

## Combined Graduate Level Examination 2024 Tier I

Exam Date	25/09/2024
Exam Time	12:30 PM - 1:30 PM
Subject	Combined Graduate Level Examination Tier I

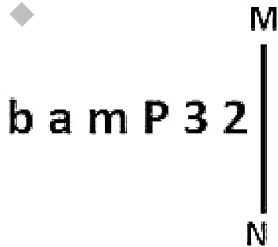
### Section : General Intelligence and Reasoning

**Q.1** 18 is related to 90 following a certain logic. Following the same logic, 31 is related to 155. To which of the following is 52 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)

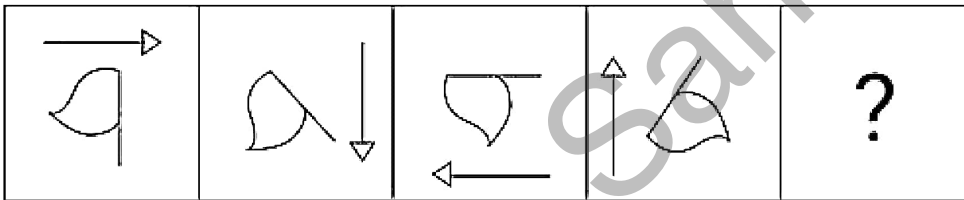
- Ans**
- ☐ 1. 256
  - ☐ 2. 248
  - ☐ 3. 265
  - ☒ 4. 260

**Q.2** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



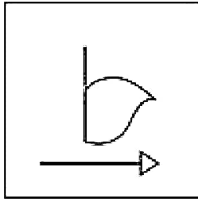
- Ans**
- ☐ 1. 2 3 P m a b
  - ☐ 2. 2 3 P m e d
  - ☐ 3. 2 P 3 m e d
  - ☒ 4. 2 3 P m e d

Q.3 Select the figure from among the given options that can replace the question mark (?) and logically complete the series.

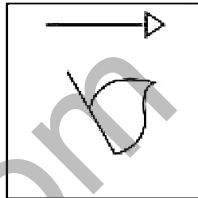


Ans

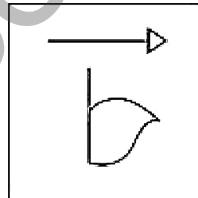
X 1.



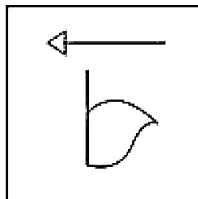
X 2.



✓ 3.



X 4.



Q.4 Which two numbers (not digits) should be interchanged to make the given equation correct?  
 $15 + 5 \times 8 - 72 \div 4 + 16 \times 3 = 101$

Ans

X 1. 5 and 4

X 2. 15 and 16

✓ 3. 5 and 3

X 4. 8 and 4

Q.5 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.  
 EYES : FTFZ :: MIND : OENJ :: REST : ?

Ans

X 1. STSF

X 2. TUFF

✓ 3. TUSF

X 4. STRE

Q.6 In a certain code language, 'CLERK' is written as 'BKEQJ' and 'OFFICE' is written as 'OEEIBE'. How will 'POST' be written in that language?

Ans

X 1. OROS

✓ 2. OORS

X 3. RSOO

X 4. OSOR

Q.7 'Obstinate' is related to 'Stubborn' in the same way as 'Resolute' is related to '\_\_\_\_\_'.  
(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. Determined
  - ☐ 2. Wavering
  - ☐ 3. Thoughtful
  - ☐ 4. Dithering

Q.8 Three of the following four options are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(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.  $68 - 54 - 94$
  - ☐ 2.  $36 - 88 - 80$
  - ☐ 3.  $23 - 56 - 51$
  - ☐ 4.  $34 - 56 - 62$

Q.9 17 is related to 102 following a certain logic. Following the same logic, 29 is related to 174. To which of the following is 39 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. 238
  - ☒ 2. 234
  - ☐ 3. 228
  - ☐ 4. 230

Q.10 The position of how many letters will remain unchanged if all the letters in the word RICKET are arranged in English alphabetical order?

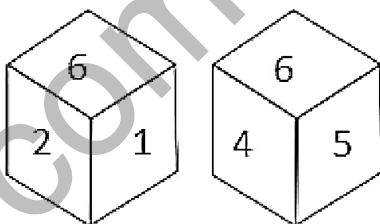
- Ans
- ☐ 1. Three
  - ☒ 2. Two
  - ☐ 3. One
  - ☐ 4. None

Q.11 Select the correct combination of letters that when sequentially filled in the blanks of the given series will make the series logically complete.

