

Combined Graduate Level Examination 2024 Tier I

Exam Date	11/09/2024
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I

Section : General Intelligence and Reasoning

Q.1 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$14014 \times 14 - 10 \div 8 + 14 = ?$$

- Ans**
- ☐ 1. 1062
 - ☐ 2. 1063
 - ☒ 3. 1067
 - ☐ 4. 1064

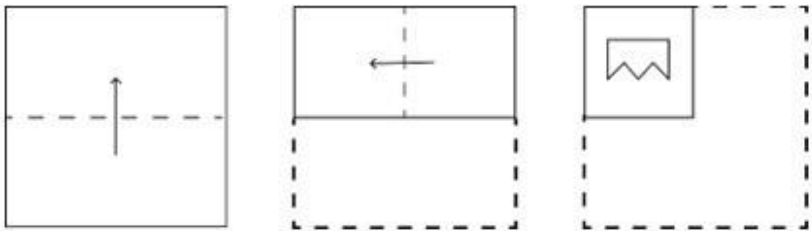
Q.2 The position(s) of how many letters will remain unchanged if all the letters in the word 'MEADOW' are arranged in English alphabetical order?

- Ans**
- ☐ 1. None
 - ☒ 2. Two
 - ☐ 3. One
 - ☐ 4. Three

Q.3 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.)
(280, 140)
(186, 93)

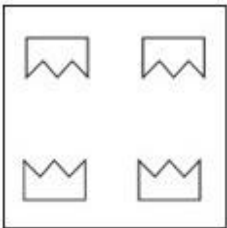
- Ans**
- ☒ 1. (118, 59)
 - ☐ 2. (92, 51)
 - ☐ 3. (86, 48)
 - ☐ 4. (166, 84)

Q.4 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

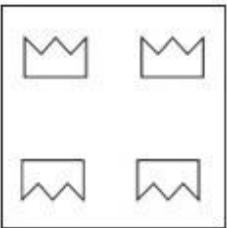
✓ 1.



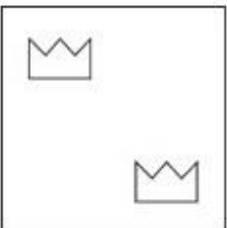
✗ 2.



✗ 3.



✗ 4.



Q.5 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



Ans

- ✓ 1. n o v z y
- ✗ 2. n o v z y
- ✗ 3. n o v z y
- ✗ 4. n o v z y

Q.6 Which two numbers (not digits) should be interchanged to make the given equation correct?
 $48 \div 3 + 12 \times 4 - 6 \times 7 + 21 = 27$

- Ans
- ✓ 1. 3 and 4
 - ✗ 2. 3 and 6
 - ✗ 3. 4 and 7
 - ✗ 4. 12 and 21

Q.7 The question contains pairs of words that are related to each other in a certain way. Three of the following four word pairs are alike as these have the same relationship and thus form a group. Which word pair is the one that DOES NOT belong to that group?

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters / number of consonants/vowels in the word.)


- Ans
- ✗ 1. Bone – orthopaedic
 - ✓ 2. Uterus – urologist
 - ✗ 3. Stomach – gastroenterologist
 - ✗ 4. Eye – ophthalmologist


Q.8 In a certain code language, 'CONFUSED' is coded as '7' and 'CHAIN' is coded as '4'. How will 'ADULTHOOD' be coded in that language?


- Ans
- ✗ 1. 9
 - ✗ 2. 7
 - ✓ 3. 8
 - ✗ 4. 6

Q.9 The same operation(s) are followed in all the given number pairs except one. Find that odd number pair.
(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. 151 : 19

 2. 128 : 16

 3. 135 : 17

 4. 103 : 13

Q.10 Identify the figure given in the options which when put in place of ? will logically complete the series.

@	@ *	@ * %	@ * % =	?
---	-----	-------	------------	---

Ans

✓ 1.

@ * % = \$

✗ 2.

@ * % %

✗ 3.

@ * % \$ =

✗ 4.

@ * % @

Q.11 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

q p _ r _ r q _ p _ r p _ q _ p r _ p _ q

Ans ✗ 1. r p q r r p r q

✓ 2. r p q r r q r r

✗ 3. r p q q r q r p

✗ 4. r p q r r q r p

Q.12 16 is related to 112 following a certain logic. Following the same logic, 26 is related to 182. To which of the following is 44 related, following the same logic?

(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. 308

✗ 2. 312

✗ 3. 310

✗ 4. 302

Q.13 'Summer' is related to 'Season' in the same way as 'Cotton' is related to '_____'.

- Ans** ☒ 1. Cloth
 ☒ 2. Grain
 ☒ 3. Dye
 ☒ 4. Tree

Q.14 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 follow(s) from the statements.

Statements:

All bottles are jugs.

Some bottles are flasks.

All flasks are bins.

