

## Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	
Exam Date	01/12/2022
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2022

### Section : General Intelligence and Reasoning

Q.1 'A @ B' means 'A is the husband of B'.  
'A & B' means 'A is the mother of B'.  
'A # B' means 'B is the daughter of A'.  
If G # H & I @ J & K, then how is H related to J?

- Ans
- ☒ 1. Mother
  - ☒ 2. Brother
  - ☒ 3. Sister
  - ☒ 4. Mother-in-law

Question ID : 26433068457

Status : Answered

Chosen Option : 4

Q.2

Select the correct mirror image of the given combination when the mirror is placed at line 'MN' as shown.

b j F 8 7 s |  
M  
N

- Ans
- ☒ 1. s L 8 7 j d
  - ☒ 2. z 7 8 7 j d
  - ☒ 3. s L 8 7 f d
  - ☒ 4. z 7 8 f j q

Question ID : 26433068199

Status : Answered

Chosen Option : 2

Q.3 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(40, 120, 400)  
(18, 20, 78)

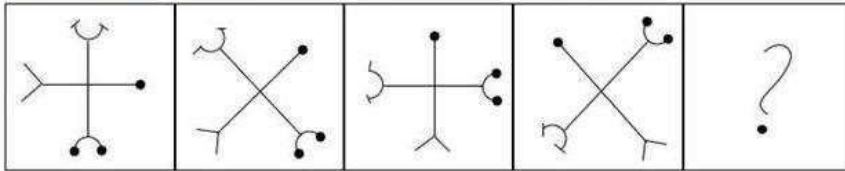
- Ans
- ☒ 1. (29, 23, 98)
  - ☒ 2. (56, 14, 108)
  - ☒ 3. (25, 27, 92)
  - ☒ 4. (11, 720, 660)

Question ID : 26433076706

Status : Not Answered

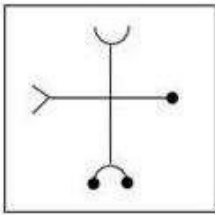
Chosen Option : --

**Q.4** Select the figure that will come next in the following figure series.

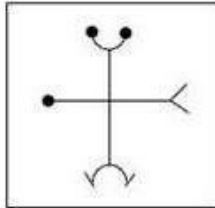


**Ans**

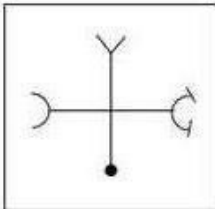
☒ 1.



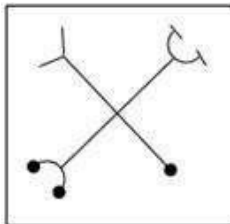
☒ 2.



☒ 3.



☒ 4.



Question ID : 26433068469

Status : Answered

Chosen Option : 2

**Q.5** Select the number from among the given options that can replace the question mark (?) in the following series.  
5, 10, 17, 26, 37, 50, ?

**Ans** ☒ 1. 58

☒ 2. 65

☒ 3. 76

☒ 4. 54

Question ID : 26433067513

Status : Answered

Chosen Option : 2

Q.6 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. Some white are car.

II. No truck is car.

Conclusion:

I. All truck are white.

II. Some car are white.

- Ans ☒ 1. Only conclusion II follows
- ☐ 2. Neither conclusion follows
- ☐ 3. Only conclusion I follows
- ☐ 4. Both conclusions I and II follows

Question ID : 264330104909

Status : Answered

Chosen Option : 1

Q.7 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.

24 : 840 :: 27 : ? :: 33 : 1452

- Ans ☐ 1. 756
- ☐ 2. 297
- ☒ 3. 1026
- ☐ 4. 729

Question ID : 26433068375

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.8 Four letter-clusters have been given out of which three are alike in some manner and one is different. Select the one that is different.

- Ans ☐ 1. MPT
- ☐ 2. FIM
- ☐ 3. GJN
- ☒ 4. DGI

Question ID : 26433068502

Status : Answered

Chosen Option : 4

Q.9 In a certain code language, 'ADVANCE' is written as 'VDAAECN' and 'BABYSIT' is written as 'BABYTIS'. How will 'AFFABLE' be written in that language?

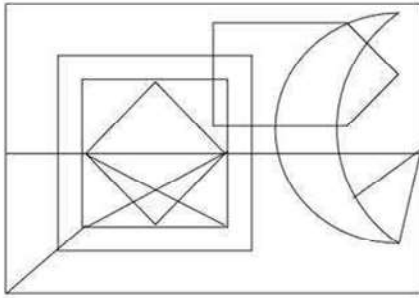
- Ans ☐ 1. FFAALEB
- ☒ 2. FFAAELB
- ☐ 3. FFAEBL
- ☐ 4. AAFELB

Question ID : 26433059884

Status : Answered

Chosen Option : 2

**Q.10** Select the option figure that is embedded in the given figure. (Rotation is not allowed).



**Ans**

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 26433068853

Status : Answered

Chosen Option : 3

**Q.11** Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

BEAR : DFCS :: FEEL : HFGM :: MANY : ?

