Combined Graduate Level Examination 2021 Tier - I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	13/04/2022
Exam Time	9:00 AM - 10:00 AM
Subject	CGLE 2021 Tier I

Section : **General Intelligence and Reasoning**

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

24, ?, 52, 312, 320

Ans ✗ 1. 42

✗ 2. 35

✗ 3. 30

✔ 4. 48

Question ID : **65497843485**
Status : **Answered**
Chosen Option : **4**

Q.2 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 employees are tax-payers.
Some employees are farmers.
Some farmers are doctors.

Conclusions:
I. No farmer is a tax-payer.
II. Some farmers are tax-payers.

Ans ✔ 1. Only conclusion II follows.

✗ 2. Only conclusion I follows.

✗ 3. Both the conclusions follow.

✗ 4. Either conclusion I or II follows.

Question ID : **65497843989**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ECDR, BGYW, YKTB, VOOG, ?, PWEQ

Ans ✓ 1. SSJL

✗ 2. RSIL

✗ 3. SRJL

✗ 4. SSKM

Question ID : **65497843979**
Status : **Answered**
Chosen Option : **1**

Q.4 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.
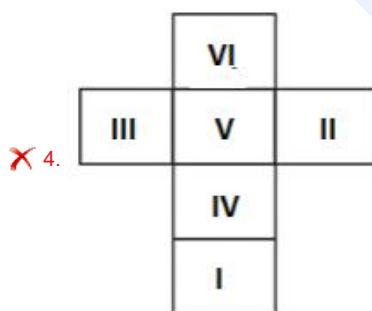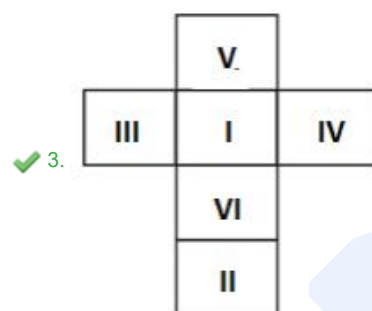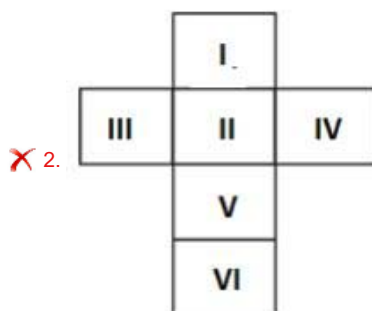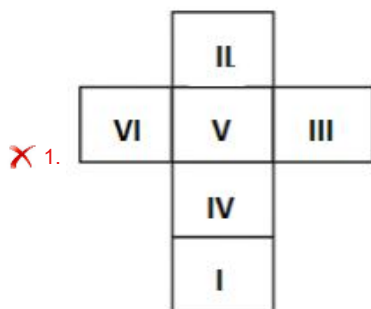
Ans ✗ 1. BUMD

✗ 2. WPHY

✗ 3. MFXO

✓ 4. GZSH

Question ID : **65497843476**
Status : **Answered**
Chosen Option : **4**

Q.5 Two orientations of a dice are shown. This dice can be obtained by folding which of the option figures along the lines?

Ans

✗ 1.

	II	
VI	V	III
	IV	
	I	

✗ 2.

	I	
III	II	IV
	V	
	VI	

✓ 3.

	V	
III	I	IV
	VI	
	II	

✗ 4.

	VI	
III	V	II
	IV	
	I	

Question ID : **65497842785**
Status : **Answered**
Chosen Option : **3**

Q.6 Select the option that is related to the third term in the same way as the second term is related to the first term.

IVORY : ZWSPJ :: CREAM : ?

Ans ✗ 1. BQDZL

✗ 2. NFDQB

✗ 3. DSFCN

✔ 4. SNFDB

Question ID : **65497843073**

Status : **Answered**

Chosen Option : **2**

Q.7 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Magnetic
2. Magnify
3. Magnet
4. Magical
5. Majesty

Ans ✗ 1. 4, 3, 2, 1, 5

✔ 2. 4, 3, 1, 2, 5

✗ 3. 4, 1, 3, 2, 5

✗ 4. 3, 1, 4, 2, 5

Question ID : **65497843576**

Status : **Answered**

Chosen Option : **1**

Q.8 Five friends, H, I, J, K and L, are top rank holders of a school. The rank of H is just above the rank of K and just below the rank of L. I is at the top rank and J is not at the lowest rank. Who among them is at the lowest rank?

Ans ✗ 1. M

✗ 2. L

✔ 3. K

✗ 4. J

Question ID : **65497842069**

Status : **Answered**

Chosen Option : **4**

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

28 + 14 × 7 ÷ 5 − 18 = 20

Ans ✗ 1. ÷ and +

✗ 2. ÷ and −

✗ 3. + and ×

✔ 4. ÷ and ×

Question ID : **65497843996**

Status : **Answered**

Chosen Option : **1**

Q.10 Which two signs need to be interchanged to make the following equation correct?

72 × 18 ÷ 9 + 19 − 39 = 16

Ans ✗ 1. − and ×

✗ 2. + and ×

✗ 3. − and +

✓ 4. ÷ and ×

Question ID : **65497842076**

Status : **Answered**

Chosen Option : **4**

Q.11 In a certain code language, 'POTATO' is coded as 32-30-40-2-40-30 and 'TURNIP' is coded as 40-42-36-28-18-32. How will 'RADISH' be coded in that language?

