

# Combined Graduate Level Examination 2024 Tier I

Exam Date	19/09/2024
Exam Time	12:30 PM - 1:30 PM
Subject	Combined Graduate Level Examination Tier I

## Section : General Intelligence and Reasoning

**Q.1** Each vowel in the word 'ISOLATED' is changed to the following letter in the English alphabetical order and each consonant is changed to the preceding letter in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is the third from the left end and the second from the left end in the group of letters thus formed?

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

**Q.2** Select the option that represents the letters that when sequentially placed from left to right in the blanks below will complete the letter series.

\_ B \_ \_ \_ A L \_ \_ L \_ \_

- Ans**
- ☒ 1. LALBBABA
  - ☐ 2. BBALLBAA
  - ☐ 3. LBAALLBA
  - ☐ 4. BLABBALL

**Q.3** In a certain code,

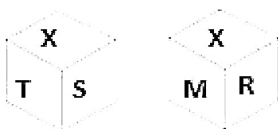
'it is raining' is coded as 'dy po ko',  
'is raining now' is coded as 'po jo ko' and  
'is now it' is coded as 'po jo dy'.

(All the codes are two-letter codes only.)

What is the code for 'raining'?

- Ans**
- ☒ 1. ko
  - ☐ 2. po
  - ☐ 3. jo
  - ☐ 4. dy

**Q.4** Six letters X, T, S, M, R and O 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 R.



- Ans**
- ☒ 1. S
  - ☐ 2. O
  - ☐ 3. T
  - ☐ 4. M

**Q.5** The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs, except one. Find that odd number-pair. (NOTE: The relation should be found without breaking down the numbers into its constituent digits)

- Ans**
- ☒ 1. 784 : 961
  - ☐ 2. 1764 : 1849
  - ☐ 3. 1156 : 1225
  - ☐ 4. 1521 : 1600

**Q.6** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (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)  
New Zealand : Wellington

- Ans**
- ☐ 1. Egypt : Tunis
  - ☐ 2. South Korea : Suwon Si
  - ☐ 3. China : Hong Kong
  - ☒ 4. Ethiopia : Addis Ababa

**Q.7** In a certain code language, 'toys are gadgets' is coded as 'dj sq ty' and 'gadgets are machines' is coded as 'mp ty dj'. What is code for 'gadgets' in that language?

- Ans**
- ☐ 1. either 'ty' or 'mp'
  - ☒ 2. either 'ty' or 'dj'
  - ☐ 3. dj
  - ☐ 4. sq

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

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

- Ans**
- ☐ 1. LKM
  - ☒ 2. XYW
  - ☐ 3. TSU
  - ☐ 4. HGI

**Q.9** What will come in place of the question mark (?) in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$16 - 2 \times 42 + 13 \div 12 = ?$$

- Ans**
- ☐ 1. 560
  - ☒ 2. 542
  - ☐ 3. 950
  - ☐ 4. 762

**Q.10** Select the number from among the given options that can replace the question mark (?) in the following series.  
625, 382, 301, 274, 265, ?

- Ans**
- ☐ 1. 258
  - ☐ 2. 248
  - ☒ 3. 262
  - ☐ 4. 260

**Q.11** In this question, three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

**Statements:**

All teachers are dancers.

All dancers are engineers.

Some engineers are beautiful.

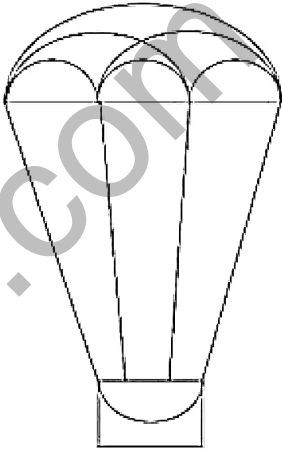
**Conclusions:**

I. All teachers are beautiful.

II. Some dancers are beautiful.

- Ans**
- ☒ 1. Both conclusions I and II follow.
  - ☒ 2. Neither conclusion I nor II follows.
  - ☒ 3. Only conclusion II follows.
  - ☒ 4. Only conclusion I follows.