- ☒ 1. OBPY
- ☒ 2. OCPZ
- ☒ 3. OBPZ
- ☒ 4. OBQZ

Question ID : 26433068510

Status : Answered

Chosen Option : 3

Q.12 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Inundate
2. Invidious
3. Individual
4. Inveterate
5. Invective
6. Invincible
7. Inviolable





Ans  1. 1, 5, 4, 2, 3, 6, 7  
 2. 1, 5, 3, 4, 2, 6, 7  
 3. 3, 1, 5, 4, 2, 6, 7  
 4. 3, 1, 5, 4, 6, 2, 7

Question ID : 26433068931

Status : Answered

Chosen Option : 3

Q.13 If  $A + B$  means that A is the brother of B,  $A \times B$  means that A is the sister of B,  $A \div B$  means that A is the father of B then which of the following expression shows that P is the sister of R?

Ans  1.  $P \times Q + R$   
 2.  $P + Q \times R$   
 3.  $P \times Q \div R$   
 4.  $P \times Q + R$

Question ID : 264330105007

Status : Answered

Chosen Option : 4

Q.14 Which letter cluster will replace the question mark (?) to complete the given series?  
NAME, NEME, ?, NOME, NUME

Ans  1. NMME  
 2. NKME  
 3. NIME  
 4. NJME

Question ID : 26433059856

Status : Answered

Chosen Option : 3

Q.15 Which figure should replace the question mark (?) if the series were to be continued?

P	O	A	Z	C	P	□	⊃	A	O	P	□	
⊃	S	C	O	∩	=	Z	S	P	⊃	∩	C	
Z	=	□	□	⊃	A	O	C	=	=	Z	A	?

Ans

✓ 1.

=	Z	A
O	S	□
⊃	P	C

✗ 2.

=	Z	A
O	∩	□
⊃	P	C

✗ 3.

=	C	O
P	∩	Z
A	⊃	□

✗ 4.

=	C	O
P	S	Z
A	⊃	□

Question ID : 26433076647

Status : Answered

Chosen Option : 4

Q.16 Select the correct combination of mathematical signs to sequentially replace the \* signs and balance the given equation.

$$35 * 5 * 7 * 2 * 19 = 42$$

Ans ✓ 1. ×, ÷, -, +

✗ 2. ÷, ×, +, +

✗ 3. +, -, +, -

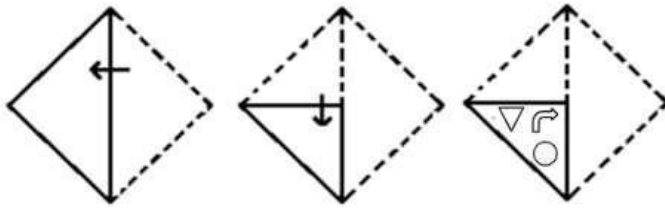
✗ 4. ÷, ×, -, -

Question ID : 26433068598

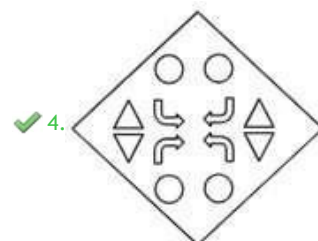
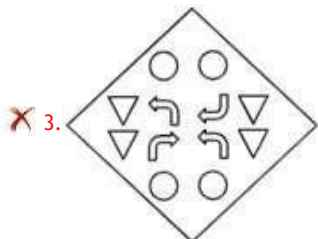
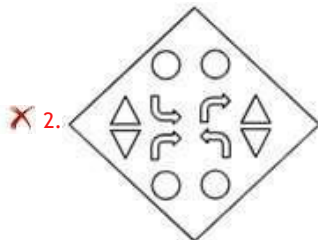
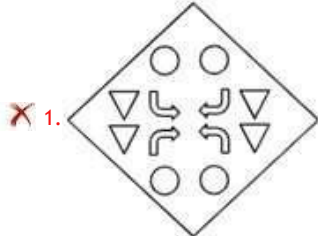
Status : Answered

Chosen Option : 1

Q.17 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Question ID : 26433080560

Status : Answered

Chosen Option : 4

Q.18 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed).

(16, 7, 37)

(28, 9, 55)

Ans ✗ 1. (19, 6, 36)

✓ 2. (13, 4, 25)

✗ 3. (20, 7, 45)

✗ 4. (23, 8, 48)

Question ID : 26433074557

Status : Not Attempted and Marked For Review

Chosen Option : --

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

Statements:

Some stones are cubes.

No cube is a glass.

All bats are cubes.

Conclusions:

I. Some stones being bats is a possibility.

II. No bat is a glass.

III. All cubes are bats.

IV. No stone is a glass.

- Ans
- ☒ 1. Only Conclusions I, II and IV follow
  - ☒ 2. Only Conclusions II and III follow
  - ☒ 3. Only Conclusions I and II follow
  - ☒ 4. Only Conclusion I follows

Question ID : 26433070343

Status : Answered

Chosen Option : 3

Q.20 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

LAMB : DPEQ :: MOTH : JWSR :: NERD : ?

- Ans
- ☒ 1. FVJS
  - ☒ 2. FUJS
  - ☒ 3. FVIS
  - ☒ 4. FUIS

Question ID : 26433056193

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.21 In a certain code language, 'FUEL' is coded as '50' and 'JEER' is coded as '44'. How will 'FARE' be coded in that language?

