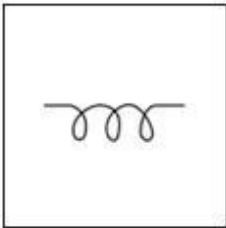


Combined Graduate Level Examination 2024 Tier I

Exam Date	09/09/2024
Exam Time	4:00 PM - 5:00 PM
Subject	Combined Graduate Level Examination Tier I

Section : General Intelligence and Reasoning

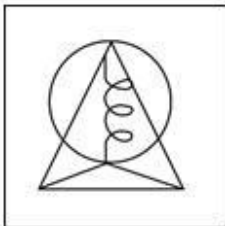
Q.1 Select the option figure in which the given figure (X) is embedded (rotation is NOT allowed).



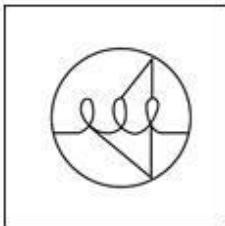
(X)

Ans

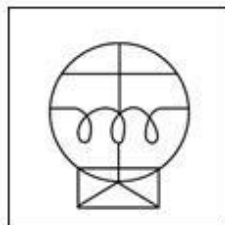
✗ 1.



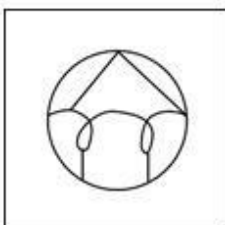
✗ 2.



✓ 3.



✗ 4.



Q.2 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.

Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.

- Ans**
- ☒ 1. BEHI
 - ☐ 2. TWYZ
 - ☐ 3. PSUV
 - ☐ 4. FIKL

Q.3 In a certain code language, 'SILK' is written as 'TIML' and 'INSECT' is written as 'IOTEDU'. How will 'CHANGE' be written in that language?

- Ans**
- ☐ 1. DOIHAE
 - ☐ 2. DEIOHA
 - ☐ 3. DEIHAO
 - ☒ 4. DIAOHE

Q.4 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 /deleting /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.)
(19, 456, 6)
(16, 320, 5)

- Ans**
- ☐ 1. (18, 378, 7)
 - ☐ 2. (14, 210, 5)
 - ☐ 3. (21, 504, 8)
 - ☒ 4. (18, 648, 9)

Q.5 The position of how many letters will remain unchanged if each of the letter in the word 'JANITOR' is arranged in English alphabetical order?

- Ans**
- ☐ 1. Three
 - ☐ 2. Two
 - ☐ 3. One
 - ☒ 4. Zero

Q.6 Which figure should replace the question mark (?) if the following series were to be continued?

		=			8			T			△			
	B	U		2	=		U	2		8	T			
2	T	9	T	9	U	8	=	9	=	9	2			?

Ans

✗ 1.

		=												
	9	8												
△	2	T												

✗ 2.

		=												
	△	2												
8	T	9												

✗ 3.

		=												
	△	9												
8	T	2												

✓ 4.

		=												
	2	8												
△	T	9												

Q.7 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 /deleting /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.)
 (12, 145)
 (9, 82)

- Ans**
- ✗ 1. (16, 256)
 - ✓ 2. (14, 197)
 - ✗ 3. (22, 483)
 - ✗ 4. (8, 69)

Q.8 Which of the four options will replace the question mark (?) in the following series?
 XF 11 , YI 15, ZL 19 , AO 23, ?

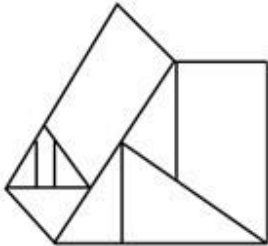
- Ans**
- ✗ 1. CQ 25
 - ✗ 2. BP 26
 - ✗ 3. CR 25
 - ✓ 4. BR 27

Q.9 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

P _ A A _ _ Z A _ V _ _ A _ _

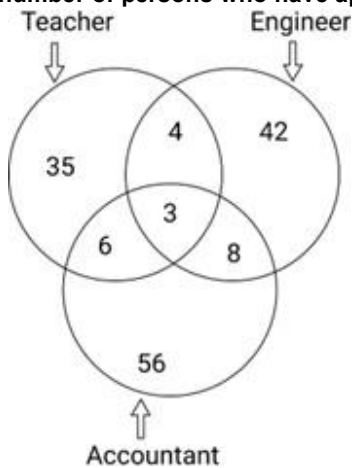
- Ans
- ☒ 1. VPZZPVAP
 - ☒ 2. ZPVVAPVZ
 - ☒ 3. ZVPAPZAV
 - ☒ 4. VZAAPVPZ

Q.10 How many triangles are there in the given figure?



- Ans
- ☒ 1. 6
 - ☒ 2. 8
 - ☒ 3. 4
 - ☒ 4. 5

Q.11 Study the given diagram carefully and answer the question that follows. The numbers in different sections indicate the number of persons who have applied for different posts.



