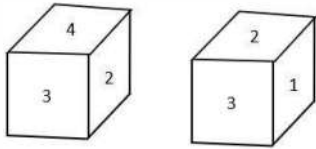


Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	17/07/2023
Exam Time	5:15 PM - 6:15 PM
Subject	Combined Graduate Level Examination Tier I 2023

Section : General Intelligence and Reasoning

Q.1 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 one showing 1.



- Ans
- ✓ 1. 4
 - ✗ 2. 5
 - ✗ 3. 3
 - ✗ 4. 2

Question ID : 26433068024
Status : Answered
Chosen Option : 1

Q.2 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
(2, 1, 5)
(5, 12, 22)
(6, 2, ?)
(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. 6
 - ✓ 2. 14
 - ✗ 3. 8
 - ✗ 4. 12

Question ID : 26433082458
Status : Answered
Chosen Option : 2

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Q.3 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

- Ans ☒ 1. 4 : 70
☒ 2. 3 : 30
☒ 3. 6 : 222
☒ 4. 7 : 350

Question ID : 26433066050
 Status : Answered
 Chosen Option : 1

Q.4 Which of the following interchanges of signs would make the given equation correct?

$$100 + 100 \times 50 - 2 \div 3 = 51$$

- Ans ☒ 1. + and +
☒ 2. + and -
☒ 3. - and ×
☒ 4. ÷ and ×

Question ID : 264330117863
 Status : Answered
 Chosen Option : 1

Q.5 In a certain code language, 'CROW' is coded as '6970' and 'ORCA' is coded as '7569'. What is the code for 'W' in the given code language?

- Ans ☒ 1. 7
☒ 2. 9
☒ 3. 6
☒ 4. 0

Question ID : 264330126010
 Status : Answered
 Chosen Option : 4

Q.6 Select the figure that will come in place of the question mark (?) in the following figure series.



Ans

- ✖ 1.
- ✔ 2.
- ✖ 3.
- ✖ 4.

Question ID : 26433076565
Status : Answered
Chosen Option : 2

Q.7 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:
Some pens are boxes.
No box is a fan.
Some pens are fans.

Conclusions:
I. No pen is a fan.
II. No box is a pen.
III. Some fans are pens.
IV. Some boxes are pens.

- Ans**
- ☒ 1. Only conclusions I and III follow
 - ☒ 2. Only conclusions II and IV follow
 - ☒ 3. Only conclusions I and II follow
 - ☒ 4. Only conclusions III and IV follow

Question ID : 26433068560
Status : Answered
Chosen Option : 4

Q.8 In a certain code language, 'STAR' is written as '8110291', 'GIFT' is written as '02697'. How will 'DOLL' be written in that language?

- Ans**
- ☒ 1. 2112514
 - ☒ 2. 2121514
 - ☒ 3. 2121154
 - ☒ 4. 2121524

Question ID : 26433091587
Status : Answered
Chosen Option : 2

Q.9 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.)
(12, 15, 18)
(10, 8, 6)

- Ans**
- ☒ 1. (15, 20, 25)
 - ☒ 2. (14, 28, 14)
 - ☒ 3. (13, 10, 17)
 - ☒ 4. (19, 18, 1)

Question ID : 26433069238
Status : Answered
Chosen Option : 1

Q.10 'A + B' means 'A is the father of B'.
'A - B' means 'A is the son of B'.
'A × B' means 'A is the sister of B'.
'A ÷ B' means 'A is the wife of B'.
If $H + I - J \times K \times L - M \div N$, then which of the following statements is NOT correct?

- Ans ☒ 1. H is the husband of the sister of K.
☒ 2. J is the wife of the son of M.
☒ 3. H is the husband of the sister of L.
☒ 4. H is the husband of the daughter of M.

Question ID : 264330122043
Status : Answered
Chosen Option : 1

Q.11 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)
(44, 63, 98)
(59, 99, 149)

- Ans ☒ 1. (81, 15, 87)
☒ 2. (54, 73, 121)
☒ 3. (19, 32, 44)
☒ 4. (82, 13, 96)

Question ID : 264330130347
Status : Not Answered
Chosen Option : --

Q.12 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:
Some spoons are black.
All black are crows.
No crow is a plate.

Conclusions:
I. Some black are spoons.
II. All crows are black.
III. No plate is a crow.

- Ans ☒ 1. Only conclusion I follows.
☒ 2. Only conclusions I and III follow.
☒ 3. None of the conclusions follows.
☒ 4. Only conclusion II follows.

Question ID : 264330114235
Status : Answered
Chosen Option : 2

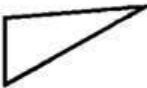
Q.13 Select the correct combination of mathematical signs to sequentially fill in the diamond-shapes and to balance the given equation.