- Ans
- ☒ 1. 38
  - ☒ 2. 34
  - ☒ 3. 40
  - ☒ 4. 36

Question ID : 26433067343

Status : Answered

Chosen Option : 4

Q.22 Which of the following interchanges of numbers and mathematical signs would make the given equation correct?  
 $729 \times 81 \div 20 + 16 - 6 = 50$

- Ans
- ☒ 1. 6 and 20,  $\times$  and  $\div$
  - ☒ 2. 20 and 50, + and -
  - ☒ 3. 16 and 50,  $\times$  and +
  - ☒ 4. 16 and 20, + and  $\div$

Question ID : 26433087053

Status : Answered

Chosen Option : 1



Q.23 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.  
RTM, VZX, ZFI, DLT, ?

- Ans ☒ 1. HRE  
☐ 2. RST  
☐ 3. TMO  
☐ 4. HRS

Question ID : 264330104800  
Status : Answered  
Chosen Option : 1

Q.24 Select the odd group of numbers. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- Ans ☒ 1. (15 - 220 - 215)  
☐ 2. (10 - 100 - 95)  
☐ 3. (20 - 400 - 395)  
☐ 4. (25 - 625 - 620)

Question ID : 264330105091  
Status : Answered  
Chosen Option : 1

Q.25 By interchanging the given two signs and numbers which of the following equation will be not correct?  
× and −, 8 and 4  
I.  $4 + 3 \times 8 - 2 \div 1 = 3$   
II.  $8 \times 2 - 4 + 6 \div 2 = 11$

- Ans ☐ 1. Both I and II  
☒ 2. Only II  
☐ 3. Neither I nor II  
☐ 4. Only I

Question ID : 264330105142  
Status : Answered  
Chosen Option : 4

Section : General Awareness

Q.1 The Asian Games 2018 were held in which of the following countries?

- Ans ☐ 1. South Korea  
☒ 2. Indonesia  
☐ 3. Japan  
☐ 4. China

Question ID : 26433070835  
Status : Not Answered  
Chosen Option : --

**Q.2 When is Raksha Bandhan celebrated in India as per the Hindu calendar?**

- Ans
- ☐ 1. Amavasya, Shravan month
  - ☐ 2. Poornima, Ashadha month
  - ☐ 3. Amavasya, Ashadha month
  - ☒ 4. Poornima, Shravan month

Question ID : 26433070820

Status : Answered

Chosen Option : 2

**Q.3 Protection of life and liberty is included under which Article of the Constitution of India?**

- Ans
- ☒ 1. Article 21
  - ☐ 2. Article 23
  - ☐ 3. Article 24
  - ☐ 4. Article 20

Question ID : 26433074895

Status : Answered

Chosen Option : 1

**Q.4 Which of the following is NOT the correct match?**

- Ans
- ☒ 1. The acid present in tomato - Formic acid
  - ☐ 2. The acid present in orange - citric acid
  - ☐ 3. The acid present in grapes - Tartaric acid
  - ☐ 4. The acid present in rancid butter - Butyric acid

Question ID : 26433082215

Status : Answered

Chosen Option : 3

**Q.5 The percentage of earth's water found in the oceans is\_\_\_\_\_.**

- Ans
- ☐ 1. 94 percent
  - ☒ 2. 97.2 percent
  - ☐ 3. 90.2 percent
  - ☐ 4. 92.2 percent

Question ID : 264330105624

Status : Answered

Chosen Option : 1

**Q.6 Decadal growth rate of population between 2001-2011 is\_\_\_\_\_.**

- Ans
- ☐ 1. 18.70 percent
  - ☐ 2. 15.70 percent
  - ☒ 3. 17.70 percent
  - ☐ 4. 16.70 percent

Question ID : 264330105536

Status : Not Answered

Chosen Option : --

Q.7 The Paramhans Mandali was founded in 1840 at \_\_\_\_\_ to work for the abolition of caste.

- Ans
- ☒ 1. Delhi
  - ☒ 2. Calcutta
  - ☒ 3. Bombay
  - ☒ 4. Madras

Question ID : 26433085307  
Status : Answered  
Chosen Option : 2

Q.8 Who was the Mughal emperor, when a massive rebellion against british rule broke out in 1857?

- Ans
- ☒ 1. Farrukhsiyar
  - ☒ 2. Bahadur Shah Zafar
  - ☒ 3. Akbar II
  - ☒ 4. Aurangzeb

Question ID : 264330105547  
Status : Answered  
Chosen Option : 2

Q.9 The motion of \_\_\_\_\_ body is an example of uniformly accelerated motion.

- Ans
- ☒ 1. resting
  - ☒ 2. Decelerating
  - ☒ 3. parabolic
  - ☒ 4. freely falling

Question ID : 264330105461  
Status : Answered  
Chosen Option : 4

Q.10 Gross primary deficit is the difference between \_\_\_\_\_.

- Ans
- ☒ 1. revenue deficit and interest receipts
  - ☒ 2. gross fiscal deficit and interest receipts
  - ☒ 3. revenue deficit and interest payments
  - ☒ 4. gross fiscal deficit and net interest liabilities

Question ID : 264330105365  
Status : Not Answered  
Chosen Option : --

Q.11 Which of the following folk dances does NOT belong to the state of Madhya Pradesh?

- Ans
- ☒ 1. Laho
  - ☒ 2. Phulpati
  - ☒ 3. Matki
  - ☒ 4. Jawara

Question ID : 26433064649  
Status : Not Answered  
Chosen Option : --

Q.12 Which of the following venues was decided to host the 2022 Asian Games?