What is the total number of persons who have applied for more than one post?

- Ans
- ☒ 1. 21
 - ☒ 2. 113
 - ☒ 3. 15
 - ☒ 4. 18

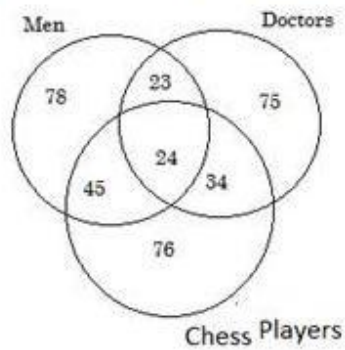
Q.12 Three of the following numbers are alike in a certain way and one is different. Pick the odd one out.
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., 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. $36 - 84$
 - ☒ 2. $72 - 168$
 - ☒ 3. $66 - 154$
 - ☒ 4. $33 - 72$

Q.13 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.
CWE:ZFX ::PYT:MDI :: KIL:?

- Ans**
- ☒ 1. PRO
 - ☒ 2. RTQ
 - ☒ 3. STQ
 - ☒ 4. PQO

Q.14 The following Venn diagram shows Men's profession as Doctors and Chess Players.



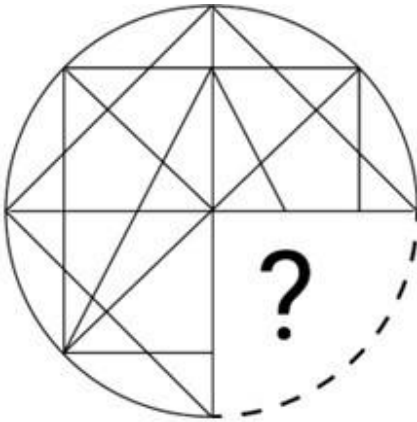
How many men are doctors?

- Ans**
- ☒ 1. 47
 - ☒ 2. 34
 - ☒ 3. 24
 - ☒ 4. 23

Q.15 Which of the following terms will replace the question mark (?) in the given series?
MFT, NIS, PLQ, SON, WRJ, ?

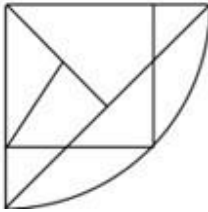
- Ans**
- ☒ 1. RUE
 - ☒ 2. BUE
 - ☒ 3. BVD
 - ☒ 4. BUP

Q.16 Select the option that will replace the question mark (?) in the figure given below to complete the pattern.

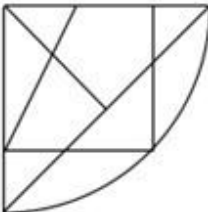


Ans

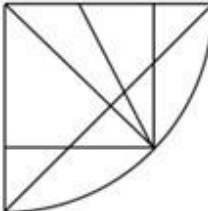
✗ 1.



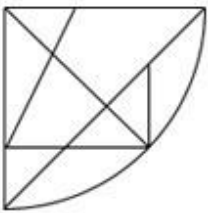
✗ 2.



✓ 3.



✗ 4.



Q.17 Select the number from the given options to complete the series.
35, 38, 43, 50, 59, ____

Ans

✗ 1. 62

✗ 2. 68

✗ 3. 78

✓ 4. 70

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

(34, 47, 62)

(119, 142, 167)

(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 /deleting /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)

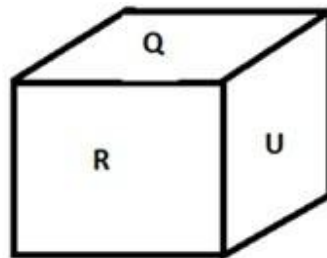
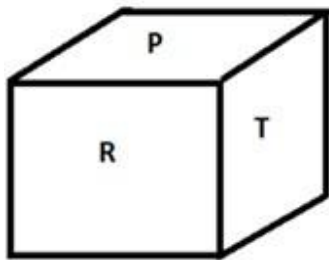
Ans ☒ 1. (27, 38, 51)

☒ 2. (48, 65, 82)

☒ 3. (64, 78, 99)

☒ 4. (79, 98, 119)

Q.19 Six letters P, Q, R, S, T and U are written on different faces of a dice. Two positions of this dice are shown in the figure below. Find the letter on the face opposite to R.



Ans ☒ 1. T

☒ 2. Q

☒ 3. U

☒ 4. S

Q.20 Which two numbers (not digits) should be interchanged to make the given equation correct?

$$24 \div 3 - 4 \times 2 + 6 \times 5 + 12 = 50$$

Ans ☒ 1. 5 and 4

☒ 2. 4 and 3

☒ 3. 24 and 12

☒ 4. 3 and 2

Q.21 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$321 - 371 \div 22 + 216 \times 6 = ?$$

Ans ☒ 1. 7848

☒ 2. 7884

☒ 3. 8747

☒ 4. 8447

Q.22 In a certain code language,
 $A + B$ means 'A is the son of B',
 $A - B$ means 'A is the sister of B',
 $A \times B$ means 'A is the brother of B' and
 $A \div B$ means 'A is the mother of B'.
Based on the above, how is T related to P if ' $P \div Q \times R - M + T$ '?