$56 \diamond 8 \diamond 4 \diamond 7 \diamond 50 \diamond 15$

- Ans
- ☒ 1. +, =, +, x, +
 - ☒ 2. +, x, =, +, +
 - ☒ 3. +, x, -, =, x
 - ☒ 4. +, x, +, =, -

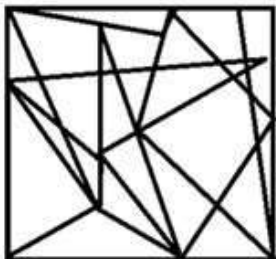
Question ID : 264330104008
Status : Answered
Chosen Option : 4

Q.14 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

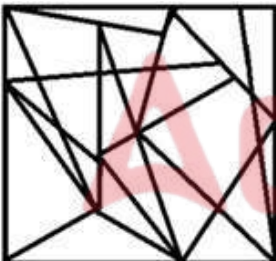


Ans

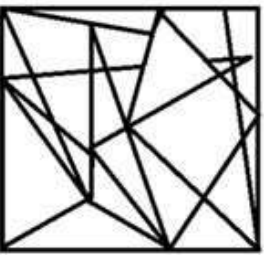
☒ 1.



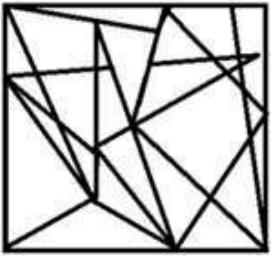
☒ 2.



☒ 3.



☒ 4.



Question ID : 26433067433
Status : Answered
Chosen Option : 1

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

(14, 10, 9)

(6, 8, 2)

(8, 4, ?)

(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. 4

☒ 2. 6

☒ 3. 3

☒ 4. 5

Question ID : 26433082456

Status : Answered

Chosen Option : 2

Q.16 'स्पष्ट' का 'खुला' से वही संबंध है, जो 'गोपनीय' का '_____' से है।

Ans ☒ 1. साफ

☒ 2. मुक्त

☒ 3. अपरोक्ष

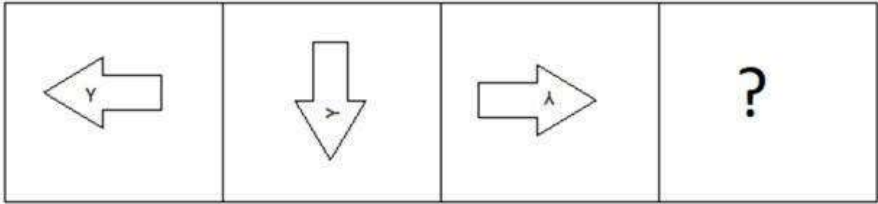
☒ 4. गुप्त

Question ID : 264330101123

Status : Answered

Chosen Option : 4

Q.17 Select the figure that will come next in the following figure series.



Ans

- ✗ 1.
- ✓ 2.
- ✗ 3.
- ✗ 4.

Question ID : 26433087067
Status : Answered
Chosen Option : 2

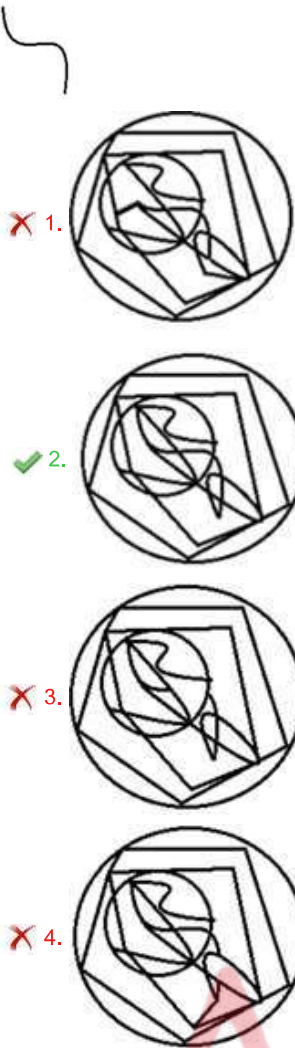
Q.18 Which of the following numbers will replace the question mark (?) in the given series?
325, 271, 226, ? , 163, 145, 136

- ✓ 1. 190
- ✗ 2. 180
- ✗ 3. 186
- ✗ 4. 196

Question ID : 26433090937
Status : Answered
Chosen Option : 1

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

Ans



Question ID : 26433091607
Status : Answered
Chosen Option : 2

Q.20 Select the option that represents the letters that, when placed from left to right in the blanks, will complete the letter series.
_ B _ T F H B N _ F I _ N T F _ B N T F

- Ans
- ✓ 1. G N T B J
 - ✗ 2. G T N J B
 - ✗ 3. G J N T B
 - ✗ 4. G B J N T

Question ID : 264330143771
Status : Answered
Chosen Option : 1

Q.21 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

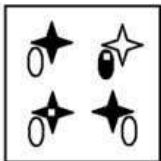
- 1. Lambast
- 2. Lighten
- 3. Legacy
- 4. Languish
- 5. Laughter
- 6. Lightly

- Ans ☒ 1. 1, 4, 5, 3, 2, 6
- ☐ 2. 1, 4, 5, 2, 3, 6
- ☐ 3. 1, 5, 4, 2, 3, 6
- ☐ 4. 1, 5, 4, 3, 6, 2

Question ID : 264330129465
Status : Answered
Chosen Option : 1

Q.22 Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure:



Ans

- ☐ 1.
- ☐ 2.
- ☒ 3.
- ☐ 4.

Question ID : 26433067400
Status : Answered
Chosen Option : 3

Q.23 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.
PLANT : VPCNR :: STOMP : ROQVU :: BOARD : ?