Conclusions:

I. Some bottles are bins.

II. Some jugs are bins.

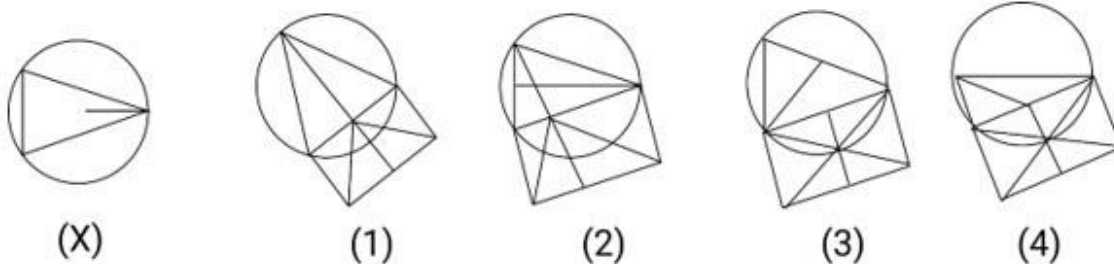
III. Some flasks are jugs.

- Ans** ☒ 1. All conclusions I, II and III follow
 ☒ 2. Either conclusion I or II follows
 ☒ 3. Only conclusions II and III follow
 ☒ 4. Only conclusions I and II follow

Q.15 In a certain code language,
 $A + B$ means 'A is the son of B',
 $A - B$ means 'A is the wife 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, if ' $P + Q \div R - T \times M$ ', which of the following is true?

- Ans** ☒ 1. M is the sister of T.
 ☒ 2. P is the brother of R.
 ☒ 3. Q is the mother of M.
 ☒ 4. T is the brother of P.

Q.16 Figure X is followed by four figures numbered (1), (2), (3), (4). Identify the figure among the four in which figure X is embedded (i.e. contains figure X in the same form).



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

Q.17 Which figure should replace the question mark (?) if the following series were to be continued?

☆	D	2	+	D	N	+	☆	
	N	2	☆	8	2	+	D	8
+		8	D	N	☆	8	N	2
?								

Ans

✗ 1.

2		N
	+	☆
8		D

✗ 2.

2		N
	☆	+
D		8

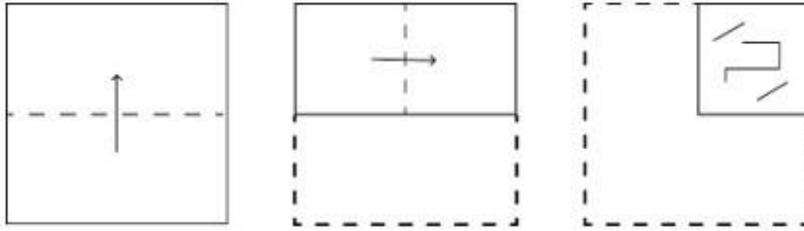
✗ 3.

D		2
	N	☆
+		8

✓ 4.

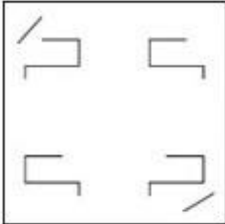
N		2
	+	☆
D		8

Q.18 A paper is folded and cut as shown below. How will it appear when unfolded?

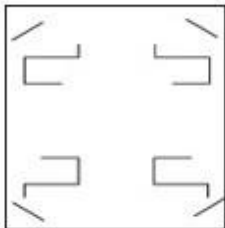


Ans

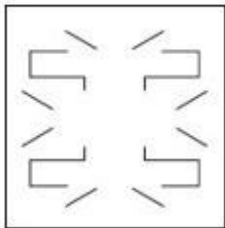
☒ 1.



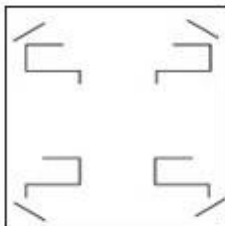
☒ 2.



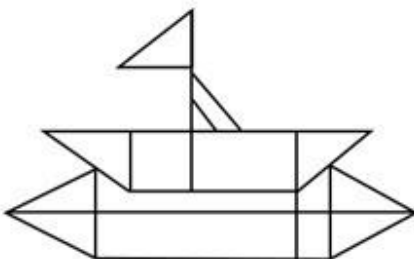
☒ 3.



☒ 4.



Q.19 How many triangles are there in the given figure?



Ans ☒ 1. 11

☒ 2. 8

☒ 3. 9

☒ 4. 10

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.
RATE : SCWI :: HIGH : IKJL :: OPEN : ?

- Ans**
- ☐ 1. PRIS
 - ☐ 2. PQHR
 - ☐ 3. PSIR
 - ☒ 4. PRHR

Q.21 Which of the following terms will replace the question mark (?) in the given series?
GASM, CCOO, YEKQ, ? , QICU

- Ans**
- ☒ 1. UGGS
 - ☐ 2. UCGS
 - ☐ 3. UGGT
 - ☐ 4. TGFS

Q.22 8 is related to 512 following a certain logic. Following the same logic, 12 is related to 1728. To which of the following is 15 related, following the same logic?