- Ans**
- ☐ 1. Son
 - ☐ 2. Brother
 - ☐ 3. Father
 - ☒ 4. Husband

Q.23 Six letters A, M, R, S, Y and Q are written on different faces of a dice. Two positions of this dice are shown in the figures below. Find the letter on the face opposite to S.

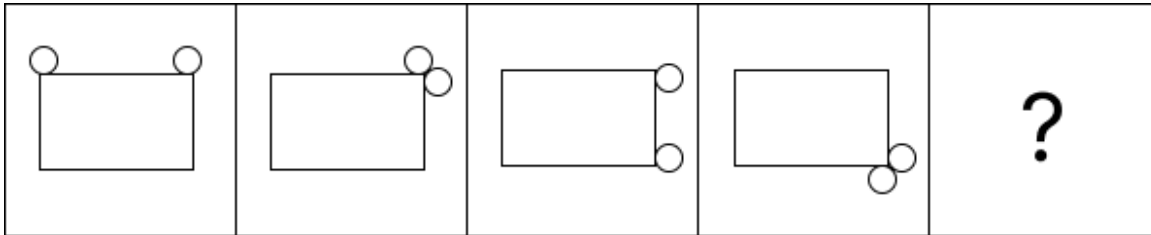


- Ans**
- ☐ 1. Q
 - ☐ 2. M
 - ☐ 3. Y
 - ☒ 4. A

Q.24 In a certain code language, 'SET' is coded as '37' and 'MIX' is coded as '35'. How will 'WAR' be coded in that language?

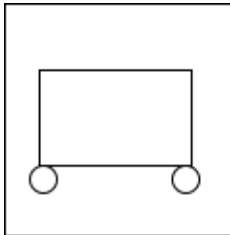
- Ans**
- ☒ 1. 39
 - ☐ 2. 21
 - ☐ 3. 32
 - ☐ 4. 29

Q.25 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?

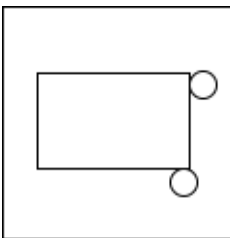


Ans

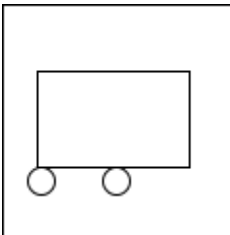
✓ 1.



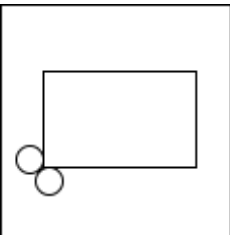
✗ 2.



✗ 3.



✗ 4.



Section : General Awareness

Q.1 Who among the following devised the system of 'Subsidiary Alliance'?

Ans ✓ 1. Lord Wellesley

✗ 2. Lord Canning

✗ 3. Lord William Bentinck

✗ 4. Lord Dalhousie

Q.2 At which Olympics was Kho-Kho featured in an exhibition in the main stadium?

Ans ✓ 1. 1936

✗ 2. 1932

✗ 3. 2008

✗ 4. 2016

Q.3 Which of the following statements is INCORRECT?

- Ans**
- ☒ 1. Fats and oils get reduced over time and smell bad.
 - ☐ 2. Fats and oils are oxidised, they become rancid.
 - ☐ 3. Antioxidants are added to foods containing fats and oil to prevent oxidation.
 - ☐ 4. Chips manufacturers usually flush bags of chips with Nitrogen to prevent the chips from getting rancid.

Q.4 Hot local wind that flows over north India in summer is known as:

- Ans**
- ☒ 1. Loo
 - ☐ 2. Chinook
 - ☐ 3. Mango showers
 - ☐ 4. Purga

Q.5 'Nuakhai' is the state festival of:

- Ans**
- ☐ 1. Meghalaya
 - ☒ 2. Odisha
 - ☐ 3. Tamil Nadu
 - ☐ 4. Bihar

Q.6 Which Article of the Indian Constitution prohibits providing of any religious instruction in the educational institutions maintained by the State?

- Ans**
- ☐ 1. Article 29
 - ☒ 2. Article 28
 - ☐ 3. Article 30
 - ☐ 4. Article 31

Q.7 As per the definition of Census of India, a 'marginal worker' is a person who works for:

- Ans**
- ☒ 1. less than 183 days (or six months) in a year
 - ☐ 2. more than 183 days (or six months) in a year
 - ☐ 3. eight months in a year
 - ☐ 4. 83 days in a year

Q.8 In which year was the 'Naye Bharat Ke Sapne' campaign launched by Meta and the Ministry of Women?