Ans ✗ 1. 36-1-4-19-16

✗ 2. 18-2-4-19-18

✗ 3. 18-1-8-38-18

✓ 4. 36-2-8-38-16

Question ID : **65497842772**

Status : **Answered**

Chosen Option : **4**

Q.12 Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.15

15 81 12
18 99 15
17 120 ?

Ans ✗ 1. 11

✓ 2. 13

✗ 3. 9

✗ 4. 16

Question ID : **65497843489**

Status : **Answered**

Chosen Option : **2**

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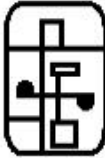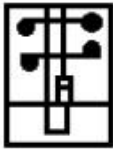

Ans

✅ 1.

❌ 2.

❌ 3.

❌ 4.

Question ID : **65497843495**
Status : **Answered**
Chosen Option : **1**

Q.14 In a class of 98 students, all play at least one of the three games — snooker, chess and tennis. 42 students play snooker, 49 play tennis, and 43 play chess. The total number of students who play any and only two games is 29. 5 students play all the three games. The number of students who play only snooker and only chess is equal. 11 students play only snooker and tennis. 6 students play only snooker and chess. How many students play only tennis?

Ans ✅ 1. 21

❌ 2. 23

❌ 3. 20

❌ 4. 22

Question ID : **65497843084**
Status : **Not Answered**
Chosen Option : **--**

Q.15 In a certain code language, 'this is fact' is written as 'cuz duz ruz', 'fact is fictional' is written as 'guz ruz cuz', and 'doubt is clear' is written as 'cuz kuz buz'. How will 'this is fictional' be written in that language?

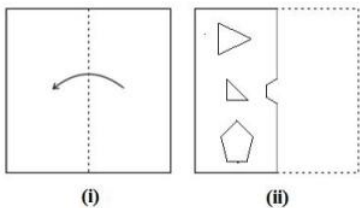**Ans** ❌ 1. duz guz ruz

❌ 2. duz buz cuz

❌ 3. kuz guz ruz

✅ 4. duz guz cuz

Question ID : **65497843480**
Status : **Answered**
Chosen Option : **4**

Q.16 The sequence of folding a piece of paper (figure i) and the manner in which the folded paper has been cut (figures ii)
is shown in the following figures. Select the option that would most closely resemble the unfolded form of figure (ii).
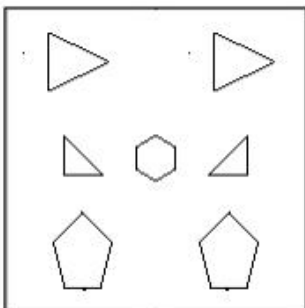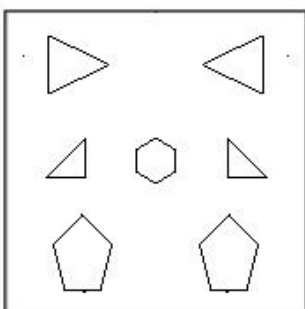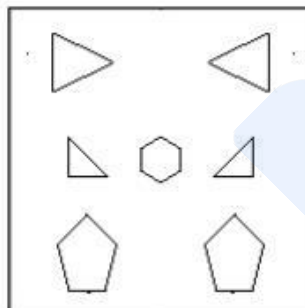

(i)   (ii)

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
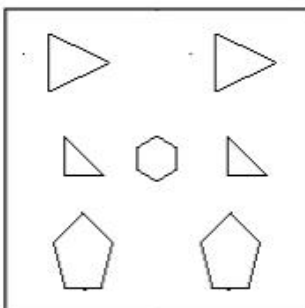
Question ID : **65497842790**
Status : **Answered**
Chosen Option : **3**

Q.17 Select the Venn diagram that best illustrates the relationship between the following classes.

Athletes, Boys, Students

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.
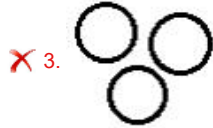
Question ID : **65497843094**

Status : **Answered**

Chosen Option : **2**

Q.18 Select the option that is related to the third number in the same way as the second number is related to the first number.

27 : 576 :: 19 : ?

Ans ✗ 1. 328

✗ 2. 543

✓ 3. 256

✗ 4. 498

Question ID : **65497842780**

Status : **Answered**

Chosen Option : **3**

Q.19 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
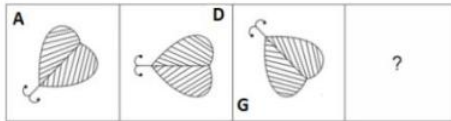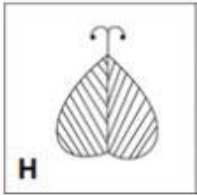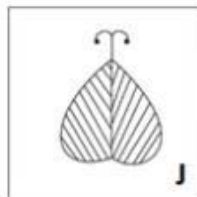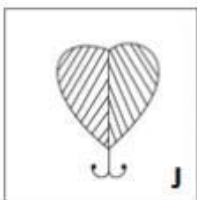
Question ID : **65497842079**
Status : **Answered**
Chosen Option : **3**

Q.20 Pointing towards a woman, Reena said, "She is the only daughter of my father-in-law."
How is the woman related to Reena?