**Q.12** How many semicircles are there in the given figure?



- Ans**
- ☒ 1. 6
  - ☒ 2. 5
  - ☒ 3. 8
  - ☒ 4. 7

**Q.13** In a certain code language,  
'A ! B' means 'A is the father of B',  
'A & B' means 'A is the brother of B',  
'A \* B' means 'A is the wife of B' and  
'A # B' means 'A is the daughter of B'.  
Which of the following means that S is the husband's brother's wife of M?

- Ans**
- ☒ 1. S & F \* J ! I # M
  - ☒ 2. S \* F & J ! I # M
  - ☒ 3. S & F ! J \* I # M
  - ☒ 4. S & F # J ! I \* M

**Q.14** Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/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.)

13 : 55  
23 : 105

- Ans**
- ☒ 1. 11 : 51
  - ☒ 2. 29 : 113
  - ☒ 3. 7 : 26
  - ☒ 4. 31 : 145

Q.15 Select the figure from among the given option that can replace the question mark (?) in the following series.

6	C	1	2	
2 = 1	M 6 P	P M 6 C	1 =	?
P C M	1 = 2	= 2 C	6 M P	

Ans

✗ 1.

	P	
=	C	1
2	6	M

✓ 2.

	6	
=	C	1
M	P	2

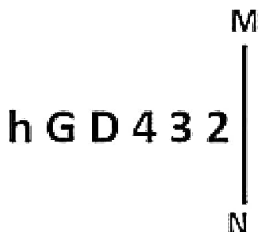
✗ 3.

	C	
1	=	2
P	6	M

✗ 4.

	6	
M	=	1
P	C	2

Q.16 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

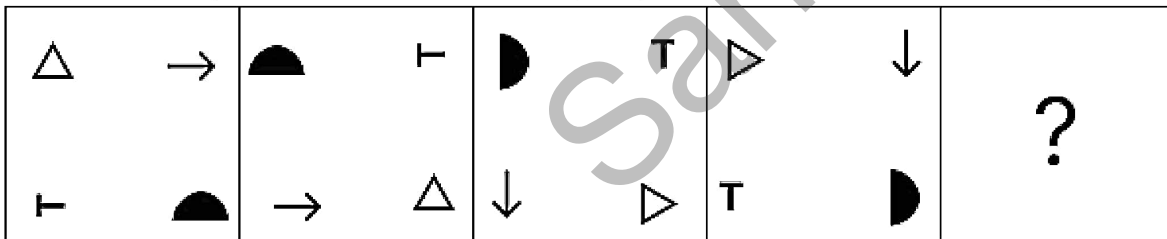
- ✗ 1. **h G D 4 3 2**
- ✓ 2. **h G D 4 3 2**
- ✗ 3. **h G D 4 3 2**
- ✗ 4. **h G D 4 3 2**

Q.17 In a certain code language, 'MAIN' is written as 'OHBL' and 'MAIL' is written as 'MHBL'. How will 'MANY' be written in that language?

Ans

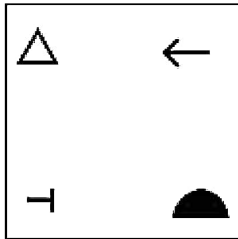
- ✗ 1. ZLMB
- ✓ 2. ZMBL
- ✗ 3. ZBLM
- ✗ 4. ZMLB

Q.18 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?

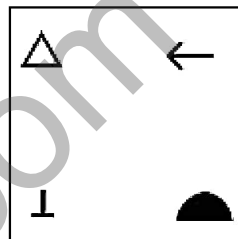


Ans

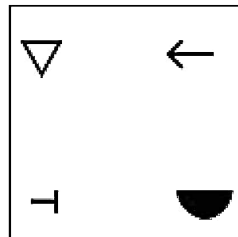
X 1.



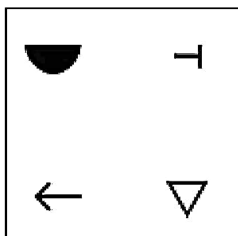
X 2.



✓ 3.



X 4.