B\_FH\_LNP\_T\_X

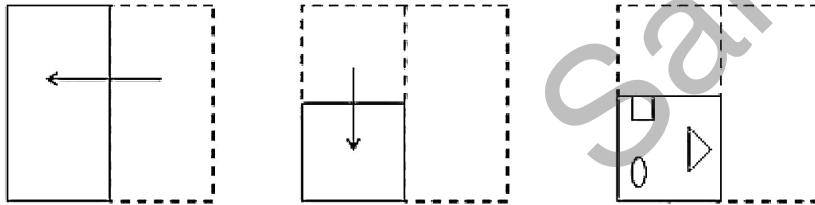
- Ans
- ☐ 1. DIQU
  - ☒ 2. DJRV
  - ☐ 3. CKSU
  - ☐ 4. CIQW

Q.12 Two different positions of the same dice are given below. Which is the number on the face opposite the face containing 5?

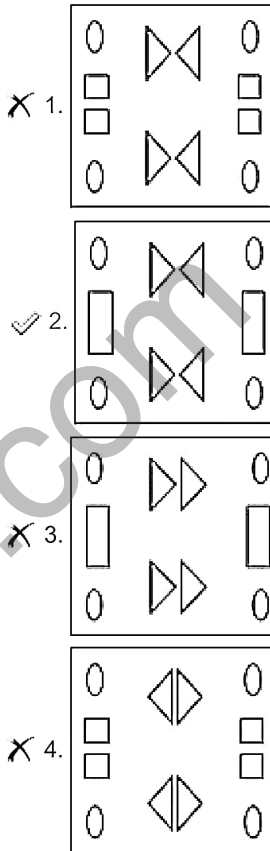


- Ans
- ☒ 1. 1
  - ☐ 2. 6
  - ☐ 3. 2

Q.13 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Q.14 Select the number from among the given options that can replace the question mark (?) in the following series.  
66, 75, 86, 99, 114, ?

- Ans
- ✗ 1. 140
  - ✗ 2. 135
  - ✗ 3. 139
  - ✓ 4. 131

Q.15 Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

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

8 – 33 – 66 – 81; 11 – 36 – 72 – 87

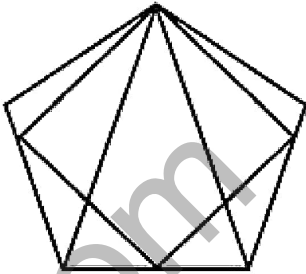
- Ans
- ✗ 1. 21 – 46 – 82 – 107
  - ✓ 2. 15 – 40 – 80 – 95
  - ✗ 3. 18 – 43 – 86 – 100
  - ✗ 4. 6 – 31 – 62 – 97

**Q.16** Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group?

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

- Ans**
- ☐ 1. QST
  - ☐ 2. ACD
  - ☒ 3. TWW
  - ☐ 4. IKL

**Q.17** How many triangles are there in the given figure?



- Ans**
- ☐ 1. 10
  - ☐ 2. 11
  - ☐ 3. 12
  - ☒ 4. 13

**Q.18** 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 from the statements.

**Statements:**

All papers are pencils.  
All pencils are erasers.  
All erasers are pens.

**Conclusions:**

I. All pens are papers.  
II. Some papers are erasers.  
III. Some pens are pencils.

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

**Q.19** Which two signs should be interchanged to make the following equation correct?

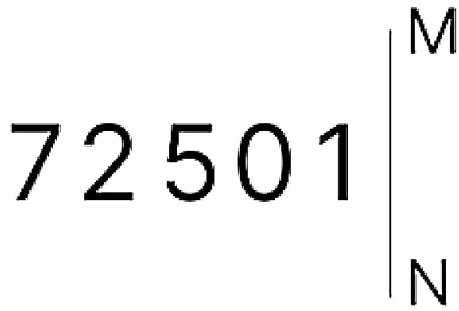
$$139 + 40 \div 5 - 168 \times 3 = 283$$

- Ans**
- ☐ 1. - and +
  - ☐ 2. - and  $\times$
  - ☒ 3.  $\div$  and  $\times$
  - ☐ 4. + and  $\div$

**Q.20** 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, how is T related to P if 'P - M + R  $\div$  T  $\times$  S'?

- Ans**
- ☐ 1. Brother's wife
  - ☐ 2. Brother
  - ☒ 3. Husband's brother
  - ☐ 4. Sister

Q.21 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



Ans

☐ 1. 10227

☒ 2. 10257

☐ 3. 10527

☐ 4. 10527

Q.22 All the alphabets in the word 'CARDBOARD' are arranged in the alphabetical order. How many alphabets are there in the English alphabetical series between the alphabet which is fourth from the left end and the one which is second from the right end in the newly formed cluster of nine letters?