- Ans**
- ☐ 1. 2022
 - ☒ 2. 2023
 - ☐ 3. 2020
 - ☐ 4. 2021

Q.9 Under which of the following Acts was the power to rule India, transferred from the English East India Company to the British Crown?

- Ans**
- ☐ 1. Charter Act of 1833
 - ☐ 2. Regulating Act 1773
 - ☐ 3. Pitt's India Act 1784
 - ☒ 4. Government of India Act 1858

Q.10 Which of the following is an inactivated (killed) polio vaccine developed in 1952?

- Ans**
- ☒ 1. Salk vaccine
 - ☐ 2. Imvanex vaccine
 - ☐ 3. HDCV vaccine
 - ☐ 4. TAB vaccine

Q.11 Which of the following statements is correct?.

- Ans**
- ☐ 1. The five-year plan focuses mostly on private intervention in the economy.
 - ☐ 2. The five-year plan always focused on the growth of the tertiary sector.
 - ☒ 3. The five-year plan permits long-term intervention by the government in the economy.
 - ☐ 4. A five-year plan always stresses market-oriented activities.

Q.12 What is the length of Indian Railways network, according to Railway Yearbook 2019-20?

- Ans**
- ☒ 1. 67,956 km
 - ☐ 2. 1,604 km
 - ☐ 3. 63,950 km
 - ☐ 4. 2,402 km

Q.13 In Pradhan Mantri Gramin Awaas yojana, the cost of unit assistance is shared between Central and State Governments in the ratio _____ in plain areas.

- Ans**
- ☒ 1. 60 : 40
 - ☐ 2. 40 : 60
 - ☐ 3. 90 : 10
 - ☐ 4. 30 : 70

Q.14 Silappathikaram (the Jewelled Anklet), the earliest epic poem in Tamil was written in the 5th - 6th Century CE by _____.

- Ans**
- ☐ 1. Tolkappiyar
 - ☒ 2. Ilango Adigal
 - ☐ 3. Sittalai Sattanar
 - ☐ 4. Tirumalisai Alwar

Q.15 Which of the following is the largest crustal plate on Earth with an area of over 103,000,000 km²?

- Ans**
- ☐ 1. South American plate
 - ☐ 2. African plate
 - ☐ 3. Eurasian plate
 - ☒ 4. Pacific plate

Q.16 Which of the following personalities is a Padma Shri awardee folk singer from the state of Uttar Pradesh?

- Ans**
- ☐ 1. Ila Arun
 - ☒ 2. Ajita Srivastava
 - ☐ 3. Gurmeet Bawa
 - ☐ 4. Teejan Bai

Q.17 Which of the following countries won the first men's Asian Hockey Championship trophy?

- Ans**
- ☐ 1. Japan
 - ☐ 2. China
 - ☒ 3. India
 - ☐ 4. Pakistan

Q.18 Which of the following goods needs further transformation in the economic process?

- Ans**
- ☐ 1. Consumer durable goods
 - ☐ 2. Finished goods
 - ☒ 3. Intermediate goods
 - ☐ 4. Capital goods

Q.19 In which of the following states is the Nrityagram, an Odissi dance institution, located?

- Ans**
- ☐ 1. Kerala
 - ☒ 2. Karnataka
 - ☐ 3. Tamil Nadu
 - ☐ 4. Maharashtra

Q.20 Who among the following was the youngest instrumentalist to be awarded the Padma Bhushan, the third highest civilian award of India in 2002?

- Ans**
- ☐ 1. Pandit Ravi Shankar
 - ☒ 2. Ustad Zakir Hussain
 - ☐ 3. Pandit Bhimsen Joshi
 - ☐ 4. Ustad Bismillah Khan

Q.21 Who was the revenue minister during the reign of Akbar?

- Ans**
- ☒ 1. Todar Mal
 - ☐ 2. Abdul Rahim
 - ☐ 3. Mulla Do-Piyaza
 - ☐ 4. Tansen

Q.22 Which of the following illustrations shows the mitochondrion's structural details?



- Ans**
- ☐ 1. d
 - ☒ 2. b
 - ☐ 3. c
 - ☐ 4. a

Q.23 Which of the following is a straight-chain alkyl carboxylic acid with the chemical formula $\text{CH}_3\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$?

- Ans**
- ☐ 1. Methanoic acid
 - ☐ 2. Propionic acid
 - ☐ 3. Ethanoic acid
 - ☒ 4. Butyric acid

Q.24 Article 77 of the Indian Constitution deals with the _____.

- Ans**
- ☐ 1. term of office of the Vice-President
 - ☐ 2. Vice-President of India
 - ☐ 3. oath of office by the Vice-President
 - ☒ 4. conduct of business of the Government of India

Q.25 The Muslim Women (Protection of Rights on Marriage) Act, 2019 deals with subsistence allowance in which of the following Sections?