- Ans ☒ 1. DPCTF
☒ 2. DQCTF
☒ 3. FTDQC
☒ 4. FTCQD

Question ID : 26433090886
Status : Answered
Chosen Option : 4

Q.24 Three of the following four letter-clusters are alike in a certain way and one is different.
Pick the odd one out.

- Ans ☒ 1. CAX
☒ 2. AYZ
☒ 3. FDU
☒ 4. HDS

Question ID : 26433092560
Status : Answered
Chosen Option : 4

Q.25 Which of the following terms will replace the question mark (?) in the given series?
SHP, RIO, PKN, MNM, ?

- Ans ☒ 1. ISL
☒ 2. JRL
☒ 3. IRL
☒ 4. IQL

Question ID : 26433086945
Status : Answered
Chosen Option : 3

Section : General Awareness

Q.1 Intensive agriculture implies_____.

- Ans ☒ 1. bringing more land under cultivation
☒ 2. cultivating large farms with moderately low inputs of labour and capital
☒ 3. use of more labour and capital inputs on the given land under cultivation
☒ 4. spreading farming across more states of India

Question ID : 264330112483
Status : Not Answered
Chosen Option : --

Q.2 Nana Sahib, a rebel at Kanpur was the son of which of the following Peshwas?

- Ans ☒ 1. Baji Rao I
☒ 2. Balaji Baji Rao
☒ 3. Baji Rao II
☒ 4. Balaji Vishwanath

Question ID : 264330132668
 Status : Not Answered
 Chosen Option : --

Q.3 Which of the following hill stations do NOT experience snowfall in winters?

- Ans ☒ 1. Ooty
☒ 2. Nainital
☒ 3. Shimla
☒ 4. Srinagar

Question ID : 26433054936
 Status : Answered
 Chosen Option : 1

Q.4 Schools and hostels under the Ministry of Education's Samagra Shiksha scheme will be renamed after:

- Ans ☒ 1. Shyama Prasad Mukharjee
☒ 2. Netaji Subhas Chandra Bose
☒ 3. Deen Dayal Upadhyaya
☒ 4. Sardar Vallabhbhai Patel

Question ID : 26433072898
 Status : Not Answered
 Chosen Option : --

Q.5 On 7 November 2022, Prime Minister Narendra Modi attended and offered prayers at celebrations of the _____ Prakash Parv of Shri Guru Nanak Dev Ji at New Delhi.

- Ans ☒ 1. 550th
☒ 2. 551st
☒ 3. 552nd
☒ 4. 553rd

Question ID : 264330137255
 Status : Answered
 Chosen Option : 1

Q.6

Match column A with column B.

Column A (Type of algae)

- a. Blue-green algae
- b. Red algae
- c. Green algae
- d. Brown algae

Column B (Proper Name)

- i. Sargassum
- ii. Chlamydomonas
- iii. Rhodophyta
- iv. Cyanobacteria

- Ans
- ☒ 1. a-i, b-ii, c-iii, d-iv
 - ☒ 2. a-i, b-iii, c-ii, d-iv
 - ☒ 3. a-iv, b-iii, c-ii, d-i
 - ☒ 4. a-iii, b-iv, c-ii, d-i

Question ID : 264330132853

Status : Not Answered

Chosen Option : --

Q.7 What helps making the acidic food alkaline that is coming from the stomach?

- Ans
- ☒ 1. Pepsin
 - ☒ 2. Gastric juice
 - ☒ 3. Hydrochloric acid
 - ☒ 4. Bile juice

Question ID : 26433087860

Status : Answered

Chosen Option : 4

Q.8 For which discovery did William Bradford Shockley, John Bardeen and Walter Houser Brattain jointly receive the Nobel Prize in Physics in 1956?

- Ans
- ☒ 1. Discovery of transistor effect
 - ☒ 2. Discovery of thermionic emission
 - ☒ 3. Discovery of electromagnetic induction
 - ☒ 4. Discovery of receptors for temperature and touch

Question ID : 264330110039

Status : Not Answered

Chosen Option : --

Q.9 Which group of rivers is a part of the peninsular drainage system?

- Ans
- ☒ 1. Gandak and Ghaghra
 - ☒ 2. Mahanadi and Godavari
 - ☒ 3. Ganga and Yamuna
 - ☒ 4. Damodar and Sarda

Question ID : 264330116471

Status : Answered

Chosen Option : 2

Q.10 Ashoka sent a mission to spread the principle of Dhamma led by his son, Mahendra and daughter, Sanghamitra to _____.

- Ans ☒ 1. Kalinga
☒ 2. Ceylon
☒ 3. Cambodia
☒ 4. Thailand

Question ID : 264330114809
 Status : Not Answered
 Chosen Option : --

Q.11 If the government revenue expenditure exceeds revenue receipt, it is called:

- Ans ☒ 1. revenue deficit
☒ 2. primary deficit
☒ 3. capital deficit
☒ 4. fiscal deficit

Question ID : 26433066614
 Status : Answered
 Chosen Option : 1

Q.12 Paramvir Chakra, Ashok Chakra and Vir Chakra are presented during the celebration of which day?