- Ans ☒ 1. Hangzhou, China  
☐ 2. Guangzhou, China  
☐ 3. Incheon, South Korea  
☐ 4. Jakarta, Indonesia

Question ID : 26433059414  
Status : Answered  
Chosen Option : 4

Q.13 The Revolutionary Socialist Party was established in\_\_\_\_\_.

- Ans ☐ 1. 1936  
☐ 2. 1925  
☒ 3. 1940  
☐ 4. 1929

Question ID : 26433085288  
Status : Not Answered  
Chosen Option : --

Q.14 Singers Sujatha and Ananthu have been awarded the Kalaimamani Award for the year \_\_\_\_\_ by the Tamil Nadu Government.

- Ans ☐ 1. 2022  
☐ 2. 2019  
☒ 3. 2021  
☐ 4. 2020

Question ID : 26433054480  
Status : Not Answered  
Chosen Option : --

Q.15 Which of the following element is more reactive than copper?

- Ans ☐ 1. Gold  
☒ 2. Zinc  
☐ 3. Silver  
☐ 4. Platinum

Question ID : 264330105476  
Status : Answered  
Chosen Option : 2

Q.16 The New Delhi International Arbitration Centre (Amendment) Bill, 2022 was introduced in Lok Sabha on\_\_\_\_\_.

- Ans ☐ 1. June 8, 2022  
☐ 2. October 7, 2022  
☐ 3. September 6, 2022  
☒ 4. August 5, 2022

Question ID : 264330105225  
Status : Not Answered  
Chosen Option : --

Q.17 Who has been named as the next chairperson of the Securities and Exchange Board of India in March 2022?

- Ans ☒ 1. Debasish Panda  
☒ 2. Madhabi Puri Buch  
☒ 3. T. Raja Kumar  
☒ 4. Ashwani Bhatia

Question ID : 264330105336

Status : Answered

Chosen Option : 2

Q.18 Mangubhai Chhaganbhai Patel was appointed as the Governor of \_\_\_\_\_ in July 2021.

- Ans ☒ 1. Madhya Pradesh  
☒ 2. Himachal Pradesh  
☒ 3. Uttar Pradesh  
☒ 4. Arunachal Pradesh

Question ID : 26433054554

Status : Answered

Chosen Option : 1

Q.19 How much purse money was given to a Sangeet Natak Akademi fellow in 2019?

- Ans ☒ 1. ₹4 lakh  
☒ 2. ₹3 lakh  
☒ 3. ₹2 lakh  
☒ 4. ₹1 lakh

Question ID : 26433082152

Status : Not Answered

Chosen Option : --

Q.20 Which of the following animals have a single opening in their digestive system that serves both as a mouth and an anus?

- Ans ☒ 1. Arachnids  
☒ 2. Echinoderms  
☒ 3. Platyhelminthes  
☒ 4. Arthropods

Question ID : 26433087855

Status : Not Answered

Chosen Option : --

Q.21 Which of the following city of India was a coastal settlement where ships unloaded goods from distant lands between 2200 and 1900 years ago?

- Ans ☒ 1. Karaikal  
☒ 2. Veerampattinam  
☒ 3. Yanam  
☒ 4. Arikamedu

Question ID : 264330105183

Status : Not Answered

Chosen Option : --

Q.22 Which of the following is soda lime?

- Ans
1.  $\text{Ca(OH)}_2 + \text{CaO}$
  2.  $\text{KOH} + \text{CaO}$
  3.  $\text{CaCl}_2 + \text{CaO}$
  - ✓ 4.  $\text{NaOH} + \text{CaO}$

Question ID : 26433066464

Status : Answered

Chosen Option : 1

Q.23 The Centre introduced a new bill called the Criminal Procedure (Identification) Bill 2022. This Bill will repeal the Identification of Prisoners Act which was established in \_\_\_\_\_.

- Ans
- ✗ 1. 1930
  - ✗ 2. 1950
  - ✗ 3. 1945
  - ✓ 4. 1920

Question ID : 264330105223

Status : Not Answered

Chosen Option : --

Q.24 Where was the first Jute factory in India established?

- Ans
- ✗ 1. Cuttack, Odisha
  - ✗ 2. Ongole, Andhra Pradesh
  - ✓ 3. Rishra, West Bengal
  - ✗ 4. Raigarh, Chhattisgarh

Question ID : 26433089219

Status : Answered

Chosen Option : 3

Q.25 In which of the following states was 'Kudumbashree,' women-oriented, community--based, poverty-reduction programme implemented?

- Ans
- ✗ 1. Maharashtra
  - ✓ 2. Kerala
  - ✗ 3. Bihar
  - ✗ 4. Uttar Pradesh

Question ID : 26433065418

Status : Not Answered

Chosen Option : --

Section : Quantitative Aptitude

Q.1  $16 \cos^3 \frac{\pi}{6} - 12 \cos \frac{\pi}{6} = \underline{\hspace{2cm}}$

- Ans
- ✓ 1. 0
  - ✗ 2. 2
  - ✗ 3. 1
  - ✗ 4. -1

Question ID : 26433056358

Status : Answered

Chosen Option : 1

Q.2 Two equal circles of radius 8 cm intersect each other in such a way that each passes through the centre of the other. The length of the common chord is:

- Ans ☒ 1.  $8\sqrt{3}$  cm  
☐ 2.  $\sqrt{3}$  cm  
☐ 3.  $2\sqrt{3}$  cm  
☐ 4.  $4\sqrt{3}$  cm

Question ID : 26433066259

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.3 The table given below shows the number of bicycle sold by six companies.