Ans

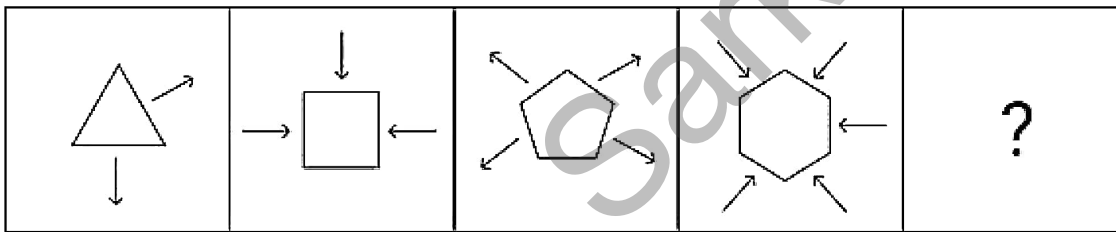
☐ 1. 12

☐ 2. 16

☒ 3. 14

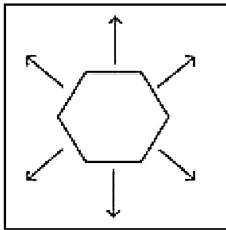
☐ 4. 10

Q.23 Identify the figure from among the given options which when put in place of the question mark (?) will logically complete the series.

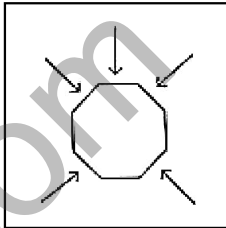


Ans

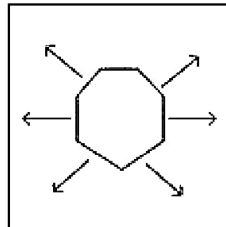
X 1.



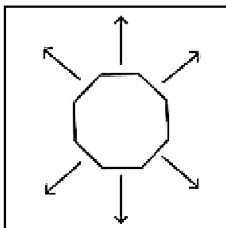
X 2.



✓ 3.



X 4.



Q.24 In the following series, only one letter-cluster is incorrect. Select the incorrect letter-cluster.  
ZXU SQN LKI ECZ XVS

Ans

X 1. XVS

X 2. ECZ

✓ 3. LKI

X 4. SQN

Q.25 In a certain code language, 'DRAPE' is coded as '65432' and 'TAPED' is coded as '24596'. What is the code for 'R' in that language?

Ans

X 1. 2

X 2. 6

✓ 3. 3

X 4. 9

#### Section : General Awareness

Q.1 Jaipal Singh Munda is associated with which of the following sports?

Ans

X 1. Badminton

X 2. Cricket

X 3. Kabaddi

✓ 4. Hockey

**Q.2 Who has written the book Sangeet Bal Prakash?**

- Ans**
- ☐ 1. Pandit Narayan Rao
  - ☒ 2. Vishnu Digambar Paluskar
  - ☐ 3. Vishnu Narayan Bhatkhande
  - ☐ 4. Bhimsen Joshi

**Q.3 Which of the following rivers originates from the Himalayas?**

- Ans**
- ☐ 1. Godavari
  - ☐ 2. Tapi
  - ☐ 3. Narmada
  - ☒ 4. Ganga

**Q.4 Who is the author of the book 'From Plassey to Partition and After : A History of Modern India'?**

- Ans**
- ☐ 1. Romila Thapar
  - ☐ 2. David Hardiman
  - ☒ 3. Sekhar Bandyopadhyay
  - ☐ 4. Sumit Sarkar

**Q.5 If a 12-year-old is found to be working in a factory manufacturing carpets, which of the following Articles of the Constitution of India will be violated?**

- Ans**
- ☒ 1. Article 24
  - ☐ 2. Article 25
  - ☐ 3. Article 23
  - ☐ 4. Article 26

**Q.6 Bihu festival is the main festival of which state?**

- Ans**
- ☐ 1. Kerala
  - ☐ 2. Punjab
  - ☐ 3. Rajasthan
  - ☒ 4. Assam

**Q.7 Which of the following playback singers is the recipient of the Karnataka Ratna Award 2005?**

- Ans**
- ☐ 1. Sista Janaki
  - ☐ 2. Ravindra Jain
  - ☐ 3. Pandit Jasraj
  - ☒ 4. Bhimsen Joshi

**Q.8 As per article 158, the Governor shall NOT be a member of either House of Parliament or of a House of the Legislature of any State specified in \_\_\_\_\_ Schedule.**

- Ans**
- ☐ 1. Seventh
  - ☐ 2. Fifth
  - ☒ 3. First
  - ☐ 4. Third

**Q.9 What is the name of the inflammatory condition that causes cracks, crusting and scaling at the corners of the mouth due to vitamin B2 deficiency?**

- Ans**
- ☒ 1. Cheilosis
  - ☐ 2. Psoriasis
  - ☐ 3. Urticaria
  - ☐ 4. Atopic dermatitis



**Q.10** According to the Tea Board of India's report (2021-22), which group of states in India is the largest tea producer?