Q.19 97 is related to 49 following a certain logic. Following the same logic, 115 is related to 58. To which of the following is 133 related to, 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

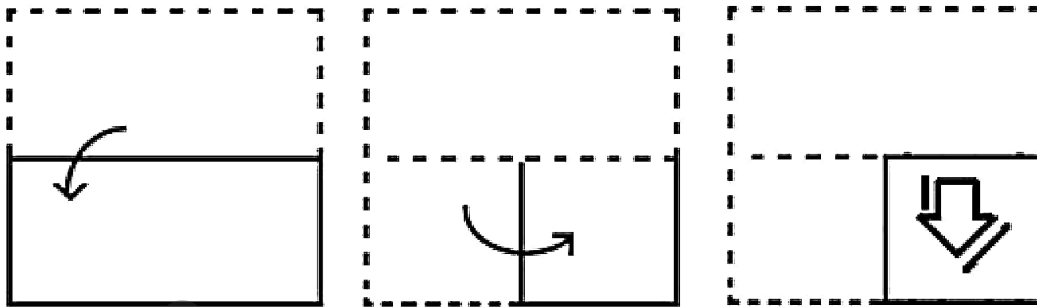
X 1. 82

X 2. 64

✓ 3. 67

X 4. 89

Q.20 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Ans

- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Q.21 'NQRP' is related to 'RUVT' in a certain way based on the English alphabetical order. In the same way, 'DGLF' is related to 'HKPJ'. To which of the following is 'KCUM' related, following the same logic?

Ans

- ✓ 1. OGYQ
- ✗ 2. PGZR
- ✗ 3. OHZQ
- ✗ 4. PHYR

**Q.22** Select the correct combination of mathematical signs to sequentially place from left to right in the blanks below to balance the given equation.

$$8 \_ 27 \_ 9 \_ 6 \_ 5 = 0$$

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

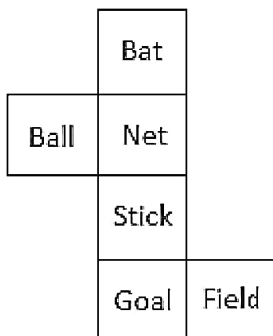
**Q.23** 13 is related to 119 following a certain logic. Following the same logic, 9 is related to 31. To which of the following is 8 related, following the same logic?  
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – 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. 14
  - ☐ 2. 10
  - ☐ 3. 27
  - ☐ 4. 24

**Q.24** Which of the following terms will replace the question mark (?) in the given series?  
ABNI, DAQH, ?, JYWF

- Ans**
- ☒ 1. GZTG
  - ☐ 2. TGZG
  - ☐ 3. CAYG
  - ☐ 4. GTZG

**Q.25** A cube is constructed by folding the given sheet along the lines shown. In the cube so formed, what would be the word on the opposite side of 'Ball'?



- Ans**
- ☒ 1. Field
  - ☐ 2. Goal
  - ☐ 3. Stick
  - ☐ 4. Bat

#### Section : General Awareness

**Q.1** \_\_\_\_\_ is the provision of small credit to those who would have no other access to financial services.

- Ans**
- ☐ 1. Microloan
  - ☒ 2. Microfinance
  - ☐ 3. Homeloan
  - ☐ 4. Pradhan Mantri Awas Yojana

**Q.2** The variation between a high air temperature and a low temperature that occurs during the same day is called \_\_\_\_\_ temperature.

- Ans**
- ☒ 1. diurnal
  - ☐ 2. annual
  - ☐ 3. wet bulb

**Q.3** Agricultural shot is a term used in which of the following sports?

- Ans**
- ☐ 1. Lawn Tennis
  - ☒ 2. Cricket
  - ☐ 3. Football
  - ☐ 4. Table Tennis

**Q.4** In peninsular India, which of the following kingdoms was the local power that ruled over northern Maharashtra and Vidarbha?