Ans ✗ 1. Sister

✗ 2. Mother

✗ 3. Daughter

✔ 4. Sister-in-law

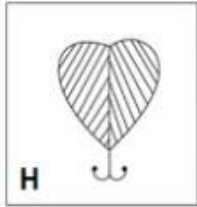Question ID : **65497842068**
Status : **Answered**
Chosen Option : **4**

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

74, 74, 72, 24, ?, 4

Ans ✗ 1. 21

✓ 2. 20

✗ 3. 15

✗ 4. 9

Question ID : **65497843991**

Status : **Answered**

Chosen Option : **2**

Q.22 In a certain code language, 'FOREST' is written as 'GUSITU', and 'MANGROVE' is written as 'NEOHSUWI'. How will 'REINCARNATE' be written in that language?

Ans ✓ 1. SIOODESOEUI

✗ 2. SFOFDESOBUI

✗ 3. QIOQDESOEUF

✗ 4. SIOODESOEFF

Question ID : **65497844084**

Status : **Answered**

Chosen Option : **1**

Q.23 Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
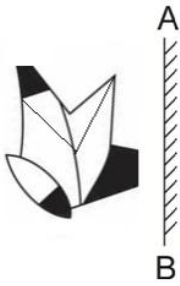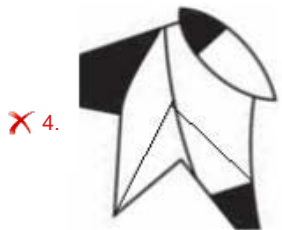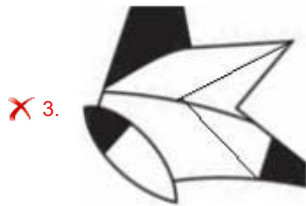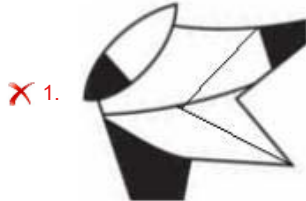
Question ID : 65497842082
Status : **Answered**
Chosen Option : **2**

Q.24 Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the face having the number '3'.
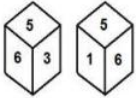
Ans ✗ 1. 2

  ✔ 2. 1

  ✗ 3. 6

  ✗ 4. 4

Question ID : **65497843999**
Status : **Answered**
Chosen Option : **2**

Q.25 Which letter will replace the question mark (?) in the following letter series?

E, J, N, Q, S, ?

Ans ✔ 1. T

  ✗ 2. V

  ✗ 3. U

  ✗ 4. S

Question ID : **65497844087**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 Who among the following won P4 gold at the Al Ain 2021 Para Shooting World Cup in March 2021?

Ans ✔ 1. Manish Narwal

  ✗ 2. Singhraj Adhana

  ✗ 3. Rahul Jakhar

  ✗ 4. Deepender Singh

Question ID : **65497843119**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Acidic nature of soil is shown by high concentration of _____.

Ans ✔ 1. hydrogen

  ✗ 2. phosphorous

  ✗ 3. nitrogen

  ✗ 4. oxygen

Question ID : **65497844016**
Status : **Answered**
Chosen Option : **2**

Q.3 Who among the following is the Director of The Nehru Centre in London as of April 2021?

Ans ✓ 1. Amish Tripathi

✗ 2. Chetan Bhagat

✗ 3. Vikram Seth

✗ 4. Amitav Ghosh

Question ID : **65497842810**

Status : **Answered**

Chosen Option : **3**

Q.4 In which of the following places is the difference between the day and night temperatures likely to be the highest?

Ans ✗ 1. Chilika Lake

✗ 2. Mount Everest

✓ 3. Thar Desert

✗ 4. Andaman and Nicobar Islands

Question ID : **65497844009**

Status : **Answered**

Chosen Option : **3**

Q.5 The Minimum Support Price (MSP) for which of the following Rabi crops was increased by ₹50 per quintal over the previous year, in the marketing season 2021-22?

Ans ✗ 1. Barley

✗ 2. Gram

✗ 3. Safflower

✓ 4. Wheat

Question ID : **65497843098**

Status : **Answered**

Chosen Option : **4**

Q.6 The rooftop of Guru Hemkund Sahib is in the shape of an upturned _____.

Ans ✓ 1. lotus

✗ 2. sunflower

✗ 3. rose

✗ 4. marigold

Question ID : **65497844005**

Status : **Not Answered**

Chosen Option : **--**

Q.7 Which of the following Indian Acts was passed in the year 2005?

Ans ✗ 1. The Biological Diversity Act

✗ 2. The Prevention of Money-Laundering Act

✗ 3. The Competition Act

✓ 4. The Protection of Women from Domestic Violence Act

Question ID : **65497842106**
Status : **Answered**
Chosen Option : **4**

Q.8 The _____ radiation belts are giant swaths of magnetically trapped highly energetic charged particles that surround Earth.

Ans ✓ 1. Van Allen

✗ 2. Aurora

✗ 3. Kuiper

✗ 4. Chinook

Question ID : **65497843103**
Status : **Answered**
Chosen Option : **2**

Q.9 Madagascar is located in the _____ Ocean.

Ans ✗ 1. Pacific

✗ 2. Arctic

✓ 3. Indian

✗ 4. Atlantic

Question ID : **65497842096**
Status : **Answered**
Chosen Option : **3**

Q.10 _____ received the 'Global Goalkeeper' Award by Bill and Melinda Gates Foundation for Swachh Bharat Abhiyan, on 24 September 2019.