- Ans**
- ☐ 1. Andhra Pradesh and Kerala
  - ☐ 2. Himachal Pradesh and Uttarakhand
  - ☒ 3. West Bengal and Assam
  - ☐ 4. Tamil Nadu and Kerala

**Q.11** Which of the following Delhi sultans introduced two coins, namely silver tanka and copper jital?

- Ans**
- ☐ 1. Qutbuddin Aibak
  - ☐ 2. Bahlul Lodi
  - ☐ 3. Ghiyasuddin Balban
  - ☒ 4. Iltutmish

**Q.12** Who founded the Theosophical Society in New York in 1875?

- Ans**
- ☐ 1. Naoroji Furdunji and Satyendra Nath Bose
  - ☐ 2. Baba Dayal Das and Madan Lal
  - ☐ 3. Ramabai Ranade and GK Devadhar
  - ☒ 4. Madame HP Blavatsky and Colonel Olcott

**Q.13** During the period of 1947 to 1990, how many five-year plans were completed?

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

**Q.14** Name the straight chain alkane having chemical formula  $C_9H_{20}$ , which is used as a research chemical and in making biodegradable detergents.

- Ans**
- ☒ 1. Nonane
  - ☐ 2. Dodecane
  - ☐ 3. Nonadecane
  - ☐ 4. Icosane

**Q.15** When you take Lead nitrate powder in a boiling tube and heat it, you will observe the emission of brown fumes that are of \_\_\_\_\_.

- Ans**
- ☐ 1. Nitrous oxide
  - ☐ 2. Nitric oxide
  - ☒ 3. Nitrogen dioxide
  - ☐ 4. Dinitrogen trioxide

**Q.16** Who among the following sent Megasthenes to the court of Chandragupta Maurya?

- Ans**
- ☐ 1. Antiochus I Soter
  - ☐ 2. Alexander III
  - ☒ 3. Seleucus I Nicator
  - ☐ 4. Antiochus III

**Q.17** Which of the following states is one of those states that have no Panchayati Raj Institution at all?

- Ans**
- ☐ 1. Assam
  - ☐ 2. Gujarat
  - ☒ 3. Nagaland
  - ☐ 4. Punjab

**Q.18** In Pradhan Mantri Gramin Awaas Yojana, the cost of unit assistance is shared between Central and State Governments in the ratio \_\_\_\_\_ for the North-Eastern and the Himalayan states.

- Ans**
- ☒ 1. 90 : 10
  - ☐ 2. 60 : 40
  - ☐ 3. 45 : 55
  - ☐ 4. 50 : 50

**Q.19** Which of the following is an example of capital receipts?

- Ans**
- ☒ 1. Revenue from the sale of government assets
  - ☐ 2. Taxes on income
  - ☐ 3. Interest on government bonds
  - ☐ 4. Grants-in-aid from other governments

**Q.20** 'Drain of Wealth', a critique of the colonial exploitation, was given by which of the following nationalist leaders?

- Ans**
- ☒ 1. Dadabhai Naoroji
  - ☐ 2. Rajendra Prasad
  - ☐ 3. Chakravarti Rajagopalachari
  - ☐ 4. Sardar Vallabhbhai Patel

**Q.21** Which of the following is NOT a member of the Aves (birds) class?

- Ans**
- ☐ 1. Psittacula
  - ☐ 2. Neophron
  - ☒ 3. Pteropus
  - ☐ 4. Struthio

**Q.22** In January 2023, Koneru Humpy won India's first-ever silver medal at the \_\_\_\_\_ held in Almaty, Kazakhstan.

- Ans**
- ☐ 1. FIDE World Chess Championship
  - ☒ 2. World Blitz Chess Championship
  - ☐ 3. World Correspondence Chess Championship
  - ☐ 4. World Rapid Chess Championship

**Q.23** In which month is the Inter Tropical Convergence Zone (ITCZ) located around 20°N-25°N latitude (over the Gangetic plain)?

- Ans**
- ☐ 1. May
  - ☐ 2. August
  - ☐ 3. June
  - ☒ 4. July

**Q.24** Mirabai Chanu secured a silver medal at which Commonwealth Games?

- Ans**
- ☐ 1. 2010
  - ☒ 2. 2014
  - ☐ 3. 2022
  - ☐ 4. 2018

**Q.25** The New Moore Island is in geographic proximity to:

- Ans**
- ☐ 1. Pakistan
  - ☐ 2. Myanmar
  - ☒ 3. Bangladesh
  - ☐ 4. Sri Lanka

- Q.1 Study the given table and answer the question that follows.  
The given table shows the number of students enrolled in different academic faculties of an institution during 2016 – 2019.