- Ans ☒ 1. Republic Day
☒ 2. Independence Day
☒ 3. Gandhi Jayanti
☒ 4. Indian Air Force Day

Question ID : 264330111145
 Status : Answered
 Chosen Option : 1

Q.13 The musician Sivamani is associated with which musical instrument?

- Ans ☒ 1. Drums
☒ 2. Violin
☒ 3. Shehnai
☒ 4. Sarod

Question ID : 26433066692
 Status : Not Answered
 Chosen Option : --

Q.14 Who among the following was the slave-general of Alauddin Khilji, who led his army in the battle against Ramachandra of Devagiri?

- Ans
- ☒ 1. Nusrat Khan
 - ☒ 2. Malik Kafur
 - ☒ 3. Ulugh Khan
 - ☒ 4. Zafar Khan

Question ID : 264330113565
Status : Answered
Chosen Option : 2

Q.15 Padma Shri awardee in 2022, Arjun Singh Dhurve, is a tribal dancer of which of the following dance forms?

- Ans
- ☒ 1. Baiga
 - ☒ 2. Chhau
 - ☒ 3. Santhal
 - ☒ 4. Tertali

Question ID : 26433055411
Status : Not Answered
Chosen Option : --

Q.16 क्रिकेट मैचों में मैदान में रहने वाले अंपायरों की संख्या _____ होती है।

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

Question ID : 264330109723
Status : Answered
Chosen Option : 4

Q.17 Borgeet is associated with which Indian classical dance form?

- Ans
- ☒ 1. Odissi
 - ☒ 2. Manipuri
 - ☒ 3. Sattriya
 - ☒ 4. Kuchipudi

Question ID : 264330109584
Status : Not Answered
Chosen Option : --

Q.18 'BFSI' stands for Banking, Financial Services and _____ in India. It is a broad term for industries that offer financial products and services.

- Ans ☒ 1. Inflation
☒ 2. Investment
☒ 3. Insurance
☒ 4. Index Fund

Question ID : 264330111314
 Status : Answered
 Chosen Option : 2

Q.19 What happens to the atomic size as you go down the group?

- Ans ☒ 1. Triples
☒ 2. Decreases
☒ 3. Increases
☒ 4. No change

Question ID : 264330134869
 Status : Answered
 Chosen Option : 3

Q.20 The Fundamental Duties of citizens were added to the Constitution of India, upon the recommendations of which of the following committees?

- Ans ☒ 1. Raja Chelliah Committee
☒ 2. Santhanam Committee
☒ 3. Kelkar Committee
☒ 4. Swaran Singh Committee

Question ID : 264330110778
 Status : Answered
 Chosen Option : 4

Q.21 Who was behind publishing the first News Paper in India?

- Ans ☒ 1. Deen Bandhu Mitra
☒ 2. James Augustus Hickey
☒ 3. Hem Chandrakar
☒ 4. Harishchandra Mukherjee

Question ID : 264330109051
 Status : Not Answered
 Chosen Option : --

Q.22 Which country will host the 2031 Cricket World Cup ?

- Ans ☒ 1. England
- ☒ 2. India and Bangladesh
- ☒ 3. Australia
- ☒ 4. West Indies

Question ID : 264330110324
Status : Not Answered
Chosen Option : --

Q.23 Haryana government announced _____ to provide support to women entrepreneurs, on International Women's Day 2022.

- Ans ☒ 1. UJJWALA Scheme
- ☒ 2. Mahila E-Haat Scheme
- ☒ 3. Matrushakti Udaymita Scheme
- ☒ 4. SWADHAR Scheme

Question ID : 264330122344
Status : Answered
Chosen Option : 3

Q.24 Which of the following statements are correct regarding the Centre-State Relations pertaining to the three lists of the Indian Constitution?

- A.The subjects which are not included in any of the three lists are called Residuary subjects.
- B.If there is any conflict between the Union List and the State List, then the former prevails.
- C.When the Parliament enacts a law on the request of two or more states, then that law made by the Parliament on the State List is applicable to all the states.

- Ans ☒ 1. A and C only
- ☒ 2. B and C only
- ☒ 3. A, B and C
- ☒ 4. A and B only

Question ID : 264330119700
Status : Not Answered
Chosen Option : --

Q.25 What is the child sex ratio in India in the 2011 Census?

- Ans ☒ 1. 914 females per 1000 males
- ☒ 2. 911 females per 1000 males
- ☒ 3. 941 females per 1000 males
- ☒ 4. 814 females per 1000 males

Question ID : 264330144085
Status : Answered
Chosen Option : 3

Q.1 $18 \div \{(6 \text{ of } 2 - 4)\} \times 5(6 - 3) = \underline{\hspace{2cm}}$.