- Ans**
- ☒ 1. Section 5
 - ☐ 2. Section 6
 - ☐ 3. Section 7
 - ☐ 4. Section 4

Q.1 A stock portfolio consists of four stocks. Stock A represents 20% of the portfolio and has a return of 6%. Stock B represents 30% of the portfolio and has a return of 8%. Stock C represents 20% of the portfolio and has a return of 4%. Stock D represents the remaining 30% of the portfolio and has a negative-return of 5%. What is the average return of the portfolio?

- Ans**
- ☒ 1. 2.9%
 - ☐ 2. 2.6%
 - ☐ 3. 3.2%
 - ☐ 4. 3.4%

Q.2 Simplify:

$$13 - [7 - (4 + 7) - \{7 - (7 - 4 + 7)\} + 14]$$

- Ans**
- ☐ 1. 13
 - ☐ 2. 9
 - ☒ 3. 0
 - ☐ 4. 26

Q.3 The given table shows the number of pages printed by four printers in three days.

Days	Printers			
	L	M	N	O
Friday	10,230	9580	7560	9600
Saturday	8540	11,230	6580	7890
Sunday	9235	8264	7546	10,325

If the total number of pages printed by all the given printers together on Wednesday was 15% more than the total number of pages printed by all the given printers together on Saturday, what was the total number of pages printed by all the given printers together on Wednesday?

- Ans**
- ☐ 1. 38,450
 - ☐ 2. 42,577
 - ☐ 3. 40,263
 - ☒ 4. 39,376

Q.4 In a clearance sale, a sari whose marked price was ₹10,490 is now sold for ₹9,441. What is the discount percentage on the sari?

- Ans**
- ☒ 1. 10%
 - ☐ 2. 15%
 - ☐ 3. 18%
 - ☐ 4. 12%

Q.5 A pipe can fill an overhead tank in 12 hours. But due to a leak at the bottom, it is filled in 18 hours. If the tank is full, how much time will the leak take to empty it?

- Ans**
- ☐ 1. 3.6 hours
 - ☐ 2. 63 hours
 - ☐ 3. 7.2 hours
 - ☒ 4. 36 hours

Q.6 Two triangles EFG and HIJ are congruent. If the area of $\triangle EFG$ is 124 cm^2 , then the area of $\triangle HIJ$ will be:

- Ans**
- ☒ 1. 124 cm^2
 - ☐ 2. 248 cm^2
 - ☐ 3. 62 cm^2
 - ☐ 4. 31 cm^2

Q.7 Let $a + b = 2c$, then which of the following expressions is true?

- Ans**
- ☐ 1. $a^2 + 2ac = b^2 + 2bc$
 - ☐ 2. $a^2 - 2bc = b^2 - 2ac$
 - ☒ 3. $a^2 + 2bc = b^2 + 2ac$
 - ☐ 4. $a^2 - ac = b^2 - bc$

Q.8 If the equations $4x + (k - 2)y + 3 = 0$ and $(k - 2)x + 9y - 5 = 0$ ($k > 0$) are parallel, then find the value of $k^2 + 6$.

- Ans**
- ☐ 1. 68
 - ☒ 2. 70
 - ☐ 3. 72
 - ☐ 4. 64

Q.9 Study the given table and answer the question that follows.

The given table shows the production of T-shirts by four companies i.e., C1, C2, C3 and C4 over the four years.

Year	Production (in thousands)			
	C1	C2	C3	C4
2019	243	244	244	240
2020	248	239	236	230
2021	232	240	235	248
2022	242	244	230	242

Which company had the maximum average production of T-shirts during these four years?

- Ans**
- ☐ 1. C1
 - ☐ 2. C3
 - ☒ 3. C2
 - ☐ 4. C4

Q.10 If x, y and z are positive numbers and $x + y + z = 1$, then the least value of $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$ is:

- Ans
- ☐ 1. 7
 - ☐ 2. 5
 - ☒ 3. 9
 - ☐ 4. 11

Q.11 The mean proportional of $8a^2$ and $\frac{18}{a^4}$, where a is a positive number, is _____.

- Ans
- ☐ 1. $\frac{12}{a^2}$
 - ☐ 2. $12a$
 - ☐ 3. $12a^2$
 - ☒ 4. $\frac{12}{a}$

Q.12 If $\frac{\sec \alpha + \tan \alpha}{\sec \alpha - \tan \alpha} = \frac{7}{4}$, then find the value of $\operatorname{cosec} \alpha$.

- Ans
- ☐ 1. $\frac{1}{3}$
 - ☐ 2. $\frac{1}{11}$
 - ☒ 3. $\frac{11}{3}$
 - ☐ 4. $\frac{3}{11}$

Q.13 Ramesh has ₹18,000. He deposited ₹7,000 in a bank at the rate of 5% per annum and ₹6,000 in other bank at the rate of 6% per annum simple interest. If he received ₹1,160 as simple interest at the end of one year, then the rate of interest per annum on rest of the capital is equal to:

- Ans
- ☐ 1. 10%
 - ☐ 2. 11%
 - ☒ 3. 9%
 - ☐ 4. 8%

Q.14 If the length, breadth, and height of a cuboid is 8 cm, 4 cm, and 6 cm, respectively, then the volume (in cm^3) of the cuboid is:

- Ans
- ☐ 1. 218
 - ☒ 2. 192
 - ☐ 3. 96
 - ☐ 4. 172

Q.15

The following table shows the sale (in thousands) of different types of helmets by a shop over the given years.