Ans ✗ 1. Ramnath Kovind

✓ 2. Narendra Modi

✗ 3. Pranab Mukherjee

✗ 4. Manmohan Singh

Question ID : **65497843105**
Status : **Answered**
Chosen Option : **2**

Q.11 Where in India is the 'slash and burn' agriculture known as 'Kuruwa'?

Ans ✗ 1. Western Ghats

✗ 2. Himalayan Belt

✗ 3. State of Odisha

✓ 4. State of Jharkhand

Question ID : **65497843512**
Status : **Answered**
Chosen Option : **4**

Q.12 With a donation of ₹7,904 crore, _____ was declared the most generous philanthropist in India by the 'EdelGive Hurun India Philanthropy List 2020'.

Ans ✅ 1. Azim Premji

❌ 2. Kumar Mangalam Birla

❌ 3. Mukesh Ambani

❌ 4. Shiv Nadar

Question ID : **65497842102**
Status : **Answered**
Chosen Option : **1**

Q.13 Which of the following events occurred first during the Indian National Movement?

Ans ❌ 1. Arrival of Simon Commission

✅ 2. Partition of Bengal

❌ 3. Kheda Satyagraha

❌ 4. Dandi March

Question ID : **65497842808**
Status : **Answered**
Chosen Option : **2**

Q.14 The _____ Amendment of the Constitution of India envisages the Gram Sabha as the foundation of the Panchayat Raj System to perform functions and powers entrusted to it by the State Legislatures.

Ans ❌ 1. 71st

❌ 2. 72nd

✅ 3. 73rd

❌ 4. 74th

Question ID : **65497843521**
Status : **Answered**
Chosen Option : **3**

Q.15 _____ is a vocal form of music from the state of Punjab.

Ans ❌ 1. Qawwali

❌ 2. Ghazal

✅ 3. Tappa

❌ 4. Bhajan

Question ID : **65497843499**
Status : **Answered**
Chosen Option : **3**

Q.16 Dantidurga, who set up his capital at Malkhed was a _____ ruler.

Ans ✗ 1. Pala

✗ 2. Pratihara

✓ 3. Rashtrakuta

✗ 4. Satavahana

Question ID : **65497843513**
Status : **Answered**
Chosen Option : **3**

Q.17 Badminton player _____ won the All England Open men's single title in March 2021.

Ans ✗ 1. Lee Chong Wei

✗ 2. Momota Kento

✗ 3. Viktor Axelsen

✓ 4. Lee Zii Jia

Question ID : **65497844027**
Status : **Not Answered**
Chosen Option : **--**

Q.18 As per Economic Survey 2020-2021, India's real GDP is estimated to grow by _____ in financial year 2021-22.

Ans ✗ 1. 3%

✓ 2. 11%

✗ 3. 7%

✗ 4. 9%

Question ID : **65497842089**
Status : **Answered**
Chosen Option : **4**

Q.19 The range of _____ force is of the order of 10^{-16} m.

Ans ✗ 1. electromagnetic

✗ 2. gravitational

✗ 3. strong nuclear

✓ 4. weak nuclear

Question ID : **65497843505**
Status : **Answered**
Chosen Option : **4**

Q.20 Which of the following Amendments to the Constitution of India was passed with the primary objective to constitutionally encode the re-organisation of Indian States based on language?

Ans   ✗ 1. Tenth Amendment

     ✗ 2. Sixth Amendment

     ✓ 3. Seventh Amendment

     ✗ 4. Fourth Amendment

Question ID : **65497842812**
Status : **Answered**
Chosen Option : **3**

Q.21 In the Rigvedas there is a hymn in the form of a dialogue between Sage Vishvamitra and two rivers that were worshipped as goddesses. Which are these rivers?

Ans   ✗ 1. Alakananda and Bhagirathi

     ✗ 2. Ravi and Chenab

     ✗ 3. Ganga and Yamuna

     ✓ 4. Beas and Sutlej

Question ID : **65497844019**
Status : **Answered**
Chosen Option : **2**

Q.22 Who among the following was the first Dr Shanti Swarup Bhatnagar awardee?

Ans   ✗ 1. MN Saha

     ✓ 2. KS Krishnan

     ✗ 3. CV Raman

     ✗ 4. S Chandrasekhar

Question ID : **65497843114**
Status : **Not Answered**
Chosen Option : **--**

Q.23 The _____ aims to provide tap water connection to every rural home by 2024.

Ans   ✗ 1. Jal Kranti Abhiyan

     ✗ 2. Jal Shakti Abhiyan

     ✗ 3. Atal Bhujal Yojana

     ✓ 4. Jal Jeevan Mission

Question ID : **65497842094**
Status : **Answered**
Chosen Option : **3**

Q.24 As per Union Budget 2021-22, Fiscal deficit is estimated at _____ per cent of GDP in 2021-22.

Ans ✗ 1. 5.1

✔ 2. 6.8

✗ 3. 7.6

✗ 4. 7.2

Question ID : **65497842794**

Status : **Answered**

Chosen Option : **2**

Q.25 _____ refers to an environment in which oxygen is readily available.