(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. 2275
 - ☐ 2. 2725
 - ☒ 3. 3375
 - ☐ 4. 3735

Q.23 Which of the following numbers will replace the question mark (?) in the given series?
17, 38, 84, ?, 376, 772

- Ans**
- ☐ 1. 190
 - ☐ 2. 200
 - ☒ 3. 180
 - ☐ 4. 150

Q.24 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Acrimony : Humanity :: Wield : ?

- Ans**
- ☐ 1. Exert
 - ☒ 2. Forgo
 - ☐ 3. Use
 - ☐ 4. Apply

Q.25 In a certain code language, 'DEMAND' is written as '410132144' and 'SUPPLY' is written as '194216161225'. How will 'PRODUCT' be written in that language?

- Ans**
- ☒ 1. 161830442320
 - ☐ 2. 323615821640
 - ☐ 3. 161542320
 - ☐ 4. 161815421320

Section : **General Awareness**

Q.1 What kind of radiation is absorbed by the ozone layer?

- Ans**
- ☐ 1. Green radiation
 - ☐ 2. Infrared radiation
 - ☐ 3. Visible radiation
 - ☒ 4. Ultraviolet radiation

Q.2 Which of the following organisations, divided into two branches, was established by Lokmanya Bal Gangadhar Tilak and Annie Besant?

- Ans**
- ☐ 1. Indian Association
 - ☐ 2. Theosophical society
 - ☐ 3. East Indian Association
 - ☒ 4. Home Rule League

Q.3 In which of the following years did India NOT host the ICC Cricket World Cup Tournament?

- Ans**
- ☐ 1. 2011
 - ☐ 2. 1996
 - ☒ 3. 1983
 - ☐ 4. 1987

Q.4 Match the following books with their respective authors.

Book	Author
a) Tajul Ma'asir	i) Yahya bin Ahmad Sirhind
b) Khazain-ul Futuh	ii) Hasan Nizami
c) Tarikh-i-Firuzshahi	iii) Ziauddin Barani
d) Tarikh-i-Mubarakshahi	iv) Amir Khusrav

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

Q.5 Which of the following options is mostly caused by overpopulation?

- Ans**
- ☒ 1. Land and other renewable resources are under pressure
 - ☐ 2. Adequate natural resource storage
 - ☐ 3. Reduction in the scarcity of water
 - ☐ 4. Increase in the area covered by forests

Q.6 Which of the following types of direct tax collection increased as of 10 February 2023 budget?

- Ans**
- ☒ 1. Personal income tax
 - ☐ 2. Octroi duties
 - ☐ 3. Corporate tax
 - ☐ 4. Commercial tax

Q.7 Palladium on barium sulphate (Pd/BaSO₄) is also known as:

- Ans**
- ☐ 1. a Hillman reaction catalyst
 - ☐ 2. a Cannizzaro reaction catalyst
 - ☒ 3. the Rosenmund catalyst
 - ☐ 4. an aldol reaction catalyst

Q.8 Ebony and Mahogany trees are found in which type of forests?

- Ans**
- ☐ 1. Mangrove forests
 - ☐ 2. Tropical deciduous forests
 - ☒ 3. Tropical evergreen forests
 - ☐ 4. Montane forests

Q.9 Which party formed the government in Britain in the year 1945?

- Ans**
- ☐ 1. Democratic Party
 - ☒ 2. Labour Party
 - ☐ 3. Socialist Party
 - ☐ 4. Liberal Party

Q.10 When was the Duty-Free Tariff Preference (DFTP) Scheme for Least Developed Countries (LDCs) announced by India?

- Ans**
- ☐ 1. 2010
 - ☐ 2. 2009
 - ☐ 3. 2006
 - ☒ 4. 2008

Q.11 Which Ghazal singer was conferred with the prestigious Deenanath Mangeshkar Award in April 2023?

- Ans**
- ☐ 1. Talat Aziz
 - ☐ 2. Ghazal Srinivas
 - ☒ 3. Pankaj Udhas
 - ☐ 4. Bhupinder Singh

Q.12 In which year was the PM Ayushman Bharat Health Infrastructure Mission launched?

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

Q.13 Which of the following categories does Gonyaulax belong to?

- Ans**
- ☐ 1. Euglenoids
 - ☐ 2. Chrysophytes
 - ☐ 3. Protozoans
 - ☒ 4. Dinoflagellates

Q.14 Valabhi, a city of ancient India was the capital of the _____ dynasty from the 5th to 8th Century CE.

- Ans**
- ☒ 1. Maitraka
 - ☐ 2. Chalukya
 - ☐ 3. Pallava
 - ☐ 4. Vakataka

Q.15 Bharatanatyam dance style is associated with which of the following states?