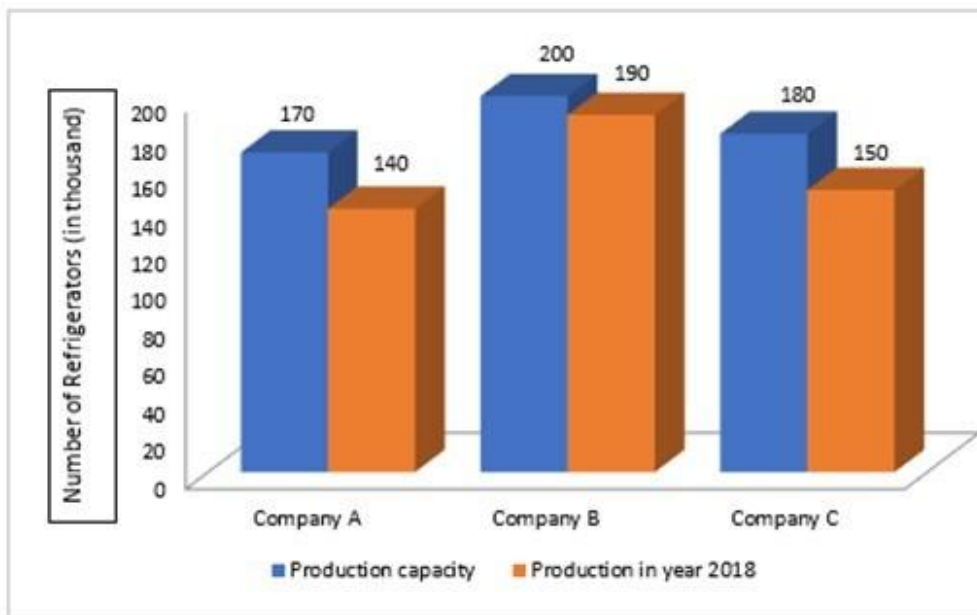
Type of Helmet/Year	1998	1999	2000	2001	2002
A	78	45	56	63	88
B	58	64	78	60	68
C	46	54	58	64	68
D	76	65	72	78	82
E	87	66	74	80	84

What was the percentage increase in the sale of Helmets C in 2002 as compared to that in 1999?

- Ans
- ✓ 1. 25.93%
 - ✗ 2. 26.39%
 - ✗ 3. 28.26%
 - ✗ 4. 27.62%

Q.16 Study the given graph and answer the question that follows.

The graph shows the production of refrigerators by three companies in 2018.



The refrigerators produced by company C form what percentage of the total production?

- Ans
- ✗ 1. 34.35%
 - ✗ 2. 32.56%
 - ✗ 3. 30.25%
 - ✓ 4. 31.25%

Q.17 What is the perimeter (in cm, rounded off to one decimal place) of the sector of a circle with a radius of 10 cm and of angle 30° ?
(Use $\pi = 3.14$)

- Ans**
- ☐ 1. 20.4
 - ☐ 2. 35.7
 - ☐ 3. 82.8
 - ☒ 4. 25.2

Q.18 If 7845K854 is divisible by 11, then what is the value of K?

- Ans**
- ☐ 1. 6
 - ☒ 2. 9
 - ☐ 3. 7
 - ☐ 4. 8

Q.19 If A is an acute angle, which of the following is equal to $\frac{\sin A}{1 + \cos A}$?

- Ans**
- ☒ 1. $\frac{1 - \cos A}{\sin A}$
 - ☐ 2. $\frac{1 + \cos A}{\sin A}$
 - ☐ 3. $\frac{1 - \sin A}{\cos A}$
 - ☐ 4. $\frac{1 + \sin A}{\cos A}$

Q.20 In $\triangle PQR$, the bisectors of $\angle Q$ and $\angle R$ meet at point O, inside the triangle. If $\angle QOR = 107^\circ$, then the measure of $\angle P$ is:

- Ans**
- ☐ 1. 40°
 - ☐ 2. 23°
 - ☐ 3. 17°
 - ☒ 4. 34°

Q.21 If $\frac{7\sin\theta + 4\cos\theta}{9\sin\theta - 2\cos\theta} = \frac{5}{4}$, then the value of $\frac{\tan^2\theta + 5}{\tan^2\theta - 5}$ is:

- Ans**
- ☐ 1. $\frac{2121}{769}$
 - ☒ 2. $-\frac{2121}{769}$
 - ☐ 3. $\frac{769}{2121}$
 - ☐ 4. $-\frac{769}{2121}$

Q.22 A number is first increased by 12% and then increased by 23%. The number, so obtained, is now decreased by 34%. What is the net increase or decrease percent in the original number (nearest to an integer)?