Ans ✗ 1. Anthropogenic

✗ 2. Anaerobic

✔ 3. Aerobic

✗ 4. Acidification

Question ID : **65497842799**

Status : **Answered**

Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 13, a, b, c are four distinct numbers and the HCF of each pair of numbers (13, a); (13, b); (13, c) is 13, where a, b, c are each less than 60 and $a < b < c$. What is the value of $\frac{a+c}{b}$?

Ans ✗ 1. 3.5

✔ 2. 2

✗ 3. 5

✗ 4. 4.5

Question ID : **65497843121**

Status : **Not Answered**

Chosen Option : **--**

Q.2 A train covers a distance of 225 km in $2\frac{1}{2}$ hours with a uniform speed. The time taken, in hours, to cover a distance of 450 km with the same speed is:

Ans ✔ 1. 5

✗ 2. 4

✗ 3. 3

✗ 4. 6

Question ID : **65497842827**

Status : **Answered**

Chosen Option : **1**

Q.3 In $\triangle ABC$, D is a point on side BC such that $\angle ADC = \angle BAC$. If CA = 12 cm, CD = 8 cm, then CB (in cm) = ?

Ans

✔ 1. 18

✘ 2. 12

✘ 3. 15

✘ 4. 10

Question ID : **65497842833**

Status : **Answered**

Chosen Option : **1**

Q.4 Find the value of the following expression:

$$\frac{\tan^3 45° + 4\cos^3 60°}{2\csc^2 45° - 3\sec^2 30° + \sin 30°}$$

Ans

✘ 1. $\dfrac{3}{4}$

✘ 2. $1 + \sqrt{2}$

✘ 3. $\dfrac{4}{3}$

✔ 4. 3

Question ID : **65497842129**

Status : **Answered**

Chosen Option : **4**

Q.5 A, B and C start a business. A invests $33\frac{1}{3}\%$ of the total capital, B invests 25% of the remaining and C, the rest. If the total profit at the end of the year is ₹2,19,000, then A's share (in ₹) is:

Ans

✘ 1. 65,000

✘ 2. 71,000

✔ 3. 73,000

✘ 4. 79,000

Question ID : **65497842824**

Status : **Answered**

Chosen Option : **3**

Q.6 Chords AB and CD of a circle, when produced, meet at the point P. If AB = 6.3 cm, BP = 4.5 cm, and CD = 3.6 cm, then the length (in cm) of PD is

Ans

✘ 1. 4.8 cm

✘ 2. 3.5 cm

✘ 3. 3.1 cm

✔ 4. 5.4 cm

Question ID : **65497844044**

Status : **Answered**

Chosen Option : **4**

Q.7 The average of five numbers is 30. If one number is excluded, the average becomes 31. What is the excluded number?

Ans
- ✔ 1. 26
- ✘ 2. 24
- ✘ 3. 31
- ✘ 4. 30

Question ID : **65497844643**
Status : **Answered**
Chosen Option : **1**

Q.8 A cylindrical vessel of diameter 32 cm is partially filled with water. A solid metallic sphere of radius 12 cm is dropped into it. What will be the increase in the level of water in the vessel (in cm)?

Ans
- ✔ 1. 9
- ✘ 2. 72
- ✘ 3. 27
- ✘ 4. 2.25

Question ID : **65497842122**
Status : **Answered**
Chosen Option : **1**

Q.9 If $5\sin\theta - 4\cos\theta = 0$, $0° < \theta < 90°$, then the value of $\frac{5\sin\theta + 2\cos\theta}{5\sin\theta + 3\cos\theta}$ is:

Ans
- ✘ 1. $\dfrac{4}{7}$
- ✔ 2. $\dfrac{6}{7}$
- ✘ 3. $\dfrac{2}{7}$
- ✘ 4. $\dfrac{3}{7}$

Question ID : **65497842835**
Status : **Answered**
Chosen Option : **2**

Q.10 If the length of a diagonal of a square is (a+b), then the area of the square is:

Ans

✗ 1. $a^2 + b^2$

✔ 2. $\frac{1}{2}\left(a^2 + b^2\right) + ab$

✗ 3. $a^2 + b^2 + 2ab$

✗ 4. $\frac{1}{2}\left(a^2 + b^2\right)$

Question ID : **65497844641**
Status : **Answered**
Chosen Option : **4**

Q.11 The given pie charts show the monthly household expenditure of Family A and Family B under various heads. The monthly expenditures incurred for Family A and Family B are ₹50,000 and ₹75,000, respectively.

Study the charts carefully and answer the question that follows.

Monthly Household Expenditure of ₹50,000 under various heads of Family A
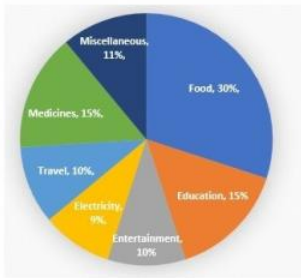
Monthly household expenditure of ₹75,000 under various heads for Family B
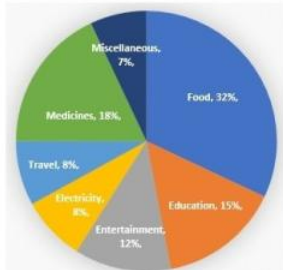
If the monthly expenditures of both families are combined together then the expenditures on Entertainment of both families together will be what percentage of the total monthly expenditures of both families? Express your answer to the nearest integer.