Companies	Bicycle
A	60
B	90
C	120
D	165
E	180
F	120

What are the ratio of number of bicycle sold by B to the number of bicycle sold by D?

- Ans ☐ 1. 11 : 5  
☐ 2. 11 : 6  
☐ 3. 5 : 13  
☒ 4. 6 : 11

Question ID : 264330105716

Status : Answered

Chosen Option : 4

Q.4 A chord of length 42 cm is drawn in a circle having diameter 58 cm. What is the minimum distance of other parallel chord of length 40 cm in the same circle from 42 cm long chord?

- Ans ☐ 1. 4 cm  
☒ 2. 1 cm  
☐ 3. 3 cm  
☐ 4. 2 cm

Question ID : 264330105866

Status : Not Answered

Chosen Option : --

Q.5 6 men and 8 women can do a piece of work in 10 days, whereas 26 men and 48 women can do the same work in 2 days. What will be the time taken by 15 men and 20 women to do the same work?

- Ans ☐ 1. 6 days  
☐ 2. 10 days  
☒ 3. 4 days  
☐ 4. 8 days

Question ID : 26433075987

Status : Answered

Chosen Option : 3

**Q.6** The following table gives the subscription of different schemes of a Mutual Fund Company over the months.

(Rupees in crores)

Months	Schemes					Total
	V	W	X	Y	Z	
September	200	70	30	290	10	600
October	120	130	70	150	290	760
November	45	35	25	125	160	390
December	160	110	40	115	130	555
January	80	90	70	100	140	480
February	130	150	30	40	390	740

What is the difference in the subscription of scheme X between December and February?

- Ans** ☒ 1. 10 crores  
☒ 2. 18 crores  
☒ 3. 8 crores  
☒ 4. 25 crores

Question ID : 26433081611  
 Status : Answered  
 Chosen Option : 1

**Q.7** The value of  $\frac{428 \times 428 \times 428 + 348 \times 348 \times 348}{428 \times 428 - 428 \times 348 + 348 \times 348}$  is:

- Ans** ☒ 1. 776  
☒ 2. 62080  
☒ 3. 80  
☒ 4. 40

Question ID : 26433075223  
 Status : Answered  
 Chosen Option : 1

**Q.8** If the 5-digit number 750PQ is divisible by 3, 7 and 11, then what is the value of P + 2Q?

- Ans** ☒ 1. 17  
☒ 2. 15  
☒ 3. 18  
☒ 4. 16

Question ID : 26433063914  
 Status : Answered  
 Chosen Option : 1



Q.9 Raju, Ravi and Ashok contested an election. 5% votes polled were invalid. Raju got 30% of the total votes. Ravi got 32% of the total votes. The winner got 5136 more votes than the person who received the least number of votes. Find the total number of votes polled.

Ans ☒ 1. 171200

☐ 2. 64200

☐ 3. 171220

☐ 4. 172100

Question ID : 26433066239

Status : Answered

Chosen Option : 1

Q.10 A horse was sold for Rs.60,000 at a profit of 20%. For what price should he have sold to gain a 30% profit?

Ans ☐ 1. Rs.64,000

☒ 2. Rs.65,000

☐ 3. Rs.50,000

☐ 4. Rs.55,000

Question ID : 26433063471

Status : Answered

Chosen Option : 2

Q.11 If  $\frac{a^2+b^2+c^2-1024}{ab-bc-ca} = -2$  and  $a + b = 5c$ , where  $c > 0$ , then the value of  $c$  is \_\_\_\_\_.

Ans ☒ 1. 8

☐ 2. 4

☐ 3. 12

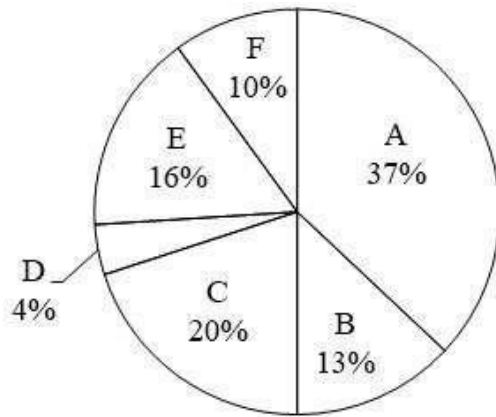
☐ 4. 5

Question ID : 26433083084

Status : Not Answered

Chosen Option : --

Q.12 The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories are 22000. The production of a particular factory is shown as a percent of total production of all these 6 factories.



P1 = The value of average production of A, C, D and F.  
P2 = The difference between the production of B and E.  
What is the value of (P1 + P2)?

- Ans
- ☒ 1. 2525
  - ☒ 2. 6545
  - ☒ 3. 3525
  - ☒ 4. 4565

Question ID : 264330105781

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.13 If  $p + q = 6$  and  $pq = 4$ , then what is the value of  $p^3 + q^3$ ?

- Ans
- ☒ 1. 81
  - ☒ 2. 64
  - ☒ 3. 144
  - ☒ 4. 256

Question ID : 264330105917

Status : Answered

Chosen Option : 3

Q.14 The ratio of two numbers is 5 : 4 and their HCF is 4. What is their LCM?