- Ans**
- ☒ 1. Vakatakas
  - ☐ 2. Maukharis
  - ☐ 3. Maitrakas
  - ☐ 4. Chalukyas

**Q.5** Which of the following is the best definition of ecological efficiency?

- Ans**
- ☐ 1. The amount of energy utilised at different trophic levels in a food chain
  - ☐ 2. The amount of energy stored at different trophic levels in a food chain
  - ☐ 3. The ratio between the mass and the energy flow at different trophic levels in a food chain
  - ☒ 4. The ratio between energy flows at different points in a food chain

**Q.6** Articles 245 to 255 in Part XI of the Indian Constitution deal with the \_\_\_\_\_.

- Ans**
- ☐ 1. emergency provisions
  - ☐ 2. financial relations between the Centre and the states
  - ☒ 3. legislative relations between the Centre and the states
  - ☐ 4. tribunals

**Q.7** In which group of states does the Luni River flow?

- Ans**
- ☐ 1. Bihar and West Bengal
  - ☐ 2. Andhra Pradesh and Telangana
  - ☒ 3. Rajasthan and Gujarat
  - ☐ 4. Maharashtra and Karnataka

**Q.8** Which state Chief Minister launched the 'Kaushalya Matritva Yojana' in 2022, which provides financial assistance of ₹5,000 to women giving birth to a second girl child for safe motherhood?

- Ans**
- ☐ 1. Gujarat
  - ☐ 2. Uttar Pradesh
  - ☐ 3. Rajasthan
  - ☒ 4. Chhattisgarh

**Q.9** For a chemical reaction with rise in temperature by 10°, the rate constant becomes nearly \_\_\_\_\_.

- Ans**
- ☒ 1. Double
  - ☐ 2. Triple
  - ☐ 3. one-fourth
  - ☐ 4. half

**Q.10** In which of the following years was VD Savarkar sent to Andaman Jail by the British?

- Ans**
- ☐ 1. 1910
  - ☐ 2. 1922
  - ☐ 3. 1923
  - ☒ 4. 1911



**Q.11** What is the disinvestment target of the Finance Ministry for the year 2023-24?

- Ans**
- ☐ 1. ₹54,000 crore
  - ☐ 2. ₹53,000 crore
  - ☐ 3. ₹50,000 crore
  - ☒ 4. ₹51,000 crore

**Q.12** Pandwani singer Usha Barle was conferred with which of the following awards by the Government of India in 2023?

- Ans**
- ☐ 1. Padma Vibhushan
  - ☐ 2. Bharat Ratna
  - ☐ 3. Padma Bhushan
  - ☒ 4. Padma Shri

**Q.13** Which of the following is an example of prokaryotic cells?

- Ans**
- ☐ 1. Plasmodium
  - ☐ 2. Leishmania
  - ☐ 3. Yeast
  - ☒ 4. Bacteria

**Q.14** As per Mendeleev's prediction, atomic mass of eka-aluminium was:

- Ans**
- ☐ 1. 100
  - ☐ 2. 44
  - ☐ 3. 72
  - ☒ 4. 68

**Q.15** Which Indian musician and sitar player is the founder of the National Orchestra of India ?

- Ans**
- ☒ 1. Ravi Shankar
  - ☐ 2. Shahid Parvez Khan
  - ☐ 3. Kishan Maharaj
  - ☐ 4. Ayyagari Syamasundaram

**Q.16** Which of the following commissions/committees identified the existence of legal provisions for implementation of some of the Fundamental Duties?

- Ans**
- ☐ 1. Vasantao Naik Committee
  - ☐ 2. Sarkaria Commission
  - ☐ 3. Rajamannar Commission
  - ☒ 4. Justice Verma Committee

**Q.17** Where was the first official summit of the Non-Aligned movement held?

- Ans**
- ☐ 1. India
  - ☒ 2. Yugoslavia
  - ☐ 3. New York
  - ☐ 4. Egypt

**Q.18** Gandharva Mahavidyalaya, which was founded by Pandit Vinaya Chandra Maudgalya, is located at \_\_\_\_\_.

- Ans**
- ☒ 1. New Delhi
  - ☐ 2. Pune
  - ☐ 3. Kolkata
  - ☐ 4. Mumbai

**Q.19** Which of the following documents provides a framework, rules and regulations for setting up public and private industries in India?