Ans

✗ 1. 23%

✗ 2. 10%

✗ 3. 22%

✔ 4. 11%

Question ID : **65497843142**
Status : **Not Answered**
Chosen Option : **--**

Q.12 If $x + y + z = 18, xyz = 81$ and $xy + yz + zx = 90$, then the value of $x^3 + y^3 + z^3 + xyz$ is:

Ans
- ✗ 1. 1321
- ✔ 2. 1296
- ✗ 3. 1225
- ✗ 4. 1250

Question ID : **65497842830**
Status : **Answered**
Chosen Option : **2**

Q.13 A tea seller used to make 50% of profit by selling tea at ₹9 per cup. When the cost of ingredients increased by 25%, he started selling tea at ₹10 per cup. What is his profit percentage now?

Ans
- ✗ 1. $33\dfrac{2}{3}$
- ✗ 2. 25
- ✔ 3. $33\dfrac{1}{3}$
- ✗ 4. 30

Question ID : **65497842116**
Status : **Answered**
Chosen Option : **3**

Q.14 If 4 men and 6 boys can do a work in 8 days and 6 men and 4 boys can do the same work in 7 days, then how many days will 5 men and 4 boys take to do the same work?

Ans
- ✗ 1. 6
- ✔ 2. 8
- ✗ 3. 5
- ✗ 4. 7

Question ID : **65497842119**
Status : **Answered**
Chosen Option : **2**

Q.15 A shopkeeper allows 28% discount on the marked price of an article and still makes a profit of 20%. If he gains ₹3,080 on the sale of one article, then what is the selling price (in ₹) of the article?

Ans
- ✗ 1. $14,880$
- ✔ 2. $18,480$
- ✗ 3. $18,840$
- ✗ 4. $10,884$

Question ID : **65497844654**
Status : **Answered**
Chosen Option : **2**

Q.16 What is the value of x, if

$$5\left(1 - \frac{x}{5}\right) - (5 - x) - \frac{1}{200} \text{ of } (20 - x) = 0.08?$$

Ans
- ✓ 1. 36
- ✗ 2. 9
- ✗ 3. 18
- ✗ 4. 24

Question ID : **65497843122**
Status : **Answered**
Chosen Option : **3**

Q.17 In a triangle ABC, D and E are points on BC such that AD = AE and ∠BAD = ∠CAE. If AB = (2p + 3), BD = 2p, AC = (3q − 1) and CE = q, then find the value of (p + q).

Ans
- ✓ 1. 3
- ✗ 2. 4.5
- ✗ 3. 3.6
- ✗ 4. 2

Question ID : **65497842127**
Status : **Not Answered**
Chosen Option : **--**

Q.18 In a circle of diameter 20 cm, chords AB and CD are parallel to each other. BC is diameter. If AB is 6 cm from the centre of the circle, what is the length (in cm) of the chord CD?

Ans
- ✗ 1. 8
- ✗ 2. 12
- ✗ 3. 20
- ✓ 4. 16

Question ID : **65497843538**
Status : **Answered**
Chosen Option : **1**

Q.19 A kite flying at a height of 120 m is attached to a string which makes an angle of 60° with the horizontal. What is the length (in m) of the string?

Ans
- ✗ 1. $90\sqrt{3}$
- ✗ 2. $75\sqrt{3}$
- ✗ 3. $84\sqrt{3}$
- ✓ 4. $80\sqrt{3}$

Question ID : **65497843140**
Status : **Answered**
Chosen Option : **4**

Q.20 The given pie chart represents the percentage-wise distribution of the total number of vanilla cakes and chocolate cakes sold every day. The total number of cakes sold in a week = 10500. Study the pie chart and answer the question that follows.
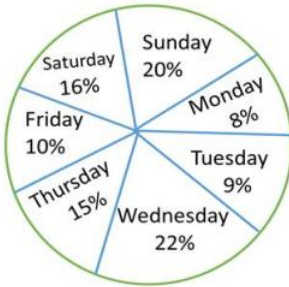
The ratio of vanilla cakes sold to chocolate cakes sold on Friday is 4:3. If the price of one vanilla cake is ₹9 and that of one chocolate cake is ₹10, then the total amount earned (in ₹) by selling all vanilla cakes and chocolate cakes on Friday is:

Ans
✗ 1. 8,900

✗ 2. 10,000

✔ 3. 9,900

✗ 4. 11,000

Question ID : **65497844254**
Status : **Answered**
Chosen Option : **3**

Q.21 Simple interest on a certain sum is one-fourth of the sum and the interest rate percentage per annum is 4 times the number of years. If the rate of interest increases by 2%, then what will be the simple interest (in ₹) on ₹5,000 for 3 years?

Ans
✗ 1. 300

✗ 2. 1,500

✗ 3. 2,000

✔ 4. 1,800

Question ID : **65497843532**
Status : **Answered**
Chosen Option : **4**

Q.22 The given bar graph shows the income and expenditure (in crores ₹) of a company over 5 years, from 2014 to 2018. Study the bar graph and answer the question that follows.
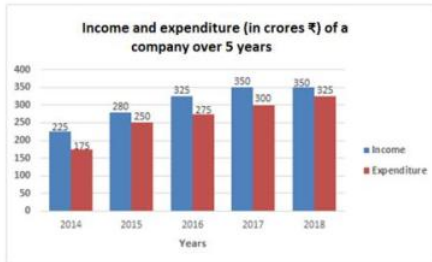
In which of the following years is the ratio of expenditure to income the minimum?