Ans

- ✗ 1. $\frac{154}{4}$
- ✗ 2. $\frac{145}{4}$
- ✗ 3. $\frac{153}{4}$
- ✓ 4. $\frac{135}{4}$

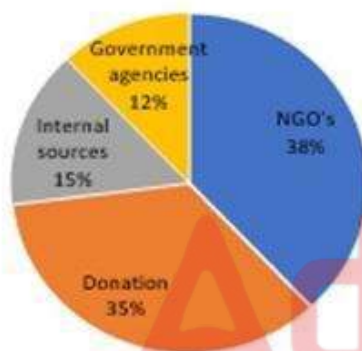
Question ID : 264330143489

Status : Answered

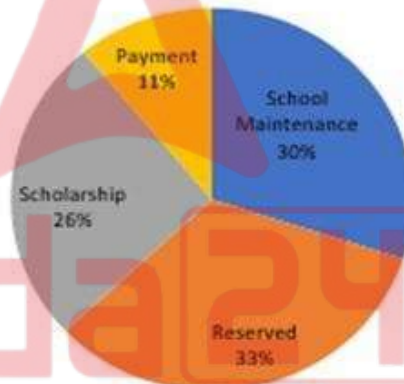
Chosen Option : 4

Q.2 Study the given pie-chart carefully and answer the following question.
If scholarship has to be paid out of the donation fund, then what is the percentage of donation fund used for this purpose (rounded off to two decimal places)?

The entire fund that school gets from different sources is equal to Rs.10 lakh



Source of funds in school



Uses of Funds by school

Ans ✓ 1. 74.29%

- ✗ 2. 72.15%
- ✗ 3. 80.25%
- ✗ 4. 75.25%

Question ID : 264330131540

Status : Not Answered

Chosen Option : --

Q.3 15 men and 21 women, working together, can do a job in 56 days, while 12 men and 24 women, working together, can do the same job in 64 days. In how many days can the same job be done by 18 men and 24 women, working together?

Ans

☐ 1. $47\frac{6}{19}$

☐ 2. $47\frac{5}{19}$

☐ 3. $47\frac{9}{19}$

☒ 4. $47\frac{3}{19}$

Question ID : 264330114514

Status : Answered

Chosen Option : 4

Q.4 During a division, Pranjal mistakenly took as the dividend a number that was 10% more than the original dividend. He also mistakenly took as the divisor a number that was 25% more than the original divisor. If the correct quotient of the original division problem was 25 and the remainder was 0, what was the quotient that Pranjal obtained, assuming his calculations had no error?

Ans

☐ 1. 21.75

☐ 2. 21.25

☐ 3. 28.75

☒ 4. 22

Question ID : 264330103245

Status : Not Answered

Chosen Option : --

Q.5 If the selling price of an article is doubled, then the profit becomes four times. What was the original profit percentage?

Ans

☐ 1. 75%

☐ 2. 100%

☒ 3. 50%

☐ 4. 25%

Question ID : 26433091537

Status : Answered

Chosen Option : 3

Q.6 A person standing at a distance looks at a building having a height of 1000 metres. The angle between the top of the building and the ground is 30° . At what approximate distance (in metres) is the person standing away from the building.

- Ans
- ☒ 1. 1000
 - ☒ 2. 936
 - ☒ 3. 1732
 - ☒ 4. 1542

Question ID : 264330126617

Status : Answered

Chosen Option : 3

Q.7 A can do 20% of a job in 7 days and B can do 25% of the job in 7 days if they worked alone. How much of the job (in percentage) can they complete in 7 days if they worked together?

- Ans
- ☒ 1. 38%
 - ☒ 2. 52%
 - ☒ 3. 56%
 - ☒ 4. 45%

Question ID : 264330111485

Status : Answered

Chosen Option : 4

Q.8 $\frac{\sin^4 \theta + \cos^4 \theta}{1 - 2\sin^2 \theta \cdot \cos^2 \theta} = \underline{\hspace{2cm}}.$

- Ans
- ☒ 1. 1
 - ☒ 2. 2
 - ☒ 3. -1
 - ☒ 4. 0

Question ID : 264330143526

Status : Answered

Chosen Option : 1

Q.9 What is the value of $\frac{X}{Y}$ if $\frac{X-5Y}{X+5Y} = \frac{7}{13}$.

- Ans
- ☒ 1. $\frac{23}{7}$
 - ☒ 2. $\frac{24}{9}$
 - ☒ 3. $\frac{50}{3}$
 - ☒ 4. $\frac{100}{7}$

Question ID : 264330103331

Status : Answered

Chosen Option : 3

Q.10 The following table shows the scores of three attempts of Archery players in a tournament. The player scoring the highest average score was declared the best player. Who was the best player?

Player	Score 1	Score 2	Score 3
Angela	62.50	65.00	64.50
Maria	69.05	70.00	67.52
Sareena	73.81	72.50	74.20
Preeti	74.30	75.00	77.50
Deepika	64.29	67.50	63.28

- Ans
- ☒ 1. Angela
 - ☒ 2. Maria
 - ☒ 3. Deepika
 - ☒ 4. Preeti

Question ID : 264330143452

Status : Answered

Chosen Option : 4

Q.11 If $(x + \frac{1}{x}) = 10$, what is the value of $(x^4 + \frac{1}{x^4})$?

- Ans
- ☒ 1. 9604
 - ☒ 2. 9602
 - ☒ 3. 9600
 - ☒ 4. 9606

Question ID : 264330114540

Status : Answered

Chosen Option : 2

Q.12 A dealer marks his goods at 20% above the cost price and allows a discount of 15% on the marked price. What is his gain or loss percentage?