Year	Science	Commerce	Humanities
2016	550	457	699
2017	584	554	574
2018	625	332	743
2019	676	444	1223

From 2016 to 2019, what is the difference between the total number of students enrolled in science and that of students enrolled in humanities?

- Ans
- ☐ 1. 870
  - ☒ 2. 804
  - ☐ 3. 912
  - ☐ 4. 930

- Q.2 Study the given table answer the question that follows.  
The following table shows the income of a person (in thousand rupees) per annum over the given years.

Year	School Salary	Coaching	Home tuition
2018	132	42	12
2019	148	55	18
2020	166	68	24
2021	178	74	28
2022	196	88	35

What is the average income from school as a salary per year earned by the person over the given years?

- Ans
- ☒ 1. ₹1,64,000
  - ☐ 2. ₹1,74,000
  - ☐ 3. ₹1,58,000
  - ☐ 4. ₹1,48,000

- Q.3 Simplify:  
 $[25 - 48 \div 6 + 12 \times 2] + 78 - [5 + 3 \text{ of } (25 - 2 \times 10)]$

- Ans
- ☐ 1. 98
  - ☐ 2. 90
  - ☒ 3. 99
  - ☐ 4. 89

Q.4 Consider the following table for total exports of goods of 5 companies over 5 years (in lakhs).

Companies	R	S	T	U	V
Year					
2012	60	40	15	45	25
2013	30	60	70	15	90
2014	51	25	55	100	110
2015	45	51	20	70	65
2016	24	35	60	55	125

If the ratio of exports to the imports of companies S and U in the year 2015 is 3 : 2 and 1 : 2, respectively, then, the total imports (in ₹ lakhs) of companies S and U together in the year 2015 is:

- Ans
- ☐ 1. 121
  - ☒ 2. 174
  - ☐ 3. 187
  - ☐ 4. 157

Q.5 The ratio of expenditure to savings of a woman is 4 : 1. If her income and expenditure are increased by 20% and 10%, respectively, then find the percentage change in her savings.

- Ans
- ☐ 1. 40%
  - ☐ 2. 50%
  - ☒ 3. 60%
  - ☐ 4. 30%

Q.6 A man loses 28% by selling an article for ₹144. If he sells it for ₹288, what will be his gain/loss percentage?

- Ans
- ☐ 1. Gain, 41%
  - ☐ 2. Loss, 43%
  - ☒ 3. Gain, 44%
  - ☐ 4. Loss, 46%

Q.7 A cylindrical tank of radius 14 cm is full of water. If 616 litres of water are drawn out, then the water level in the tank is dropped by \_\_\_\_\_ m. (Take  $\pi = \frac{22}{7}$ )

- Ans
- ☐ 1. 1000
  - ☐ 2. 100
  - ☐ 3. 1
  - ☒ 4. 10

**Q.8** Find the diameter (in cm) of a circle whose circumference is equal to the sum of the circumferences of two circles of radii 12 cm and 16 cm.

- Ans**
- ☒ 1. 32
  - ☒ 2. 56
  - ☒ 3. 64
  - ☒ 4. 28

**Q.9** In a quadrilateral ABCD,  $AB = BC$ ,  $AD = DC$ .  $\angle ABD = 68^\circ$ ,  $\angle ADB = (2y-7)^\circ$ ,  $\angle BDC = 33^\circ$ ,  $\angle DBC = (3x+2)^\circ$ . Then the value of  $2x+3y$  is:

- Ans**
- ☒ 1. 108
  - ☒ 2. 144
  - ☒ 3. 104
  - ☒ 4. 118

**Q.10** If  $\cot^2 \theta - 2 \cos^2 \theta = 0$ ,  $(0^\circ < \theta < 90^\circ)$ , then the value of  $\theta$  is:

- Ans**
- ☒ 1.  $45^\circ$
  - ☒ 2.  $60^\circ$
  - ☒ 3.  $90^\circ$
  - ☒ 4.  $30^\circ$

**Q.11** The relation between  $K_1$  and  $K_2$  for which the system of linear equations  $K_1x + 3y = 8$  and  $4x + K_2y = 16$  represents coincident lines, is:

- Ans**
- ☒ 1.  $K_2 = 3K_1$
  - ☒ 2.  $K_2 + 3K_1 = 0$
  - ☒ 3.  $K_2 = K_1$
  - ☒ 4.  $K_1 + K_2 = 0$

**Q.12** Two pipes X and Y can fill a tank in 14 hours and 21 hours, respectively. Both pipes are opened simultaneously to fill the tank. In how many hours will the empty tank be filled?