Ans
  ✗ 1. 2016
  ✗ 2. 2017
  ✗ 3. 2018
  ✔ 4. 2014

Question ID : **65497842537**
Status : **Answered**
Chosen Option : **3**

Q.23 If the 9-digit number $7x79251y8$ is divisible by 36, What is the value of $(10x^2 - 3y^2)$ for the largest possible value of y?

Ans
  ✗ 1. 490
  ✗ 2. 289
  ✗ 3. 192
  ✔ 4. 298

Question ID : **65497844029**
Status : **Not Answered**
Chosen Option : **--**

**Q.24** In a factory with 400 employees, the ratio of the number of male employees to that of female employees is 5 : 3. There are 87.5% regular employees in the factory. If 92% of male employees are regular employees, then what is the percentage of regular female employees?

Ans
  ✔ 1. 80%
  ✗ 2. 78%
  ✗ 3. 87.5%
  ✗ 4. 85%

Question ID : **65497844034**
Status : **Answered**
Chosen Option : **1**

Q.25 The following histogram shows the marks scored by 40 students in a test of 30 marks. A student has to score a minimum of 10 marks to pass the test.

How many students have passed the test and obtained less than 50% marks?

Marks scored in 30 marks test
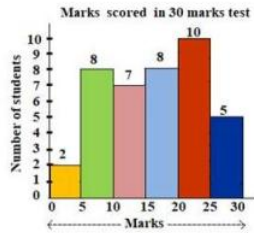
Ans ✗ 1. 17

✔ 2. 7

✗ 3. 15

✗ 4. 10

Question ID : **65497843548**

Status : **Answered**

Chosen Option : **1**

Section : **English Comprehension**

Q.1 Select the option that expresses the given sentence in direct speech.

Manan said that he had no work to do that day.

Ans ✔ 1. Manan said, "I have no work to do today."

✗ 2. Manan said, "I have no work to do that day."

✗ 3. Manan said, "Have I no work to do today?"

✗ 4. Manan says, "I had no work to do that day."

Question ID : **65497843561**

Status : **Answered**

Chosen Option : **1**

Q.2 Select the most appropriate synonym of the given word.

Lacuna

Ans ✗ 1. Misfortune

✗ 2. Languor

✗ 3. Apathy

✔ 4. Hiatus

Question ID : **65497842859**

Status : **Answered**

Chosen Option : **3**

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

Ascent

Ans ✓ 1. Descent

✗ 2. Patent

✗ 3. Present

✗ 4. Resent

Question ID : **65497844072**
Status : **Answered**
Chosen Option : **1**

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

Dark horse

Ans ✗ 1. An honest fellow

✓ 2. An unexpected winner

✗ 3. A mean person

✗ 4. A slow runner

Question ID : **65497844074**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the correct passive voice of the given sentence.

Preeti invited Ritu for a party.

Ans ✗ 1. Ritu is invited for a party by Preeti.

✓ 2. Ritu was invited for a party by Preeti.

✗ 3. Preeti has been invited for a party by Ritu.

✗ 4. Preeti was invited for a party by Ritu.

Question ID : **65497843149**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. The old lady needed love and care **beyond** money.

Ans ✓ 1. besides

✗ 2. No substitution required

✗ 3. beside

✗ 4. beneath

Question ID : **65497844067**
Status : **Answered**
Chosen Option : **1**

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

CLENCH

Ans ✗ 1. Tighten

✗ 2. Clasp

✗ 3. Hold

✓ 4. Relax

Question ID : **65497843568**
Status : **Answered**
Chosen Option : **4**

Q.8 **Select the option that expresses the given sentence in passive voice.**

The Smiths have put up a huge Christmas tree.

Ans ✓ 1. A huge Christmas tree has been put up by the Smiths.

✗ 2. A huge Christmas tree is put up by the Smiths.

✗ 3. A huge Christmas tree is being put up by the Smiths.

✗ 4. A huge Christmas tree was put up by the Smiths.

Question ID : **65497842847**
Status : **Answered**
Chosen Option : **1**

Q.9 **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.

This question / is quite too / simple for me / to answer.

Ans ✗ 1. to answer

✓ 2. is quite too

✗ 3. This question

✗ 4. simple for me

Question ID : **65497842844**
Status : **Answered**
Chosen Option : **2**

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

Drawings or writing scribbled on walls in public places

Ans ✓ 1. Graffiti

✗ 2. Posters

✗ 3. Sketches

✗ 4. Hoardings

Question ID : **65497842158**
Status : **Answered**
Chosen Option : **1**

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

Solemn

Ans ✔ 1. Dignified

✘ 2. Trivial

✘ 3. Excited

✘ 4. Frivolous

Question ID : **65497843161**
Status : **Answered**
Chosen Option : **4**

Q.12 **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.**

There is a very little time / for them to prepare / for the show.

Ans ✘ 1. for them to prepare

✘ 2. for the show

✘ 3. No error

✔ 4. There is a very little time

Question ID : **65497843552**
Status : **Answered**
Chosen Option : **3**

Q.13 **Select the most appropriate option to fill in the blank.**

Harish's voice _____ in the empty rooms of their new house.

Ans ✘ 1. relapsed

✘ 2. reverted

✔ 3. resounded

✘ 4. resorted

Question ID : **65497842160**
Status : **Answered**
Chosen Option : **2**

Q.14 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

If he wants / farther information, / send him / to me.