- Ans**
- ☐ 1. Karnataka
 - ☒ 2. Tamil Nadu
 - ☐ 3. Bihar
 - ☐ 4. Manipur

Q.16 Which type of radiation has very short ($<10^{-3}$ nm) wavelengths, produced by nuclear explosions, lightning and less dramatic activity of radioactive decay?

- Ans**
- ☒ 1. Gamma
 - ☐ 2. Infra-red
 - ☐ 3. Microwave
 - ☐ 4. Ultraviolet

Q.17 Which of the following pairs do NOT share any borders?

- Ans**
- ☐ 1. Bhutan and Arunachal Pradesh
 - ☒ 2. Bhutan and Meghalaya
 - ☐ 3. Bhutan and West Bengal
 - ☐ 4. Bhutan and Assam

Q.18 On which of the following dates does India celebrate its Constitution Day?

- Ans**
- ☐ 1. 26th January
 - ☒ 2. 26th November
 - ☐ 3. 15th August
 - ☐ 4. 2th October

Q.19 The organisation that Comptroller and Auditor General heads is known as _____.

- Ans**
- ☐ 1. Indian Civil Accounts Organisation
 - ☐ 2. Controller General of Accounts
 - ☒ 3. Indian Audit and Accounts Department
 - ☐ 4. Institute of Chartered Accountants of India

Q.20 Consider the following statements and choose the correct statement(s) from the following:

1. The UDAN scheme has completed five years since its implementation in 2017.
2. It is the flagship scheme of the Ministry of Science and Technology.
3. The Airports Authority of India is the implementing agency of this scheme.

- Ans**
- ☐ 1. Only statement 3
 - ☐ 2. Only statement 2
 - ☐ 3. Only statements 2 and 3
 - ☒ 4. Only statements 1 and 3

Q.21 Which Indian marathon event is considered the largest marathon in Asia?

- Ans**
- ☐ 1. Kaveri Trail Marathon
 - ☐ 2. Pinkathon
 - ☐ 3. Delhi Half Marathon
 - ☒ 4. Mumbai Marathon

Q.22 Shab-e-Barat is celebrated by which religious group?

- Ans**
- ☒ 1. Muslim
 - ☐ 2. Buddhist
 - ☐ 3. Jain
 - ☐ 4. Parsi

Q.23 Consider the following statements associated with the India Infrastructure Project Development Fund (IIPDF).
1. IIPDF was set up in 2017.
2. The funds for IIPDF are provided by the Central Government?
3. This scheme is notified under the Department of Economic Affairs.
Which of the above statements is/are INCORRECT?

- Ans**
- ☐ 1. Only 2 and 3
 - ☒ 2. Only 1
 - ☐ 3. Only 1 and 2
 - ☐ 4. Only 3

Q.24 Who among the following was one of the Navratnas of Akbar?

- Ans**
- ☐ 1. Purandar Das
 - ☐ 2. Swami Haridas
 - ☒ 3. Tansen
 - ☐ 4. Amir Khusro

Q.25 Who has written the book 'Fearless Governance', published in January 2021, describing her stint as Governor?

- Ans**
- ☐ 1. Draupadi Murmu
 - ☐ 2. Baby Rani Maurya
 - ☒ 3. Kiran Bedi
 - ☐ 4. Anandi ben Patel

Section : Quantitative Aptitude

Q.1 Find the smallest number to be added to 999, so that 99 divides the sum exactly.

- Ans**
- ☐ 1. 99
 - ☐ 2. 0
 - ☒ 3. 90
 - ☐ 4. 9

Q.2 If $x + \frac{1}{x} = 2\sqrt{10}$, where $x > 1$, then the value of $\left(x^3 - \frac{1}{x^3}\right)$ is:

- Ans**
- ☐ 1. 221
 - ☒ 2. 234
 - ☐ 3. 198
 - ☐ 4. 216

Q.3 In an election between two candidates P and Q, P got 78% of the total valid votes. If the total votes of the electorate were 75,60,000, then what was the number of valid votes that Q got if 10% of the voters did not cast their vote and 15% of the votes polled were declared invalid?

- Ans**
- ☐ 1. 1,41,372
 - ☐ 2. 1,41,732
 - ☒ 3. 12,72,348
 - ☐ 4. 1,47,312

Q.4 In a circle, two chords MN and PQ intersect at O. If MO = 9 cm, ON = 5 cm and OQ = 6 cm, then the value of OP (in cm) is:

- Ans**
- ☒ 1. 7.5
 - ☐ 2. 6.5
 - ☐ 3. 6
 - ☐ 4. 7

Q.5 In a $\triangle ABC$ right-angled at C, if $\tan A = \sqrt{3}$, then the value of $\sin A \cos B \cot(A+B)$ is:

- Ans**
- ☐ 1. $\sqrt{3}$
 - ☐ 2. 1
 - ☒ 3. 0
 - ☐ 4. 2

Q.6 A rectangular courtyard is 4m 95cm long and 16m 65cm broad. It is to be paved with the square tiles of the same size. Find the least number of such square tiles required to pave the rectangular courtyard.