- Ans**
- ☒ 1. Industrial policy
  - ☐ 2. Annual report of the trade union
  - ☐ 3. Company's financial statement
  - ☐ 4. Union Budget

**Q.20** In chess, which of the following may only move forward to the unoccupied square immediately in front of it?

- Ans**
- ☐ 1. The Bishop
  - ☐ 2. The Queen
  - ☒ 3. The Pawn
  - ☐ 4. The Rook

**Q.21** Mulayam Singh Yadav, who passed away in October 2022, served as the Chief Minister of which state?

- Ans**
- ☐ 1. Madhya Pradesh
  - ☐ 2. Gujarat
  - ☒ 3. Uttar Pradesh
  - ☐ 4. Bihar

**Q.22** Which is the joint digital skills initiative for employability through digital skills by National Career Service and Microsoft India?

- Ans**
- ☒ 1. Digisaksham
  - ☐ 2. Vidyadaan
  - ☐ 3. Shiksha Vani
  - ☐ 4. Swayam

**Q.23** In which of the following states is Me-dam-me-phi festival primarily celebrated?

- Ans**
- ☐ 1. Bihar
  - ☒ 2. Assam
  - ☐ 3. Nagaland
  - ☐ 4. Odisha

**Q.24** Which of the following is an example of joint sector industry?

- Ans**
- ☐ 1. Bharat Heavy Electricals Limited
  - ☒ 2. Oil India Limited
  - ☐ 3. Tata Iron and Steel Company
  - ☐ 4. Steel Authority of India Limited

**Q.25** In 10<sup>th</sup> century India, Queen Didda became the ruler of which of the following regions of north India?

- Ans**
- ☐ 1. Kannauj
  - ☐ 2. Malwa
  - ☐ 3. Delhi
  - ☒ 4. Kashmir

Q.1 The maximum value of  $(2 \sin \theta + 3 \cos \theta)$  is:

- Ans
- ☐ 1.  $\sqrt{17}$
  - ☐ 2.  $\sqrt{11}$
  - ☐ 3. 9
  - ☒ 4.  $\sqrt{13}$

Q.2 The radius of the circle is 10 cm and the perpendicular distance from the chord to the centre is 6 cm. The length of the chord is:

- Ans
- ☒ 1. 16 cm
  - ☐ 2. 12 cm
  - ☐ 3. 14 cm
  - ☐ 4. 18 cm

Q.3 Simplify the following expression.  
 $25 \div 5 + 3$  of  $2 - 4 + 6$  of  $3 \div 2 - 8 + 4$