Ans ✔ 1. farther information

✘ 2. to me

✘ 3. If he wants

✘ 4. send him

Question ID : **65497842943**
Status : **Answered**
Chosen Option : **1**

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

Study of insects

Ans ✓ 1. Entomology

✗ 2. Geology

✗ 3. Ecology

✗ 4. Biology

Question ID : **65497842864**

Status : **Answered**

Chosen Option : **1**

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

Stone's throw

Ans ✓ 1. Short distance

✗ 2. Large hurdle

✗ 3. Difficult problem

✗ 4. Hurt slightly

Question ID : **65497843570**

Status : **Answered**

Chosen Option : **1**

Q.17 Select the INCORRECTLY spelt word.

Ans ✗ 1. Aisle

✗ 2. Adorn

✓ 3. Attick

✗ 4. Altar

Question ID : **65497842866**

Status : **Answered**

Chosen Option : **3**

Q.18 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'.

I imagine you have learnt a valuable lesson from this experience, <u>didn't you?</u>

Ans ✗ 1. did you?

✓ 2. haven't you?

✗ 3. have you?

✗ 4. No substitution required

Question ID : **65497843159**

Status : **Answered**

Chosen Option : **2**

Q.19 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Your eldest sister / lives in / a big city, / does she?

Ans   ✗ 1. lives in

       ✓ 2. does she

       ✗ 3. a big city

       ✗ 4. Your eldest sister

Question ID : **65497843246**
Status : **Answered**
Chosen Option : **2**

Q.20 Given below are four sentences which are jumbled. Pick the option that gives their correct order.

A. It is a Park quite different from any other we have seen.
B. One difference is that it is made from nearly 250 tons of scrap.
C. Another difference is that it is powered by wind and solar energy
D. A new Park called Bharat Darshan Park has been thrown open to the public in New Delhi.

Ans   ✗ 1. ACDB

       ✓ 2. DABC

       ✗ 3. BACD

       ✗ 4. DBCA

Question ID : **65497843160**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If you thought that yoga was all about bending and twisting your body in odd shapes, it's time to rethink. Yoga is (1) _____ more. In very simple words, giving care (2) _____ your body, mind and breath is yoga. Derived (3) _____ the Sankrit word 'yuj' which means 'to unite or integrate', yoga is (4) _____ 5,000-year-old Indian body of knowledge. Yoga is all about harmonising the body (5) _____ the mind and breath through means of various breathing exercises, yoga poses (asanas) and meditation.

SubQuestion No : 21

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

Ans   ✗ 1. many

       ✓ 2. much

       ✗ 3. all

       ✗ 4. few

Question ID : **65497842142**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If you thought that yoga was all about bending and twisting your body in odd shapes, it's time to rethink. Yoga is (1) _____ more. In very simple words, giving care (2) _____ your body, mind and breath is yoga. Derived (3) _____ the Sankrit word 'yuj' which means 'to unite or integrate', yoga is (4) _____ 5,000-year-old Indian body of knowledge. Yoga is all about harmonising the body (5) _____ the mind and breath through means of various breathing exercises, yoga poses (asanas) and meditation.

SubQuestion No : 22

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

Ans   ✗ 1. on

    ✓ 2. to

    ✗ 3. at

    ✗ 4. for

Question ID : **65497842143**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If you thought that yoga was all about bending and twisting your body in odd shapes, it's time to rethink. Yoga is (1) _____ more. In very simple words, giving care (2) _____ your body, mind and breath is yoga. Derived (3) _____ the Sankrit word 'yuj' which means 'to unite or integrate', yoga is (4) _____ 5,000-year-old Indian body of knowledge. Yoga is all about harmonising the body (5) _____ the mind and breath through means of various breathing exercises, yoga poses (asanas) and meditation.

SubQuestion No : 23

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

Ans   ✗ 1. by

    ✓ 2. from

    ✗ 3. of

    ✗ 4. out

Question ID : **65497842144**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If you thought that yoga was all about bending and twisting your body in odd shapes, it's time to rethink. Yoga is (1) _____ more. In very simple words, giving care (2) _____ your body, mind and breath is yoga. Derived (3) _____ the Sankrit word 'yuj' which means 'to unite or integrate', yoga is (4) _____ 5,000-year-old Indian body of knowledge. Yoga is all about harmonising the body (5) _____ the mind and breath through means of various breathing exercises, yoga poses (asanas) and meditation.

SubQuestion No : 24

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

Ans   ✗ 1. one

    ✓ 2. a

    ✗ 3. the

    ✗ 4. an

Question ID : **65497842145**
Status : **Answered**
Chosen Option : **2**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If you thought that yoga was all about bending and twisting your body in odd shapes, it's time to rethink. Yoga is (1) _____ more. In very simple words, giving care (2) _____ your body, mind and breath is yoga. Derived (3) _____ the Sankrit word 'yuj' which means 'to unite or integrate', yoga is (4) _____ 5,000-year-old Indian body of knowledge. Yoga is all about harmonising the body (5) _____ the mind and breath through means of various breathing exercises, yoga poses (asanas) and meditation.

SubQuestion No : 25

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

Ans   ✗ 1. on

    ✗ 2. across

    ✗ 3. at

    ✓ 4. with

Question ID : **65497842146**
Status : **Answered**
Chosen Option : **2**