- Ans
- ☐ 1. 4% gain
 - ☐ 2. 2% loss
 - ☒ 3. 2% gain
 - ☐ 4. 4% loss

Question ID : 264330103721

Status : Answered

Chosen Option : 3

Q.13 A six-digit number is divisible by 33. If 54 is added to the number, then the new number formed will also be divisible by:

- Ans
- ☒ 1. 3
 - ☐ 2. 2
 - ☐ 3. 5
 - ☐ 4. 7

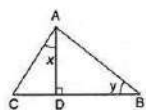
Question ID : 264330130061

Status : Answered

Chosen Option : 1

Q.14 In the given figure, if $AD \perp BC$, $AC = 26$ units, $CD = 10$ units, $BC = 42$ units, $\angle DAC = x$ and $\angle B = y$, then the value

of $\frac{6}{\cos x} - \frac{5}{\cos y} + 8 \tan y$ is:



- Ans
- ☐ 1. $\frac{16}{9}$ units
 - ☐ 2. $\frac{13}{6}$ units
 - ☒ 3. $\frac{25}{4}$ units
 - ☐ 4. $\frac{15}{7}$ units

Question ID : 26433075339

Status : Answered

Chosen Option : 3

Q.15 A sector of a circle of radius 10 cm is formed at 60° angle at the centre. What will be its area (take $\pi = 3.14$)?

- Ans
- ☒ 1. 52.33 cm^2
 - ☐ 2. 75.28 cm^2
 - ☐ 3. 60.67 cm^2
 - ☐ 4. 55.00 cm^2

Question ID : 26433085776

Status : Answered

Chosen Option : 1

Q.16 A spherical ball of lead, 3 cm in diameter, is melted and recast into three spherical balls. The diameters of two of these balls are $\frac{3}{2}$ cm and 2 cm, respectively. Find the diameter of the third ball.

- Ans
- ☐ 1. 2.1 cm
 - ☐ 2. 3.3 cm
 - ☐ 3. 3 cm
 - ☒ 4. 2.5 cm

Question ID : 26433082785
Status : Answered
Chosen Option : 4

Q.17 A part of a journey is covered in 37.5 minutes at 90 km/h and the remaining part in 14 minutes at 80 km/h. The total distance (in km) of the journey is:

- Ans
- ☐ 1. $76\frac{5}{12}$
 - ☐ 2. $62\frac{11}{12}$
 - ☐ 3. $78\frac{5}{12}$
 - ☒ 4. $74\frac{11}{12}$

Question ID : 264330129443
Status : Answered
Chosen Option : 4

Q.18 20 students of a college went to a hotel. 19 of them spent ₹175 each on their meal and the 20th student spent ₹19 more than the average of all the 20. Find the total money spent by them.

- Ans
- ☐ 1. ₹3,490
 - ☐ 2. ₹3,540
 - ☒ 3. ₹3,520
 - ☐ 4. ₹3,500

Question ID : 264330103384
Status : Answered
Chosen Option : 3

Q.19 Money was lent on simple interest. After 12 years, its simple interest becomes $\frac{3}{5}$ of the money. Find the rate of interest.

- Ans
- ☐ 1. 4% p.a.
 - ☐ 2. 2% p.a.
 - ☒ 3. 5% p.a.
 - ☐ 4. 3% p.a.

Question ID : 264330106005
Status : Answered
Chosen Option : 3

Q.20 Simplify the expression.

$$\frac{3.35^2 - 1.25^2}{3.35 + 1.25} = ?$$

- Ans
- ☐ 1. 3.10
 - ☐ 2. 4.60
 - ☐ 3. 4.10
 - ☒ 4. 2.1

Question ID : 264330145538
Status : Answered
Chosen Option : 4

Q.21 The area of the sector of a circle of radius 12 cm is $32\pi \text{ cm}^2$. Find the length of the corresponding arc of the sector.

- Ans
- ☒ 1. $\frac{16}{3}\pi \text{ cm}$
 - ☐ 2. $\frac{13}{3}\pi \text{ cm}$
 - ☐ 3. $\frac{10}{3}\pi \text{ cm}$
 - ☐ 4. $\frac{8}{3}\pi \text{ cm}$

Question ID : 264330143606
Status : Answered
Chosen Option : 1

Q.22 Which of the following statements is INCORRECT?

- Ans ☒ 1. Radius is the longest chord of a circle.
- ☒ 2. The ratio of circumference of two circles is equal to the ratio of their radii.
- ☒ 3.
The perpendicular drawn from the center of the circle on the chord of the circle bisects the chord.
- ☒ 4. Circles are congruent to each other if they have equal radii.

Question ID : 26433082523
Status : Answered
Chosen Option : 4

Q.23 A can complete a work in 18 days, while B can complete it in 12 days. B worked on it for 4 days. How long will A take to finish the remaining work?

- Ans ☒ 1. 16 days
- ☒ 2. 12 days
- ☒ 3. 14 days
- ☒ 4. 10 days

Question ID : 264330104538
Status : Answered
Chosen Option : 2

Q.24 Racer A and racer B run a race of 18 km on a circular track of length 800 m. Both complete one round in 200 sec and 250 sec, respectively. After how much time from the start will the faster person meet the slower person for the last time?