- Ans**
- ☐ 1. 877
 - ☐ 2. 944
 - ☐ 3. 388
 - ☒ 4. 407

Q.7 The inner and outer radii of a circular track are 28 m and 25 m, respectively. The cost (in ₹) of levelling the track at ₹28 per m^2 is:

[Use $\pi = \frac{22}{7}$]

- Ans**
- ☐ 1. 15,421
 - ☒ 2. 13,992
 - ☐ 3. 11,229
 - ☐ 4. 17,355

Q.8 There are two pipes to fill a tank. Together, they can fill the tank in 15 minutes. If one pipe can fill the tank in one and a half times as fast as the other, the faster pipe alone can fill the tank in:

- Ans**
- ☐ 1. 10 minutes
 - ☒ 2. 25 minutes
 - ☐ 3. 20 minutes
 - ☐ 4. $32\frac{1}{2}$ minutes

Q.9 Find the value of $\frac{\sec 35^\circ}{\operatorname{cosec} 55^\circ} - \frac{\cos 25^\circ}{\sin 65^\circ}$.

- Ans**
- ☒ 1. 0
 - ☐ 2. 1
 - ☐ 3. $\frac{1}{2}$
 - ☐ 4. 2

Q.10 If the perimeter of an equilateral triangle is 36 units, then its area is (in square units):

- Ans**
- ☐ 1. $144\sqrt{2}$
 - ☐ 2. $36\sqrt{2}$
 - ☐ 3. $144\sqrt{3}$
 - ☒ 4. $36\sqrt{3}$

Q.11 If $a\sin^3 X + b\cos^3 X = \sin X \cos X$ and $a\sin X = b\cos X$, then find the value of $a^2 + b^2$, provided that x is neither 0° nor 90° .

- Ans**
- ☐ 1. 0
 - ☒ 2. 1
 - ☐ 3. $a^2 - b^2$
 - ☐ 4. $a^2 + b^2$

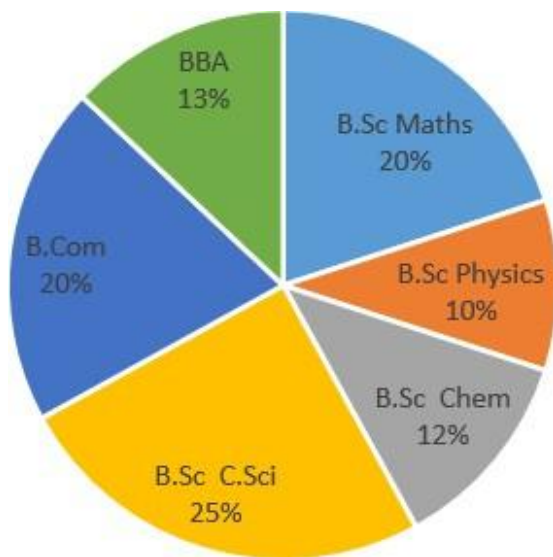
Q.12 A dishonest merchant sells his grocery using weights that are 12% less than the true weights and makes a profit of 10%. Find his total gain percentage.

- Ans**
- ☐ 1. 10%
 - ☐ 2. 20%
 - ☐ 3. 15%
 - ☒ 4. 25%

Q.13 Atul gives Vishu a head-start of 20 seconds in a 900 m race and beats him by 135 m. While running the same race again Atul gives a start of 189 m and beats him by 8 seconds. In how much time can Vishu complete the full race of 900 m?

- Ans**
- ☐ 1. 3 minutes 30 seconds
 - ☐ 2. 2 minutes 50 seconds
 - ☒ 3. 3 minutes 20 seconds
 - ☐ 4. 3 minutes 10 seconds

Q.14 The following pie chart shows the distribution of the percentage of students in various courses at the university. The total number of students (boys and girls only) in the university is 7000.



In B.Com, there are 60% girls and in B.Sc. C.Sci, there are 40% boys. The total number of girls who took admission in B.Sc C.Sci and B.Com courses is what percentage of the total students admitted to the university?

- Ans**
- ☐ 1. 25%
 - ☐ 2. 29%
 - ☐ 3. 23%
 - ☒ 4. 27%

Q.15 In a division problem, the divisor is 4 times the quotient and 2 times the remainder. If the remainder is 32, then find the dividend.