- Ans**
- ☐ 1. 10% increase
 - ☒ 2. 9% decrease
 - ☐ 3. 10% decrease
 - ☐ 4. 9% increase

Q.23 A dishonest shopkeeper claims to sell salt at a rate of ₹25/kg. The cost price of the salt is ₹25/kg. Not satisfied with this, he tries to make profit by removing 200 gm from each kg. What is the shopkeeper's gain percentage?

- Ans**
- ☐ 1. 15%
 - ☒ 2. 25%
 - ☐ 3. 30%
 - ☐ 4. 20%

Q.24 A thief noticed a policeman at a distance of 600 metres. The thief started running and the policeman chased him. The thief and policeman are running at speeds of 12 km/h and 15 km/h, respectively. Find the time (in minutes) required for the policeman to catch the thief.

- Ans**
- ☐ 1. 8
 - ☐ 2. 10
 - ☒ 3. 12
 - ☐ 4. 15

Q.25 Find the area (in cm^2) of the sector whose perimeter is $\frac{64}{3}$ cm and central angle is 60° . (Use $\pi = \frac{22}{7}$.)

- Ans**
- ☐ 1. $\frac{47}{3}$
 - ☒ 2. $\frac{77}{3}$
 - ☐ 3. $\frac{68}{3}$
 - ☐ 4. $\frac{85}{3}$

Section : English Comprehension

Q.1 Select the option that can be used as a one-word substitute for the given group of words.
Morbid compulsion to consume alcohol continuously

- Ans**
- ☐ 1. Satyromania
 - ☐ 2. Maniac
 - ☐ 3. Kleptomania
 - ☒ 4. Dipsomania

Q.2 Select the option that expresses the given sentence in active voice.
The painting was admired by art enthusiasts from around the world.

- Ans**
- ☐ 1. The painting was being admired by art enthusiasts from around the world.
 - ☒ 2. Art enthusiasts from around the world admired the painting.
 - ☐ 3. Art enthusiasts from around the world have admired the painting.
 - ☐ 4. The painting has been admired by art enthusiasts from around the world.

Q.3 Select the word segment that can substitute the bracketed word segment correctly and complete the sentence meaningfully.
(Each participant have) performed well.

- Ans**
- ☐ 1. Each participant was
 - ☒ 2. Each participant has
 - ☐ 3. Each participant have been
 - ☐ 4. Each participant were

Q.4 Select the most appropriate meaning of the underlined idiom.
Fatima was at her wits' end trying to decide on a serene place for spending the holidays in.

- Ans**
- ☒ 1. So worried, confused or annoyed that she does not know what to do next
 - ☐ 2. So worried, confused or annoyed that she became unconscious
 - ☐ 3. So calm and composed that she knows what to do next
 - ☐ 4. So worried, confused or annoyed that she insulted others for no reason

Q.5 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

P. having the opportunity of observing people's
Q. we respect and appreciate their point of views
R. the advantage of travelling different places and
S. culture, custom and lifestyle, is that

- Ans**
- ☐ 1. RQPS
 - ☐ 2. PSQR
 - ☒ 3. RPSQ
 - ☐ 4. SQPR

Q.6 Select the **INCORRECTLY** spelt word.

- Ans**
- ☐ 1. Accommodate
 - ☒ 2. Mischievious
 - ☐ 3. Millennium
 - ☐ 4. Privilege

Q.7 Select the most appropriate synonym of the given word.
Taut

- Ans**
- ☐ 1. Slack
 - ☒ 2. Tight
 - ☐ 3. Torn
 - ☐ 4. Flaccid

Q.8 Select the option that expresses the given sentence in active voice.
He will be made President by the people.

- Ans**
- ☐ 1. People will be making him the President.
 - ☒ 2. The people will make him President.
 - ☐ 3. By the people, he shall be made the President.
 - ☐ 4. He will be made President by the people.

Q.9 Which of the following idioms means 'to steal from a shop'?

- Ans**
- ☐ 1. Golden opportunity
 - ☐ 2. Green thumb
 - ☒ 3. Five-finger discount
 - ☐ 4. Black sheep

Q.10 Parts of the following sentence have been given as options. Select the option that contains an error.
I are dancing with my husband at my sister's wedding.

- Ans**
- ☐ 1. husband at my
 - ☐ 2. sister's wedding
 - ☐ 3. with my
 - ☒ 4. I are dancing

Q.11 Parts of the following sentence have been given as options. Select the option that contains an error.
The tea at this café is best than at the Costa Café in our office.