- Ans ☒ 1. 2700 sec
- ☒ 2. 4000 sec
- ☒ 3. 2250 sec
- ☒ 4. 1800 sec

Question ID : 26433072976
Status : Not Answered
Chosen Option : --

Q.25 What is the value of $(27x^3 - 58x^2y + 31xy^2 - 8y^3)$, when $x = -5$ and $y = -7$?

- Ans ☒ 1. 1924
- ☒ 2. - 1924
- ☒ 3. - 1926
- ☒ 4. 1926

Question ID : 264330114551
Status : Answered
Chosen Option : 1

Q.1 Select the most appropriate meaning of the given idiom.

Back against the wall

- Ans ☒ 1. Be in an easy situation from where escape is difficult
- ☒ 2. Be in a difficult situation from where escape is difficult
- ☒ 3. Be in a relationship which one wants to escape
- ☒ 4. Be in a difficult situation from where escape is easy

Question ID : 26433090377
Status : Answered
Chosen Option : 4

Q.2 Select the most appropriate ANTONYM of the underlined word.

His house was filthy with papers and eatables strewn everywhere.

- Ans ☒ 1. Dignified
- ☒ 2. Integral
- ☒ 3. Barren
- ☒ 4. Clean

Question ID : 26433073442
Status : Answered
Chosen Option : 4

Q.3 Select the option that expresses the given sentence in passive voice.
She is laughing at me.

- Ans ☒ 1. I am being laughed at by her.
- ☒ 2. I have been laughed by her.
- ☒ 3. I was being laughed at by her.
- ☒ 4. I had been laughed by her.

Question ID : 264330135873
Status : Answered
Chosen Option : 1

Q.4 Select the most appropriate ANTONYM of the underlined word.
He was uncomfortable at the sport event.

- Ans ☒ 1. Easeful
- ☒ 2. Difficult
- ☒ 3. Awkward
- ☒ 4. Troublesome

Question ID : 264330121048
Status : Answered
Chosen Option : 1

Q.5 Select the option that expresses the given sentence in past tense form.

The declarations which come out from that office are not dependable.

- Ans ☒ 1. The declarations which will come out from that office may not be dependable.
☒ 2. The declarations which come out from that office were not dependable.
☒ 3. The declarations which came out from that office are not dependable.
☒ 4. The declarations which came out from that office were not dependable.

Question ID : 26433089298

Status : Answered

Chosen Option : 2

Q.6 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The management is not beware of this fact.

- Ans ☒ 1. aware of
☒ 2. awaking to
☒ 3. beware to
☒ 4. watchful with

Question ID : 26433098971

Status : Answered

Chosen Option : 1

Q.7 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Reasonable
☒ 2. Laughable
☒ 3. Blessed
☒ 4. Prophane

Question ID : 26433089848

Status : Answered

Chosen Option : 3

Q.8 Select the option that can be used as a one-word substitute for the given group of words.

A detailed description of a series of real or fictional events taking place over a long period of time

- Ans ☒ 1. Witness
☒ 2. Journal
☒ 3. Saga
☒ 4. Case study

Question ID : 26433084595

Status : Answered

Chosen Option : 3

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

A person who compiles a dictionary

- Ans ☒ 1. Plagiarist
- ☒ 2. Iconoclast
- ☒ 3. Bibliophile
- ☒ 4. Lexicographer

Question ID : 26433088123
Status : Answered
Chosen Option : 4

Q.10 Select the most appropriate ANTONYM of the word ‘Sophisticated’ from the given sentence.
The tribe had no access to modern technology or resources and had to rely on primitive tools and techniques for survival.

- Ans ☒ 1. Technology
- ☒ 2. Primitive
- ☒ 3. Modern
- ☒ 4. Techniques

Question ID : 264330133354
Status : Answered
Chosen Option : 2

Q.11 Read the given sentence and select the most appropriate synonym of the word ‘Vigilant’ from the following options.

The burglar was very cautious, so he avoided the security perfectly as they didn’t find any proof.

- Ans ☒ 1. cautious
- ☒ 2. proof
- ☒ 3. burglar
- ☒ 4. security

Question ID : 26433089719
Status : Answered
Chosen Option : 1

Q.12 Choose the ANTONYM of the word ‘effervescent’ in the given sentence.

Sonali is bubbly and carefree in comparison to her sister Mitali’s subdued nature.

- Ans ☒ 1. Bubbly
- ☒ 2. Comparison
- ☒ 3. Carefree
- ☒ 4. Subdued

Question ID : 26433088900
Status : Answered
Chosen Option : 4

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

The case of Vanuatu in 2020 is a clear example of the constant and complex challenges faced by SIDS. It shows how SIDS are dealing with multiple crises at the same time and how COVID-19 has particularly exposed SIDS' extreme and interlinked vulnerabilities.

- Ans
- ☒ 1. continuous
 - ☒ 2. severe
 - ☒ 3. free
 - ☒ 4. interlaced

Question ID : 26433090774
Status : Answered
Chosen Option : 4

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

Harangue

- Ans
- ☒ 1. Strict disciplinarian
 - ☒ 2. Breaker of idols
 - ☒ 3. Airplane shed
 - ☒ 4. A lengthy and aggressive speech

Question ID : 26433073747
Status : Answered
Chosen Option : 4

Q.15 Select the most appropriate option that can substitute the bracketed segment in the given sentence.