- Ans**
- ☒ 1. 1056
 - ☐ 2. 1650
 - ☐ 3. 3240
 - ☐ 4. 1065

Q.16 The interest accrued on a sum of ₹16,000 lent at a simple interest rate of 14% p.a. for the time in those many years, which gives a simple interest of three-fifths of a certain sum at 10% p.a., is:

- Ans**
- ☒ 1. ₹13,440
 - ☐ 2. ₹12,970
 - ☐ 3. ₹15,360
 - ☐ 4. ₹14,280

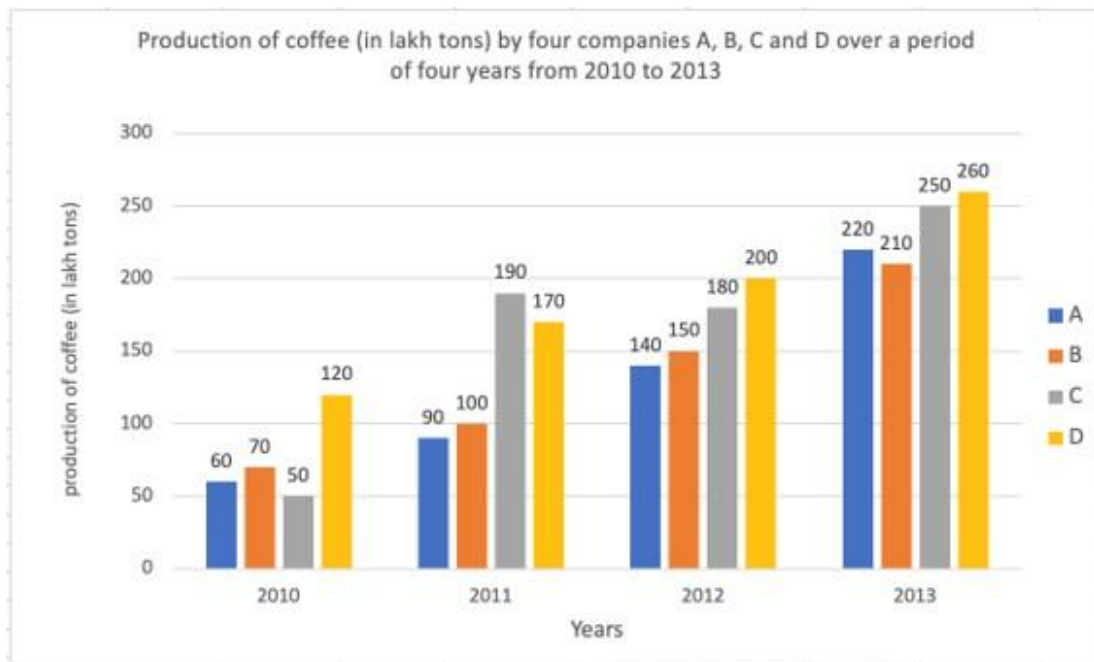
Q.17 A group of 30 students appeared in a test. The average score of 12 students is 62, and that of the rest is 62. What is the average score of the group?

- Ans**
- ☒ 1. 62
 - ☐ 2. 63
 - ☐ 3. 60
 - ☐ 4. 61

Q.18 In a rhombus ABCD, O is any interior point such that $OA = OC$. What is five-ninths of the degree measure of $\angle DOB$?

- Ans**
- ☐ 1. 120°
 - ☐ 2. 150°
 - ☒ 3. 100°
 - ☐ 4. 90°

Q.19 The bar graph below shows the production of coffee (in lakh tons) by four companies A, B, C and D over a period of four years from 2010 to 2013. Study the graph and answer the question that follows.



The combined average production for four years of companies A and C is what percentage (rounded off to 2 decimal places) more/less than the combined average production for four years of companies B and D?

- Ans**
- ☒ 1. Less, 7.81%
 - ☐ 2. More, 10.51%
 - ☐ 3. More, 7.81%
 - ☐ 4. Less, 10.51%

Q.20 Solve the given set of three equations to get the value of the unknowns:

$$\begin{aligned}x + 2z &= 3 \\x + 2y + 3z &= 5 \\3x - 5z &= -13\end{aligned}$$

- Ans**
- ☐ 1. $x = 0, y = -1, z = 2$
 - ☒ 2. $x = -1, y = 0, z = 2$
 - ☐ 3. $x = -1, y = 2, z = 0$
 - ☐ 4. $x = 2, y = 0, z = -1$

Q.21 Mrudula starts her job with a certain monthly salary and earns a fixed increment every year. If her salary was ₹28,400 after six years of service and ₹52,997 after fifteen years, find her annual increment.

- Ans**
- ☐ 1. ₹12,002
 - ☐ 2. ₹1,200
 - ☒ 3. ₹2,733
 - ☐ 4. ₹1,824

Q.22 A sum of money is divided among P, Q, R and S in the proportion of 4 : 9 : 2 : 3. If Q gets ₹560 more than R, then the share of S is:

- Ans**
- ☐ 1. ₹140
 - ☐ 2. ₹340
 - ☒ 3. ₹240
 - ☐ 4. ₹440

Q.23 The below table gives the marks out of 100 obtained by five students in four different subjects in an examination. Study the table and answer the question that follows.