- Ans**
- ☒ 1.  $8\frac{2}{5}$  hours
  - ☒ 2.  $6\frac{2}{5}$  hours
  - ☒ 3.  $7\frac{2}{5}$  hours
  - ☒ 4.  $5\frac{2}{5}$  hours

**Q.13** The two circles intersect at two points P and Q. PR and PS are diameters of the two circles. What is  $\angle PQR$  ?

- Ans**
- ☒ 1.  $90^\circ$
  - ☒ 2.  $0^\circ$
  - ☒ 3.  $45^\circ$
  - ☒ 4.  $60^\circ$

**Q.14** Naman borrows a sum of ₹3,48,020 at the rate of 8% per annum simple interest. At the end of the first year, he repays ₹15,090 towards return of principal amount borrowed. If Naman clears all pending dues at the end of the second year, including interest payment that accrued during the first year, how much does he pay (in ₹) at the end of the second year?

- Ans**
- ☒ 1. 3,79,386
  - ☒ 2. 3,87,406
  - ☒ 3. 3,88,931
  - ☒ 4. 3,92,733

Q.15 If  $x = p \sec A \cos B$ ,  $y = q \sec A \sin B$  and  $z = r \tan A$ , what is the value of the following expression?  $\frac{x^2}{p^2} + \frac{y^2}{q^2} - \frac{z^2}{r^2}$

Ans ☒ 1. 1

☐ 2.  $p^2 + q^2 - r^2$

☐ 3.  $p^2 - q^2 + r^2$

☐ 4. 0

Q.16 The value of  $(x + y)^2 + (x - y)^2$  is equal to:

Ans ☐ 1.  $2(x + y)^2$

☒ 2.  $2(x^2 + y^2)$

☐ 3.  $(2x + 2y)^2$

☐ 4.  $4xy$

Q.17 A policeman noticed a thief at some distance. The policeman started running to catch the thief and the thief also started running at the same time. The speed of both policeman and the thief was 12 km per hour and 10 km per hour, respectively. It took 30 minutes for the policeman to catch the thief. Find the initial distance (in metres) between them.

Ans ☐ 1. 500

☐ 2. 600

☒ 3. 1000

☐ 4. 100

Q.18 A circular arc whose radius is 14 cm, makes an angle of  $45^\circ$  at the centre. Find the perimeter (in cm) of the sector. (Use  $\pi = \frac{22}{7}$ )

Ans ☐ 1. 38

☐ 2. 28

☒ 3. 39

☐ 4. 34

Q.19

The given table shows the number of clerical and officer cadre employees recruited by four different banks A, B, C and D from 2011 to 2014.

Year	A		B		C		D	
	Officer	Clerk	Officer	Clerk	Officer	Clerk	Officer	Clerk
2011	260	458	255	460	205	428	265	470
2012	310	569	286	584	230	539	246	554
2013	350	730	321	725	340	740	361	725
2014	400	890	452	845	380	850	482	860

Compute the ratio of the number of officer cadre employees of bank A to the number of officer cadre employees of bank C.

Ans

☐ 1. 6 : 5☐ 2. 7 : 8☐ 3. 5 : 6☒ 4. 8 : 7Q.20 If  $m$  is even, then  $(8^m - 1)$  is divisible by:

Ans

☒ 1. 63☐ 2. 42☐ 3. 65☐ 4. 8Q.21 Find the value of 'k' for which the system of equations  $4x+6y=7$  and  $6x+(k+4)y-21=0$  has a unique solution.

Ans

☐ 1.  $k = 5$ ☒ 2.  $k \neq 5$ ☐ 3.  $k = 7$ ☐ 4.  $k \neq 7$ 

Q.22 During a new-year sale, a shopkeeper offers a discount scheme to his customers, 'Buy 5 Sweaters, Get 2 Sweaters Free'. Find the effective percentage discount given by the shopkeeper.

Ans

☒ 1.  $28\frac{4}{7}\%$ ☐ 2. 25%☐ 3.  $22\frac{2}{9}\%$ ☐ 4. 30%Q.23 In the 8<sup>th</sup> class, consisting of 30 students, a Mathematics test was taken. 10 students had an average score of 90. The other students had an average score of 75. What is the average score of the whole class?