- Ans
- ☐ 1. 16
  - ☐ 2. 4
  - ☐ 3. 8
  - ☒ 4. 12

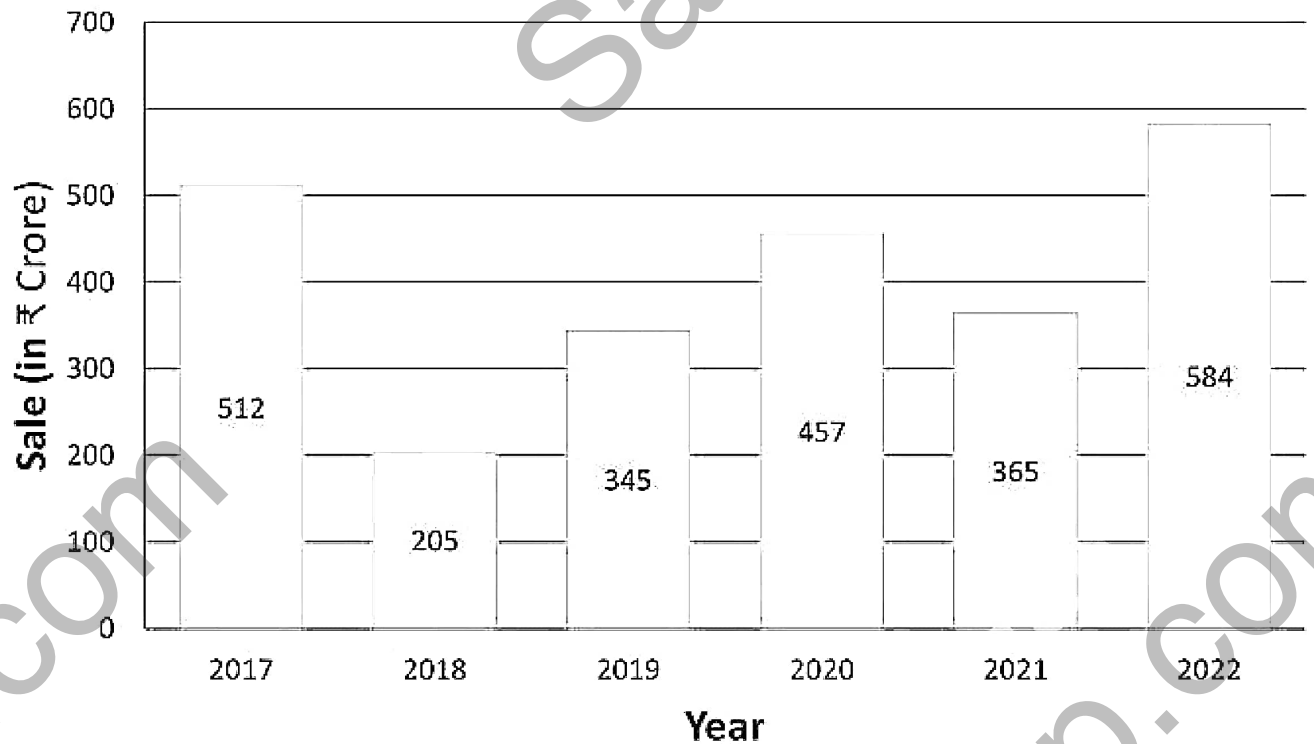
Q.4 If  $\left(x + \frac{1}{x}\right) = 7$ ,  $x > 0$ . The positive value of  $\left(x - \frac{1}{x}\right)$  is:

- Ans
- ☐ 1.  $5\sqrt{4}$
  - ☐ 2.  $5\sqrt{5}$
  - ☒ 3.  $3\sqrt{5}$
  - ☐ 4.  $4\sqrt{5}$

Q.5 A shopkeeper sells rice at the rate of ₹44 per kg whose cost price is ₹40 per kg. Not satisfied with this, he tries to increase his profit by removing 200 grams of rice from each packet. What is the shopkeeper's overall gain percentage?

- Ans
- ☐ 1. 35%
  - ☒ 2. 37.5%
  - ☐ 3. 37%
  - ☐ 4. 35.5%

- Q.6 The following bar graph shows the sales of a company (in ₹ crore) in different years. Study the graph and answer the question.



The mean of the highest and lowest sales (in ₹ crore) is:

- Ans
- ☒ 1. 326.7
  - ☒ 2. 394.5
  - ☒ 3. 484.2
  - ☒ 4. 412.3

- Q.7 Three years ago, the age of a person was six times the age of his younger brother. Eight years later, the age of the person will be three years less than twice the age of his younger brother. Find the present ages of the person and his younger brother.

- Ans
- ☒ 1. 15 years and 5 years
  - ☒ 2. 5 years and 15 years
  - ☒ 3. 12 years and 4 years
  - ☒ 4. 4 years and 12 years

- Q.8 An article marked for ₹275 is sold at 5% discount. The seller still gains 4.5%. What did he pay for it?