Student/subject	Mathematics	Physics	Biology	English
Suresh	70	80	65	60
Ramesh	85	70	70	55
Ankith	90	80	60	65
Ranjith	95	70	65	60
Aryan	75	65	65	70

What are the average marks obtained by all five students in Mathematics?

- Ans**
- ☒ 1. 83
 - ☐ 2. 80
 - ☐ 3. 85
 - ☐ 4. 84

Q.24 Study the given table and answer the question that follows.

The given table shows the number of candidates who appeared (both male and female) in a Public Examination and the percentage of those who qualified in the examination from two states X and Z. Few values are missing in the table (indicated by -----). You will be required to fill them up according to the question.

Year	State X		State Z	
	Number of appeared candidates	Percentage of qualified candidates	Number of appeared candidates	Percentage of qualified candidates
2008	480	70%	-----	70%
2009	560	75%	500	80%
2010	-----	60%	650	50%
2011	450	89%	720	72%
2012	790	-----	660	-----

Out of the number of qualified candidates from State X in 2010, the ratio of male to female candidates is 5 : 7. If the number of female qualified candidates from State X in 2010 is 168, what is the number of appeared candidates (both male and female) from State X in 2010?

- Ans**
- ☒ 1. 360
 - ☒ 2. 480
 - ☒ 3. 640
 - ☒ 4. 540

Q.25 A shopkeeper, on the eve of Diwali, allowed a series of discounts on television sets. Find the selling price of a television set, if the marked price of television is ₹1,200 and successive discounts are 15% and 10%.

- Ans**
- ☒ 1. ₹945
 - ☒ 2. ₹918
 - ☒ 3. ₹975
 - ☒ 4. ₹965

Q.1 Select the option that can be used as a one-word substitute for the underlined group of words in the following sentence.
Despite recent superficial moves toward political reconciliation, Libya remains in the grip of a bloodstained corrupt military exclusive circle of people with a common purpose.

- Ans**
- ☒ 1. oblique
 - ☒ 2. pique
 - ☒ 3. clique
 - ☒ 4. antique

Q.2 Select the option that can be used as a one-word substitute for the given group of words.

An instrument for viewing distant objects in space.

- Ans**
- ☒ 1. Microscope
 - ☒ 2. Spectrograph
 - ☒ 3. Telescope
 - ☒ 4. Binoculars

Q.3 The following sentence contains a word with a spelling error. Rectify the sentence by selecting the correct spelling of the identified word from the given options.

I was upstairs when somebody rang the doorbell.

- Ans**
- ☒ 1. Upstares
 - ☒ 2. Upstaire
 - ☒ 3. upsatires
 - ☒ 4. Upstairs

Q.4 Select the most appropriate synonym of the given word.
Adversity

- Ans**
- ☒ 1. Success
 - ☒ 2. Misfortune
 - ☒ 3. Pleasure
 - ☒ 4. Advantage

Q.5 Select the most appropriate ANTONYM of the following word.

Forbid

- Ans**
- ☒ 1. Prohibit
 - ☒ 2. Allow
 - ☒ 3. Call
 - ☒ 4. Forsake

Q.6 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.
(A) while the employees
(B) meeting on time
(C) the boss arrived at the
(D) despite the heavy traffic
(E) were late

- Ans**
- ☒ 1. DCBAE
 - ☒ 2. DACEB
 - ☒ 3. BACED
 - ☒ 4. ACEDB

Q.7 Select the most appropriate option to substitute the underlined segment in the given sentence.
Charles Darwin is renowned for his book on evolution, 'On the Origin of Species', which laid down a treasure of substantiation that evolution occurs, and projected a mechanism, that is, natural selection, for how it does so.

- Ans**
- ☒ 1. laid into a treasure of substantiation
 - ☒ 2. laid about a treasure of substantiation
 - ☒ 3. laid away a treasure of substantiation
 - ☒ 4. laid out a treasure of substantiation

Q.8 Parts of the following sentence have been given as options. Select the option that contains an error.
It is he who work for the company for more than a decade.

- Ans**
- ☒ 1. for more than a decade
 - ☒ 2. who work
 - ☒ 3. for the company
 - ☒ 4. It is he

Q.9 Select the option that correctly expresses the given sentence in passive voice.
The teachers of our school have already taken this training.

- Ans**
- ☒ 1. This training has already been taken by the teachers of our school.
 - ☒ 2. This training has been taken by the teachers of our school.
 - ☒ 3. This training has already been taken by the our school teachers.
 - ☒ 4. This training was already taken by the teachers of our school.

Q.10 Select the most appropriate **ANTONYM** of the underlined word.

He was very cruel in dealing with the students.

- Ans**
- ☒ 1. Skittish
 - ☒ 2. Kind
 - ☒ 3. Malevolent
 - ☒ 4. Kingly

Q.11 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.
(A) he had to take the bus
(B) his friend, who used to give
(C) to his office because he had
(D) him a lift, was on vacation
(E) never learned to drive and

- Ans**
- ☒ 1. DACEB
 - ☒ 2. ACEBD
 - ☒ 3. EBADC
 - ☒ 4. BADEC

Q.12 Select the option that expresses the following sentence in passive voice.
Ravi will play the match.