Ans

☐ 1. 78☒ 2. 80☐ 3. 76☐ 4. 74

**Q.24** Find the value of  $\tan 72^\circ - \tan 27^\circ - \tan 72^\circ \tan 27^\circ$ .

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

**Q.25** If  $A:B = 6 : 8$  and  $B:C = 5 : 11$ , then  $A:B:C$  is:

- Ans**
- ☐ 1. 11:23:14
  - ☐ 2. 14:31:25
  - ☐ 3. 15:32:44
  - ☒ 4. 15:20:44

**Section : English Comprehension**

**Q.1** Select the option that can be used as a one-word substitute for the given group of words.

**One who eats human flesh.**

- Ans**
- ☐ 1. Scavengers
  - ☐ 2. Herbivores
  - ☒ 3. Cannibal
  - ☐ 4. Omnivores

**Q.2** Select the most appropriate option to substitute the underlined part of the following sentence.  
My brother always received the lion's share of every meal that we had.

- Ans**
- ☐ 1. a very small part
  - ☐ 2. the pet's share
  - ☐ 3. the last bite
  - ☒ 4. the major portion

**Q.3** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.  
He and his friends / does not / want to / attend the meeting.

- Ans**
- ☒ 1. does not
  - ☐ 2. want to
  - ☐ 3. attend the meeting
  - ☐ 4. He and his friends

**Q.4** Select the most appropriate option that can substitute the underlined part in the following sentence.  
We all have to pull our socks up for the upcoming Board exam, if we want to get outstanding grades.

- Ans**
- ☐ 1. act in a proper manner
  - ☒ 2. work harder than before
  - ☐ 3. calm down impudent contempt
  - ☐ 4. revive interest in old matters

**Q.5** The following sentence has been divided into four segments. Identify the segment in which the article has been used **INCORRECTLY**.  
In the recent past, the IT industry has emerged / as a major contributor to an industry revenue / as well as employment / opportunity provider in the country.

- Ans**
- ☐ 1. opportunity provider in the country.
  - ☐ 2. In the recent past, the IT industry has emerged
  - ☒ 3. as a major contributor to an industry revenue
  - ☐ 4. as well as employment



**Q.6** Select the most appropriate **ANTONYM** of the given word.

**Nominal**

- Ans**
- ☐ 1. Nasty
  - ☐ 2. Sound
  - ☐ 3. Constant
  - ☒ 4. Significant

**Q.7** Select the sentence that does **NOT** have a spelling error.

- Ans**
- ☐ 1. There were no intermittent showers in the city, as was predicted during the whether forecast.
  - ☐ 2. She is very particular about pronunciation in her classes.
  - ☒ 3. The movie was very successful in the urban areas, but not among rural audiences.
  - ☐ 4. There wedding was during the summer, which is why we didn't attend it.

**Q.8** Select the option that expresses the following sentence in passive voice.  
**He had cleaned the bathroom.**

- Ans**
- ☐ 1. The bathroom has cleaned by him.
  - ☐ 2. The bathroom had cleaned by him.
  - ☒ 3. The bathroom had been cleaned by him.
  - ☐ 4. The bathroom has been cleaned by him.

**Q.9** Select the most appropriate option to substitute the underlined segment in the given sentence.  
**Ashoka was the greatest than all the Mauryan Emperors .**

- Ans**
- ☐ 1. all Mauryan Emperors
  - ☒ 2. of the Mauryan Emperors
  - ☐ 3. to all another Mauryan Emperors
  - ☐ 4. to other Mauryan Emperors

**Q.10** Select the most appropriate **ANTONYM** of the given word.  
**Concede**

- Ans**
- ☐ 1. Surrender
  - ☐ 2. Battle
  - ☐ 3. Avow
  - ☒ 4. Deny

**Q.11** Identify the **INCORRECTLY** spelt word in the following sentence.  
**Parul is known as a rigteous and honest lady.**

- Ans**
- ☒ 1. rigteous
  - ☐ 2. known
  - ☐ 3. lady
  - ☐ 4. honest

**Q.12** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.  
**P- for a**  
**Q- exercise daily**  
**R- one must**  
**S- good body**

- Ans**
- ☐ 1. PRQS
  - ☐ 2. PRSQ
  - ☒ 3. RQPS
  - ☐ 4. PQRS

**Q.13** Select the most appropriate ANTONYM of the given word.  
**Bombastic**

- Ans**
- ☒ 1. Simple
  - ☐ 2. Wicked
  - ☐ 3. Elevated
  - ☐ 4. Pastoral

**Q.14** Select the most appropriate ANTONYM of the given word.  
**Forgive**

- Ans**
- ☐ 1. Unburden
  - ☐ 2. Requite
  - ☐ 3. Clear
  - ☒ 4. Loathe

**Q.15** Select the most appropriate synonym of the word in brackets to fill in the blank.  
He said that he lacks the \_\_\_\_\_ to stand in a queue. (patience)

- Ans**
- ☐ 1. relevance
  - ☐ 2. elegance
  - ☒ 3. endurance
  - ☐ 4. acceptance

**Q.16** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.  
(a) the Industrial Revolution denotes  
(b) and continued until the middle of the 19<sup>th</sup> century  
(c) a significant period of social, economic and technological revolution  
(d) that commenced in the latter part of the 18<sup>th</sup> century

- Ans**
- ☐ 1. dcba
  - ☒ 2. acdb
  - ☐ 3. abcd
  - ☐ 4. cadb

**Q.17** Select the most appropriate option to substitute the underlined segment in the given sentence.  
The ship launched out on a journey by water or sea of discovery.