- Ans
- ☒ 1. ₹250
  - ☒ 2. ₹125
  - ☒ 3. ₹200
  - ☒ 4. ₹225

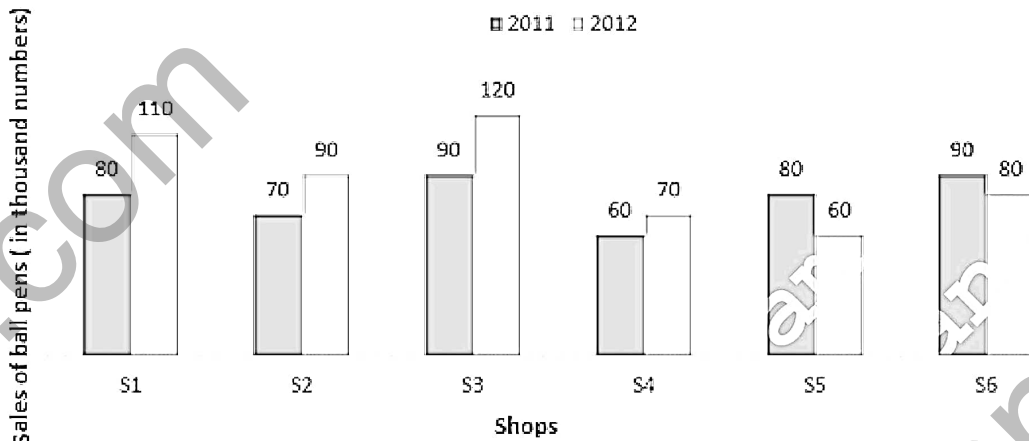
- Q.9 PQ and RS are common tangents to two circles intersecting at A and B. A and B, when produced on both the sides, meet the tangents PQ and RS at X and Y, respectively. If AB = 3 cm and XY = 5 cm, then PQ is \_\_\_\_\_.

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

**Q.10** At a school building, there is an overhead tank. To fill this tank 50 buckets of water are required. Assume that the capacity of the bucket is reduced to two-fifth of the present. How many buckets of water are required to fill the same tank?

- Ans**
- ☐ 1. 62.5
  - ☐ 2. 20
  - ☒ 3. 125
  - ☐ 4. 60

**Q.11** The bar graph given below shows the sales of ball pens (in thousand numbers) from six shops S1, S2, S3, S4, S5, and S6, during two consecutive years, 2011 and 2012.



What's is the ratio of the total sales of shop S2 for both years to the total sales of Shop S5 for both years?

- Ans**
- ☒ 1. 8 : 7
  - ☐ 2. 7 : 5
  - ☐ 3. 5 : 8
  - ☐ 4. 3 : 7

**Q.12** A and B can do a work in 12 days and 16 days, respectively. If they work together for 6 days, then the fraction of the work left is \_\_\_\_\_.

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

**Q.13** A quadrilateral PQRS is inscribed in a circle of centre O, such that PQ is a diameter and  $\angle PSR = 120^\circ$ . Find the value of  $\angle QPR$ .

- Ans**
- ☒ 1.  $30^\circ$
  - ☐ 2.  $60^\circ$
  - ☐ 3.  $40^\circ$
  - ☐ 4.  $50^\circ$

**Q.14** The base radius of a circular cylinder is 10.5 cm. If the area of its curved surface is  $792 \text{ cm}^2$ , then what is the volume of the cylinder?

- Ans**
- ☐ 1.  $4185 \text{ cm}^3$
  - ☐ 2.  $4518 \text{ cm}^3$
  - ☐ 3.  $4152 \text{ cm}^3$
  - ☒ 4.  $4158 \text{ cm}^3$

**Q.15** The value of the expression  $\frac{1 - \sin(2t)}{1 + \sin(2t)} \times \frac{\cos(t) + \sin(t)}{\cos(t) - \sin(t)}$  is

- Ans**
- ☐ 1.  $\frac{1 - 2\tan(t)}{1 + 2\tan(t)}$
  - ☒ 2.  $\frac{1 - \tan(t)}{1 + \tan(t)}$
  - ☐ 3.  $\frac{1 + 2\tan(t)}{1 - 2\tan(t)}$
  - ☐ 4.  $\frac{1 + \tan(t)}{1 - \tan(t)}$

**Q.16** The sum of the ages of 6 children born at the interval of two years each is 90 years. What is the age (in years) of the eldest child?