- Ans**
- ☒ 1. The match is played by Ravi.
 - ☒ 2. The match will have been played by Ravi.
 - ☒ 3. The match will be playing by Ravi.
 - ☒ 4. The match will be played by Ravi.

Q.13 Select the most appropriate option that can substitute the underlined word in the given sentence.
Our legal system must frame proper legal rules for juvenile criminals.

- Ans**
- ☐ 1. senile
 - ☐ 2. dotage
 - ☐ 3. old
 - ☒ 4. young

Q.14 Substitute the underlined word-segment with most appropriate idiom.

The doctors tried very hard to save his mother but they were unsuccessful.

- Ans**
- ☐ 1. faced the music
 - ☐ 2. drew the line
 - ☒ 3. moved heaven and earth
 - ☐ 4. ran like clockwork

Q.15 Select the most appropriate meaning of the given idiom.

Hit the nail on the head

- Ans**
- ☐ 1. They are experiencing a headache.
 - ☒ 2. They have accurately identified or explained something.
 - ☐ 3. They're uncertain about a decision.
 - ☐ 4. They hit a nail with a hammer.

Q.16 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The windows / violent banged / during the / storm yesterday.

- Ans**
- ☐ 1. during the
 - ☐ 2. The windows
 - ☐ 3. storm yesterday.
 - ☒ 4. violent banged

Q.17 Identify the **INCORRECTLY** spelt word in the following sentence and select its correct spelling from the given options.
His acquaintance with the author led to many fruitful collaborations.

- Ans**
- ☐ 1. acuiantance
 - ☒ 2. acquaintance
 - ☐ 3. acquaintence
 - ☐ 4. acquaintance

Q.18 Identify the correct synonym of the word given below.
FATIGUE

- Ans**
- ☐ 1. Mission
 - ☒ 2. Tiredness
 - ☐ 3. Vigour
 - ☐ 4. Obese

Q.19 Select the most appropriate synonym of the underlined word.
She was overstrung before her dance performance.

- Ans**
- ☐ 1. Cheerful
 - ☐ 2. Calm
 - ☐ 3. Placid
 - ☒ 4. Nervous

Q.20 Select the option that can be used as a one-word substitute for the given group of words.
Awkward in movement or manner

- Ans**
- ☐ 1. Alert
 - ☐ 2. Imbalanced
 - ☒ 3. Clumsy
 - ☐ 4. Clownish

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.

Azadi Ka Amrit Mahotsav is an (1) _____ by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) _____ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) _____ the power and potential to realise Prime Minister, Narendra Modi's (4) _____ of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) _____ to our 75th anniversary of independence and will finish a year later on 15 August 2023.

SubQuestion No : 21

Q.21 Select the most appropriate answer for blank number 1. %

- Ans**
- ☐ 1. associate
 - ☒ 2. initiative
 - ☐ 3. obligation
 - ☐ 4. occult

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.

Azadi Ka Amrit Mahotsav is an (1) _____ by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) _____ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) _____ the power and potential to realise Prime Minister, Narendra Modi's (4) _____ of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) _____ to our 75th anniversary of independence and will finish a year later on 15 August 2023.

SubQuestion No : 22

Q.22 Select the most appropriate answer for blank number 2. %

- Ans**
- ☒ 1. dedicated
 - ☐ 2. alienated
 - ☐ 3. refused
 - ☐ 4. withhold

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.

Azadi Ka Amrit Mahotsav is an (1) _____ by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) _____ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) _____ the power and potential to realise Prime Minister, Narendra Modi's (4) _____ of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) _____ to our 75th anniversary of independence and will finish a year later on 15 August 2023.

SubQuestion No : 23

Q.23 Select the most appropriate answer for blank number 3. %

- Ans**
- ☐ 1. clarifies
 - ☒ 2. possess
 - ☐ 3. concludes
 - ☐ 4. obtains

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.

Azadi Ka Amrit Mahotsav is an (1) _____ by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) _____ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) _____ the power and potential to realise Prime Minister, Narendra Modi's (4) _____ of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) _____ to our 75th anniversary of independence and will finish a year later on 15 August 2023.

SubQuestion No : 24

Q.24 Select the most appropriate answer for blank number 4. %

- Ans**
-  1. graphics
 -  2. vision
 -  3. design
 -  4. control

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.

Azadi Ka Amrit Mahotsav is an (1) _____ by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) _____ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) _____ the power and potential to realise Prime Minister, Narendra Modi's (4) _____ of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) _____ to our 75th anniversary of independence and will finish a year later on 15 August 2023.

SubQuestion No : 25

Q.25 Select the most appropriate answer for blank number 5. %

- Ans**
-  1. allocation
 -  2. countdown
 -  3. custom
 -  4. breakdown