- Ans**
- ☒ 1. at the Costa Café
 - ☒ 2. The tea at this café
 - ☒ 3. is best than
 - ☒ 4. in our office

Q.12 Select the most appropriate ANTONYM of the given word.
Miserable

- Ans**
- ☒ 1. Melodious
 - ☒ 2. Settled
 - ☒ 3. Restrained
 - ☒ 4. Cheerful

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

- Ans**
- ☒ 1. Restock
 - ☒ 2. Destroy
 - ☒ 3. Seize
 - ☒ 4. Titivate

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

- Ans**
- ☒ 1. noisome
 - ☒ 2. mortal
 - ☒ 3. noxious
 - ☒ 4. nutritive

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence.
There are many factories in the operative area of the city.

- Ans**
- ☒ 1. industrial
 - ☒ 2. serviceable
 - ☒ 3. industrious
 - ☒ 4. mechanical

Q.16 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

The elaborate syllabi had to be _____ (summarised) to make a presentation in the UGC assessment meeting.

- Ans**
- ☒ 1. expanded
 - ☒ 2. recapitulated
 - ☒ 3. prolonged
 - ☒ 4. lengthened

Q.17 Identify the **INCORRECTLY** spelt word in the following sentence and select its correct spelling from the given options.
I received a parcel in the mail today.

- Ans**
- ☒ 1. received
 - ☐ 2. recived
 - ☐ 3. recieved
 - ☐ 4. receaved

Q.18 Select the option that can be used as a one-word substitute for the underlined group of words.
The question papers are placed in the lockers of the school in a way that they can't be reached.

- Ans**
- ☐ 1. are irrepressible
 - ☒ 2. are inaccessible
 - ☐ 3. are affordable
 - ☐ 4. are affable

Q.19 Select the most appropriate homophone to fill in the blank.
He has the _____ to express his thoughts.

- Ans**
- ☒ 1. right
 - ☐ 2. ride
 - ☐ 3. write
 - ☐ 4. rite

Q.20 Select the option that can be used as a one-word substitute for the given group of words.
An order of law requiring people to remain indoors

- Ans**
- ☐ 1. Restriction
 - ☒ 2. Curfew
 - ☐ 3. Limit
 - ☐ 4. Check in

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.

Tea prices in the domestic (1) _____ continue to rule high in the current year despite the expectation of a higher production as compared to the previous year. During the past three months, tea prices have been (2) _____ with the prices of other companies. Unlike last year, tea prices have generally shown (3) _____, when tea prices rose dramatically, this year, prices seem to have (4) _____ at a rather high level. In the subsequent four months, the (5) _____ average price showed a downtrend.

SubQuestion No : 21

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

- Ans**
- ☒ 1. market
 - ☐ 2. area
 - ☐ 3. zone
 - ☐ 4. field

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.

Tea prices in the domestic (1) _____ continue to rule high in the current year despite the expectation of a higher production as compared to the previous year. During the past three months, tea prices have been (2) _____ with the prices of other companies. Unlike last year, tea prices have generally shown (3) _____, when tea prices rose dramatically, this year, prices seem to have (4) _____ at a rather high level. In the subsequent four months, the (5) _____ average price showed a downtrend.

SubQuestion No : 22

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

- Ans**
- ☒ 1. aligning
 - ☐ 2. favouring
 - ☐ 3. countering
 - ☐ 4. encountering

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.

Tea prices in the domestic (1) _____ continue to rule high in the current year despite the expectation of a higher production as compared to the previous year. During the past three months, tea prices have been (2) _____ with the prices of other companies. Unlike last year, tea prices have generally shown (3) _____, when tea prices rose dramatically, this year, prices seem to have (4) _____ at a rather high level. In the subsequent four months, the (5) _____ average price showed a downtrend.

SubQuestion No : 23

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

- Ans**
- ☐ 1. an inflow
 - ☐ 2. an innate
 - ☐ 3. a reduction
 - ☒ 4. an uptrend

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.

Tea prices in the domestic (1) _____ continue to rule high in the current year despite the expectation of a higher production as compared to the previous year. During the past three months, tea prices have been (2) _____ with the prices of other companies. Unlike last year, tea prices have generally shown (3) _____, when tea prices rose dramatically, this year, prices seem to have (4) _____ at a rather high level. In the subsequent four months, the (5) _____ average price showed a downtrend.

SubQuestion No : 24

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

- Ans**
- ☒ 1. stabilised
 - ☐ 2. moderated
 - ☐ 3. equated
 - ☐ 4. abated

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.

Tea prices in the domestic (1)_____continue to rule high in the current year despite the expectation of a higher production as compared to the previous year. During the past three months, tea prices have been (2)_____with the prices of other companies. Unlike last year, tea prices have generally shown (3)_____, when tea prices rose dramatically, this year, prices seem to have (4)_____at a rather high level. In the subsequent four months, the (5)_____average price showed a downtrend.

SubQuestion No : 25

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

- Ans**
- ☒ 1. monthly
 - ☐ 2. half yearly
 - ☐ 3. weekly
 - ☐ 4. yearly