- Ans
- ☒ 1. 80
  - ☒ 2. 48
  - ☒ 3. 36
  - ☒ 4. 60

Question ID : 26433074255

Status : Answered

Chosen Option : 1

Q.15 If  $\cos A = \frac{9}{41}$ , find  $\cot A$ .

Ans

☒ 1.  $\frac{9}{40}$

☐ 2.  $\frac{41}{40}$

☐ 3.  $\frac{40}{9}$

☐ 4.  $\frac{9}{41}$

Question ID : 26433065320

Status : Answered

Chosen Option : 1

Q.16 A truck runs 492 km on 36 Litter of diesel. How many kilometres can it run on 33 Litter of diesel?

Ans

☐ 1. 454 km

☐ 2. 453 km

☒ 3. 451 km

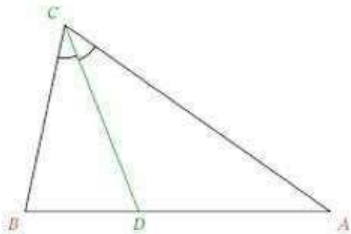
☐ 4. 452 km

Question ID : 26433066363

Status : Answered

Chosen Option : 3

Q.17 In the given triangle, CD is the bisector of  $\angle BCA$ .  $CD = DA$ . If  $\angle BDC = 76^\circ$ , what is the degree measure of  $\angle CBD$ ?



Ans

☐ 1.  $32^\circ$

☐ 2.  $76^\circ$

☐ 3.  $80^\circ$

☒ 4.  $66^\circ$

Question ID : 26433071287

Status : Answered

Chosen Option : 4

Q.18 A dealer buys an old cooler listed at ₹650 and gets successive discounts of 20% and 10%. He spends ₹38 on its repairs and sells it at a profit of 20%. Find the selling price of the cooler.

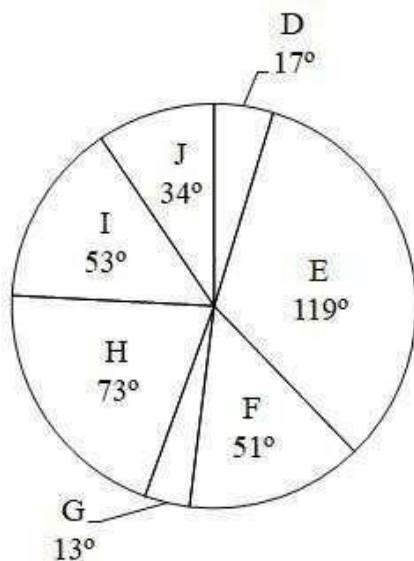
- Ans ☒ 1. ₹7.80
- ☐ 2. ₹700
- ☐ 3. ₹790
- ☒ 4. ₹607.2

Question ID : 26433075791

Status : Answered

Chosen Option : 4

Q.19 The pie chart given below shows the sales of 7 different companies. The total sales of all these 7 companies are 2880. The sale of a particular company is shown in terms of degree with respect to the total sales of all these 7 companies.



The average sales of G and H is how much percent more than the average sales of D and I?

- Ans ☒ 1. 18.86 percent
- ☒ 2. 24.25 percent
- ☒ 3. 56.21 percent
- ☒ 4. 22.86 percent

Question ID : 264330105778

Status : Answered

Chosen Option : 2

Q.20 What is the edge of a cube whose volume is equal to the sum of the volumes of the cubes of edge 6 cm, 8 cm and 10 cm?

- Ans ☒ 1. 5 cm
- ☒ 2. 3 cm
- ☒ 3. 6 cm
- ☒ 4. 12 cm

Question ID : 26433063912

Status : Answered

Chosen Option : 4

Q.21 If Ram covers a certain journey at 60% of his usual speed, he reaches the destination late by 36 min. His usual time (in min) to reach the destination is:

- Ans
- ☐ 1. 60
  - ☐ 2. 72
  - ☐ 3. 50
  - ☒ 4. 54

Question ID : 26433079954

Status : Answered

Chosen Option : 4

Q.22 If  $\tan^2 \theta = 1 - a^2$ , then the value of  $\sec \theta + \tan^3 \theta \operatorname{cosec} \theta$  is:

- Ans
- ☐ 1.  $(2 - a)^{\frac{3}{2}}$
  - ☐ 2.  $(a^2 - 1)^{\frac{3}{2}}$
  - ☒ 3.  $(2 - a^2)^{\frac{3}{2}}$
  - ☐ 4.  $a^{\frac{3}{2}}$

Question ID : 26433075831

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.23 Two-thirds of a certain distance was covered at the speed of 45 km/h, one-fourth at the speed of 60 km/h and the rest at the speed of 75 km/h. Find the average speed per hour for the whole journey. (correct to 2 decimal places)

- Ans
- ☐ 1. 51.25 km/h
  - ☐ 2. 45.75 km/h
  - ☐ 3. 58.25 km/h
  - ☒ 4. 49.77 km/h

Question ID : 26433074916

Status : Not Answered

Chosen Option : --

Q.24 The area of a triangle is  $480 \text{ cm}^2$  and the ratio of its sides is 10 : 24 : 26. What is the perimeter of the triangle?