- Ans**
- ☒ 1. voyage
  - ☐ 2. rendezvous
  - ☐ 3. verso
  - ☐ 4. vespers

**Q.18** Select the most appropriate ANTONYM of the word in the brackets to fill in the blank.  
The pool was too \_\_\_\_\_ at this end for kids to play. [SHALLOW]

- Ans**
- ☐ 1. green
  - ☐ 2. blue
  - ☒ 3. deep
  - ☐ 4. cold

**Q.19** Select the option that can substitute/replace the bracketed word correctly and complete the sentence.

I said I (don't) understand.

- Ans**
- ☐ 1. doesn't
  - ☐ 2. am doing
  - ☒ 3. didn't
  - ☐ 4. done

**Q.20** Select the option that correctly expresses the given sentence in passive voice.  
Why didn't she bring her son to my house?

- Ans**
- ☒ 1. Why wasn't her son brought by her to my house?
  - ☐ 2. Why isn't her son brought to my house?
  - ☐ 3. Why wasn't her son brought to my house?
  - ☐ 4. Why isn't her son brought by you to my house?

**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.

We naturally seek the company of those whose (1) \_\_\_\_\_ are the same as our own. Fools do not like the (2) \_\_\_\_\_ of wise men, and wise men avoid fools. Serious-minded people do not find much in common with (3) \_\_\_\_\_ folk, and vice versa. Sinners feel uncomfortable with (4) \_\_\_\_\_ and do not seek their company. We can, therefore, as a rule, judge a man's (5) \_\_\_\_\_ by the company he keeps.

**SubQuestion No : 21**

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

- Ans**
- ☐ 1. organisations
  - ☐ 2. institutes
  - ☐ 3. apathy
  - ☒ 4. tastes

**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.

We naturally seek the company of those whose (1) \_\_\_\_\_ are the same as our own. Fools do not like the (2) \_\_\_\_\_ of wise men, and wise men avoid fools. Serious-minded people do not find much in common with (3) \_\_\_\_\_ folk, and vice versa. Sinners feel uncomfortable with (4) \_\_\_\_\_ and do not seek their company. We can, therefore, as a rule, judge a man's (5) \_\_\_\_\_ by the company he keeps.

**SubQuestion No : 22**

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

- Ans**
- ☒ 1. company
  - ☐ 2. culture
  - ☐ 3. serious
  - ☐ 4. antagonist

**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.

We naturally seek the company of those whose (1) \_\_\_\_\_ are the same as our own. Fools do not like the (2) \_\_\_\_\_ of wise men, and wise men avoid fools. Serious-minded people do not find much in common with (3) \_\_\_\_\_ folk, and vice versa. Sinners feel uncomfortable with (4) \_\_\_\_\_ and do not seek their company. We can, therefore, as a rule, judge a man's (5) \_\_\_\_\_ by the company he keeps.

**SubQuestion No : 23**

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

- Ans**
- ☐ 1. solemn
  - ☐ 2. thoughtful
  - ☐ 3. grave
  - ☒ 4. frivolous

**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.

We naturally seek the company of those whose (1) \_\_\_\_\_ are the same as our own. Fools do not like the (2) \_\_\_\_\_ of wise men, and wise men avoid fools. Serious-minded people do not find much in common with (3) \_\_\_\_\_ folk, and vice versa. Sinners feel uncomfortable with (4) \_\_\_\_\_ and do not seek their company. We can, therefore, as a rule, judge a man's (5) \_\_\_\_\_ by the company he keeps.

**SubQuestion No : 24**

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

- Ans**
- ☐ 1. knave
  - ☐ 2. rowdy
  - ☒ 3. saints
  - ☐ 4. commoners

**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.

We naturally seek the company of those whose (1) \_\_\_\_\_ are the same as our own. Fools do not like the (2) \_\_\_\_\_ of wise men, and wise men avoid fools. Serious-minded people do not find much in common with (3) \_\_\_\_\_ folk, and vice versa. Sinners feel uncomfortable with (4) \_\_\_\_\_ and do not seek their company. We can, therefore, as a rule, judge a man's (5) \_\_\_\_\_ by the company he keeps.

**SubQuestion No : 25**

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

- Ans**
- ☐ 1. futurities
  - ☒ 2. character
  - ☐ 3. heirloom
  - ☐ 4. legacy