The river (flowing) under the bridge.

- Ans
- ☒ 1. was flow
 - ☒ 2. flows
 - ☒ 3. is flow
 - ☒ 4. is flowed

Question ID : 26433096202
Status : Answered
Chosen Option : 2

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

They have disposed all the old books.

- Ans
- ☒ 1. disposed of
 - ☒ 2. disposed out
 - ☒ 3. disposed on
 - ☒ 4. disposed by

Question ID : 26433098317
Status : Answered
Chosen Option : 1

Q.17 Select the most appropriate meaning of the given idiom.
To prime the pump

- Ans ☒ 1. Manipulate someone to achieve success
☒ 2. Encourage the growth or action of something'
☒ 3. To use a pump efficiently
☒ 4. Ask others to be ambitious

Question ID : 264330101303
Status : Answered
Chosen Option : 1

Q.18 The sentence given below has one misspelt word. Spot the INCORRECTLY spelt word and select its correct spelling.

Last-bench students are mysterious by nature.

- Ans ☒ 1. Mystirious
☒ 2. Misterous
☒ 3. Mysterious
☒ 4. Misterious

Question ID : 26433094790
Status : Answered
Chosen Option : 3

Q.19 Select the grammatically correct sentence.

- A. It is a old uniform but a memorable thing for me.
B. It is old uniform but a memorable thing for me.
C. It is the old uniform but memorable thing for me.
D. It is an old uniform but a memorable thing for me.

- Ans ☒ 1. D
☒ 2. C
☒ 3. B
☒ 4. A

Question ID : 26433073530
Status : Answered
Chosen Option : 1

Q.20 Select the option that expresses the given sentence in passive voice.
The audience loved her performance.

- Ans ☒ 1. The audience will love her performance.
☒ 2. The performance is loved by the audience.
☒ 3. Her performance was loved by the audience.
☒ 4. The performance was loved by her.

Question ID : 264330140237
Status : Answered
Chosen Option : 3

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.
Redwing had read (1) _____ that one of his favourite writers, Ernest Hemingway, had been asked what was the best (2) _____ for a novelist. He had said "an unhappy childhood". Redwing had enjoyed a fine time growing up, but he (3) _____ if this whole (4) _____ was unfolding more like a novel, and would be (5) _____ on one person, one character, the guy in charge: him. Maybe you got a happy childhood and then an unhappy adulthood, and that's how novels worked.

SubQuestion No : 21

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

- Ans ☒ 1. wholesome
☒ 2. negligently
☒ 3. somewhere
☒ 4. careless

Question ID : 264330139123
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.
Redwing had read (1) _____ that one of his favourite writers, Ernest Hemingway, had been asked what was the best (2) _____ for a novelist. He had said "an unhappy childhood". Redwing had enjoyed a fine time growing up, but he (3) _____ if this whole (4) _____ was unfolding more like a novel, and would be (5) _____ on one person, one character, the guy in charge: him. Maybe you got a happy childhood and then an unhappy adulthood, and that's how novels worked.

SubQuestion No : 22

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

- Ans ☒ 1. nature
☒ 2. training
☒ 3. medication
☒ 4. maintenance

Question ID : 264330139124
Status : Not Answered
Chosen Option : --

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.
Redwing had read (1) _____ that one of his favourite writers, Ernest Hemingway, had been asked what was the best (2) _____ for a novelist. He had said "an unhappy childhood". Redwing had enjoyed a fine time growing up, but he (3) _____ if this whole (4) _____ was unfolding more like a novel, and would be (5) _____ on one person, one character, the guy in charge: him. Maybe you got a happy childhood and then an unhappy adulthood, and that's how novels worked.

SubQuestion No : 23

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

- Ans ☒ 1. wasted
☒ 2. wondered
☒ 3. wandered
☒ 4. welded

Question ID : 264330139125
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.
Redwing had read (1) _____ that one of his favourite writers, Ernest Hemingway, had been asked what was the best (2) _____ for a novelist. He had said "an unhappy childhood". Redwing had enjoyed a fine time growing up, but he (3) _____ if this whole (4) _____ was unfolding more like a novel, and would be (5) _____ on one person, one character, the guy in charge: him. Maybe you got a happy childhood and then an unhappy adulthood, and that's how novels worked.

SubQuestion No : 24

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

- Ans ☒ 1. expiation
☒ 2. expectation
☒ 3. exasperation
☒ 4. expedition

Question ID : 264330139126
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.

Redwing had read (1) _____ that one of his favourite writers, Ernest Hemingway, had been asked what was the best (2) _____ for a novelist. He had said "an unhappy childhood". Redwing had enjoyed a fine time growing up, but he (3) _____ if this whole (4) _____ was unfolding more like a novel, and would be (5) _____ on one person, one character, the guy in charge: him. Maybe you got a happy childhood and then an unhappy adulthood, and that's how novels worked.

SubQuestion No : 25

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

Ans  1. based

 2. bloomed

 3. blessed

 4. blamed

Question ID : 264330139127

Status : Answered

Chosen Option : 1