- Ans
- ☒ 1. 120 cm
  - ☐ 2. 30 cm
  - ☐ 3. 150 cm
  - ☐ 4. 60 cm

Question ID : 264330105832

Status : Answered

Chosen Option : 1

Q.25 Damani purchased an item costing ₹7,500 and paid ₹3,500 as a down payment for the same. If the simple interest charged for the remaining amount is 9% per annum and Damani cleared all dues after 4 months of the purchase, how much did Damani pay after 4 months as interest?

Ans ☒ 1. ₹120

☐ 2. ₹100

☐ 3. ₹132

☐ 4. ₹125

Question ID : 26433075883

Status : Answered

Chosen Option : 1

Section : English Comprehension

Q.1 Rearrange the parts of the sentence in correct order.

We have been

P. able to identify certain patterns in

Q. the microbiome and immune response

R. that are clearly linked to the progression and

S. severity of brain injury

Ans ☐ 1. PQSR

☐ 2. QPSR

☐ 3. RSPQ

☒ 4. PQRS

Question ID : 264330104685

Status : Answered

Chosen Option : 1

Q.2 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.

Has Gita any previous knowledge of work with junior colleagues?

Ans ☐ 1. with

☐ 2. Has

☐ 3. any

☒ 4. work

Question ID : 26433089358

Status : Answered

Chosen Option : 3

Q.3 Select the INCORRECTLY spelt word.

Ans ☐ 1. Cemetery

☐ 2. Accommodate

☐ 3. Intruder

☒ 4. Neccessary

Question ID : 26433061043

Status : Answered

Chosen Option : 4

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

The monster trucks have very \_\_\_\_\_ engines, they can probably pull a train coach without any problem.

- Ans
- ☐ 1. dominant
  - ☐ 2. forceful
  - ☐ 3. impressive
  - ☒ 4. powerful

Question ID : 26433089745

Status : Answered

Chosen Option : 4

Q.5 Select the sentences that contains no spelling errors.

- Ans
- ☐ 1. Our government has launched a relatively extensive set of reforms for aborgines inthe country.
  - ☒ 2. Our government has launched a relatively extensive set of reforms for aborigines inthe country.
  - ☐ 3. Our government has launched a relatively extensive set of reforms for aboregynes inthe country.
  - ☐ 4. Our government has launched a relatively extensive set of reforms for aborigynes inthe country.

Question ID : 26433070696

Status : Answered

Chosen Option : 2

Q.6 Select the most appropriate option to fill in the blank.

The contingent managed to \_\_\_\_\_ successfully.

- Ans
- ☐ 1. park the deal
  - ☒ 2. close the deal
  - ☐ 3. heal the deal
  - ☐ 4. catch the deal

Question ID : 26433088783

Status : Answered

Chosen Option : 4

Q.7 Select the most appropriate synonym of the bracketed word to fill in the blank.

For Rahul, everything was a \_\_\_\_\_ (modern) experience until he stepped onto the field.

- Ans
- ☒ 1. new
  - ☐ 2. flashy
  - ☐ 3. global
  - ☐ 4. Asiatic

Question ID : 26433060683

Status : Answered

Chosen Option : 2

**Q.8** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.  
Rehan and Ronit are / good friends and / it don't matter to them / as to who is wealthier.

- Ans
- ☒ 1. good friends and
  - ☒ 2. it don't matter to them
  - ☒ 3. Rehan and Ronit are
  - ☒ 4. as to who is wealthier.

Question ID : 26433086308

Status : Answered

Chosen Option : 2

**Q.9** Select the most appropriate synonym of the given word.

Moral

- Ans
- ☒ 1. Ethical
  - ☒ 2. Honourable
  - ☒ 3. Godliness
  - ☒ 4. Symphony

Question ID : 26433072194

Status : Answered

Chosen Option : 1

**Q.10** Choose the correct meaning of the given idiom.  
A skeleton in the cupboard

- Ans
- ☒ 1. A popular fact which is not hidden
  - ☒ 2. A popular fact to be kept secret
  - ☒ 3. An embarrassing fact not to be kept secret
  - ☒ 4. An embarrassing fact to be kept secret

Question ID : 26433060923

Status : Answered

Chosen Option : 2

**Q.11** Rearrange the parts of the sentence in correct order.

The rattlesnake

P. it has specialized Jacobson's

Q. organs, which gives it a heightened

R. knows when to lie low because

S. sense of smell to detect prey

- Ans
- ☒ 1. RPQS
  - ☒ 2. SPRQ
  - ☒ 3. QSPR
  - ☒ 4. QPRS

Question ID : 264330104663

Status : Answered

Chosen Option : 1



Q.12 Choose the most appropriate meaning of the underlined word in the given sentence.

Even though Margaret had already eaten a large meal, she could not resist eating two slices of the delectable pie.

- Ans ☒ 1. Stale  
☒ 2. Delicious  
☒ 3. Nutritious  
☒ 4. Rotten

Question ID : 26433060305

Status : Answered

Chosen Option : 2

Q.13 Select the correct indirect form of the given sentence.

She said to me, "The charlatan will be breaking into the safe."

- Ans ☒ 1. She told me that the charlatan would be breaking into the safe.  
☒ 2. She said to me that the charlatan will be breaking in the safe.  
☒ 3. She said to me that the charlatan can be breaking into the safe.  
☒ 4. She said to me that the charlatan is breaking into the safe.

