human beings is not clear. Each person (2) _____ to fulfil his desires and dreams without (3) _____ the interest of the other. When we have a (4) _____ motive, we lose the sense of the higher objective of attaining happiness. Therefore, there is lot of (5) _____ in our life.

SubQuestion No : 21

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

Ans ✘ 1. certainty

✔ 2. uncertainty

✘ 3. positivity

✘ 4. reliability

Comprehension:

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

There is so much (1) _____ and confusion in life today because the goal of human beings is not clear. Each person (2) _____ to fulfil his desires and dreams without (3) _____ the interest of the other. When we have a (4) _____ motive, we lose the sense of the higher objective of attaining happiness. Therefore, there is lot of (5) _____ in our life.

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SubQuestion No : 22

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

Ans ✘ 1. want

✔ 2. wants

✘ 3. have want

✘ 4. has want

Comprehension:

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

There is so much (1) _____ and confusion in life today because the goal of human beings is not clear. Each person (2) _____ to fulfil his desires and dreams without (3) _____ the interest of the other. When we have a (4) _____ motive, we lose the sense of the higher objective of attaining happiness. Therefore, there is lot of (5) _____ in our life.

SubQuestion No : 23

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

Ans ✗ 1. describing

✔ 2. considering

✗ 3. disregarding

✗ 4. excluding

Comprehension:

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

There is so much (1) _____ and confusion in life today because the goal of human beings is not clear. Each person (2) _____ to fulfil his desires and dreams without (3) _____ the interest of the other. When we have a (4) _____ motive, we lose the sense of the higher objective of attaining happiness. Therefore, there is lot of (5) _____ in our life.

SubQuestion No : 24

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

Ans ✔ 1. selfish

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✗ 2. selfless

✗ 3. humane

✗ 4. noble

Comprehension:

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

There is so much (1) _____ and confusion in life today because the goal of human beings is not clear. Each person (2) _____ to fulfil his desires and dreams without (3) _____ the interest of the other. When we have a (4) _____ motive, we lose the sense of the higher objective of attaining happiness. Therefore, there is lot of (5) _____ in our life.

SubQuestion No : 25

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

Ans
   ✔ 1. strife

   ✘ 2. peace

   ✘ 3. concord

   ✘ 4. harmony

Question ID : **65497844267**
Status : **Answered**
Chosen Option : **1**