Question ID : 264330104609

Status : Answered

Chosen Option : 1

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

Fly into a passion

- Ans ☒ 1. To be aggressive at times  
☒ 2. To become aggressive often  
☒ 3. To become angry suddenly  
☒ 4. To be always angry

Question ID : 26433072275

Status : Answered

Chosen Option : 2

Q.15 Select the correct passive form of the given sentence.

Shalu has ordered new copies of the album.

- Ans ☒ 1. New copies of the album have being ordered by Shalu.  
☒ 2. New copies of the album has been ordered by Shalu.  
☒ 3. New copies of the album has been order by Shalu.  
☒ 4. New copies of the album have been ordered by Shalu.

Question ID : 264330104565

Status : Answered

Chosen Option : 4

Q.16 Select the most appropriate **ANTONYM** of the underlined word in the given sentence.

God has clearly blessed human beings for his glory.

- Ans
- ☐ 1. Appointed
  - ☐ 2. Produced
  - ☐ 3. Applied
  - ☒ 4. Cursed

Question ID : 26433060369  
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 in love with himself

- Ans
- ☒ 1. Narcissist
  - ☐ 2. Lunatic
  - ☐ 3. Stoic
  - ☐ 4. Polyglot

Question ID : 26433073676  
Status : Answered  
Chosen Option : 1

Q.18 Select the correct passive form of the given sentence.  
He has downloaded the movie on his phone.

- Ans
- ☒ 1. The movie has been downloaded by him on his phone.
  - ☐ 2. The movie was downloaded by him on his phone.
  - ☐ 3. The movie is been downloaded by him on his phone.
  - ☐ 4. The movie are being downloaded by him on his phone.

Question ID : 264330104567  
Status : Answered  
Chosen Option : 1

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

Giving the worrying impression that something bad is going to happen

- Ans
- ☐ 1. Desolate
  - ☐ 2. Suspicious
  - ☒ 3. Ominous
  - ☐ 4. Bleak

Question ID : 26433070670  
Status : Answered  
Chosen Option : 3

**Q.20** Select the most appropriate option that can substitute the underlined segment in the given sentence.

The new shop that opened last week are hardly sufficient stock of the products that it advertised about.

- Ans ☒ 1. hardly hadn't  
☒ 2. hardly had  
☒ 3. hardly is having  
☒ 4. is had

Question ID : 26433081312

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.

The Romans had developed a (1)\_\_\_\_\_ for chariot racing. The (2)\_\_\_\_\_ of the game are so excited that sometimes it may (3)\_\_\_\_\_ into chaos, confusion and riots. The (4)\_\_\_\_\_ in which racing took place was called a circus. The (5)\_\_\_\_\_ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

**SubQuestion No : 21**

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

- Ans ☒ 1. taste  
☒ 2. spoonful  
☒ 3. drop  
☒ 4. mouthful

Question ID : 26433087426

Status : Answered

Chosen Option : 1

**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.

The Romans had developed a (1)\_\_\_\_\_ for chariot racing. The (2)\_\_\_\_\_ of the game are so excited that sometimes it may (3)\_\_\_\_\_ into chaos, confusion and riots. The (4)\_\_\_\_\_ in which racing took place was called a circus. The (5)\_\_\_\_\_ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

**SubQuestion No : 22**

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

- Ans ☒ 1. campaigners  
☒ 2. reformers  
☒ 3. champions  
☒ 4. supporters

Question ID : 26433087427

Status : Answered

Chosen Option : 4

**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.

The Romans had developed a (1) \_\_\_\_\_ for chariot racing. The (2) \_\_\_\_\_ of the game are so excited that sometimes it may (3) \_\_\_\_\_ into chaos, confusion and riots. The (4) \_\_\_\_\_ in which racing took place was called a circus. The (5) \_\_\_\_\_ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

**SubQuestion No : 23**

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

- Ans
- ☒ 1. adapt
  - ☒ 2. reshape
  - ☒ 3. transfigure
  - ☒ 4. convert

Question ID : 26433087428

Status : Answered

Chosen Option : 4

**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.

The Romans had developed a (1) \_\_\_\_\_ for chariot racing. The (2) \_\_\_\_\_ of the game are so excited that sometimes it may (3) \_\_\_\_\_ into chaos, confusion and riots. The (4) \_\_\_\_\_ in which racing took place was called a circus. The (5) \_\_\_\_\_ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

**SubQuestion No : 24**

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

- Ans
- ☒ 1. stadium
  - ☒ 2. circuit
  - ☒ 3. route
  - ☒ 4. track

Question ID : 26433087429

Status : Answered

Chosen Option : 4

**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.

The Romans had developed a (1) \_\_\_\_\_ for chariot racing. The (2) \_\_\_\_\_ of the game are so excited that sometimes it may (3) \_\_\_\_\_ into chaos, confusion and riots. The (4) \_\_\_\_\_ in which racing took place was called a circus. The (5) \_\_\_\_\_ one was the Circus Maximus in Rome, that could hold up to 3,85,000 spectators, which shows the popularity of the sport

**SubQuestion No : 25**

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

- Ans
- ☒ 1. larger
  - ☒ 2. highest
  - ☒ 3. largest
  - ☒ 4. higher

Question ID : 26433087430

Status : Answered

Chosen Option : 3