- Ans**
- ☐ 1. 14
  - ☒ 2. 20
  - ☐ 3. 16
  - ☐ 4. 10

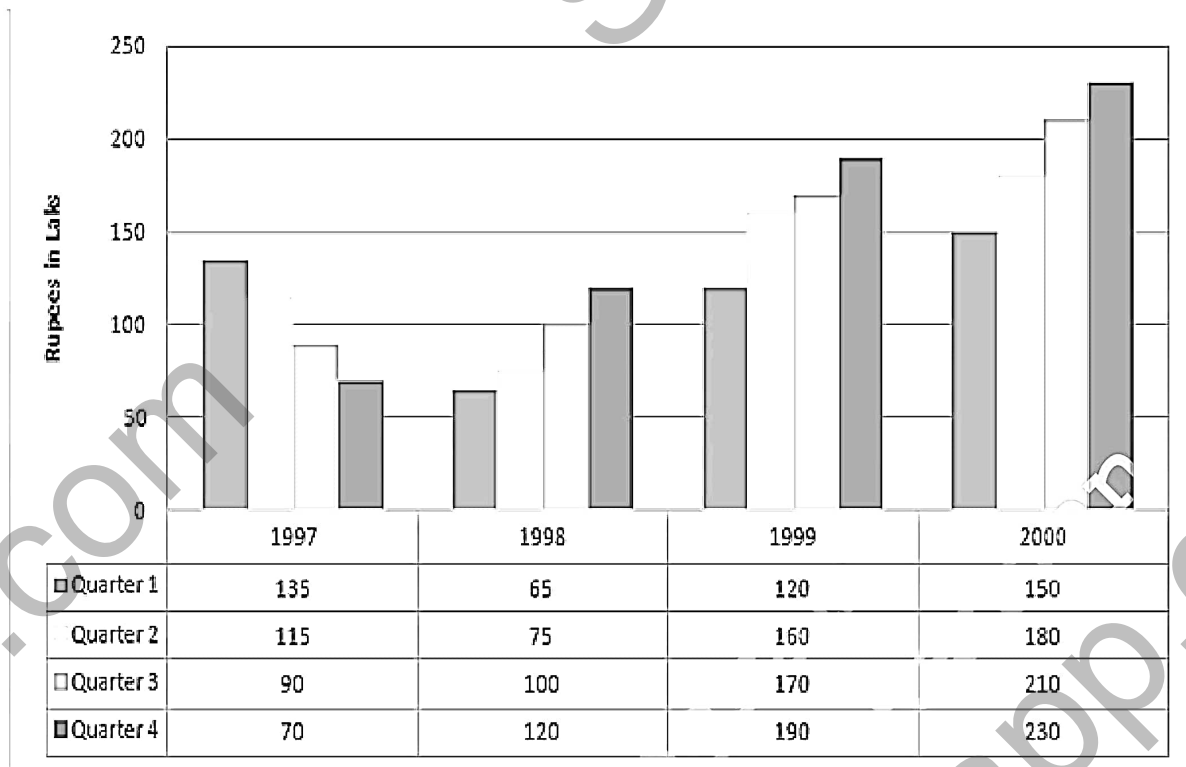
**Q.17** A sum of ₹1,456, when invested for ten years, amounts to ₹2,366 on maturity. Find the rate of simple interest per annum that was to be paid on the sum invested.

- Ans**
- ☐ 1. 5.75%
  - ☐ 2. 6.5%
  - ☒ 3. 6.25%
  - ☐ 4. 6.15%

Q.18

Study the given bar graph and answer the question that follows.

The following bar graph shows the quarterly profit (in lakhs) of a departmental store from 1997 to 2000.



What was the percentage increase in annual profit of the departmental store from 1997 to 2000?

Ans

✗ 1.  $85\frac{33}{41}\%$

✗ 2.  $84\frac{33}{41}\%$

✓ 3.  $87\frac{33}{41}\%$

✗ 4.  $83\frac{33}{41}\%$

Q.19

Simplify  $\left[1 - \sin^2 32^\circ + \frac{1}{1 + \tan^2 58^\circ}\right]$ .

Ans

✗ 1.  $\frac{1}{2}$

✗ 2.  $\sin 32^\circ$

✓ 3. 1

✗ 4.  $\sqrt{3}$

Q.20 The average score of a batsman in twenty matches is 15 and in twenty-five other matches is 24. Find the average score in all the forty-five matches.

Ans

✗ 1. 21

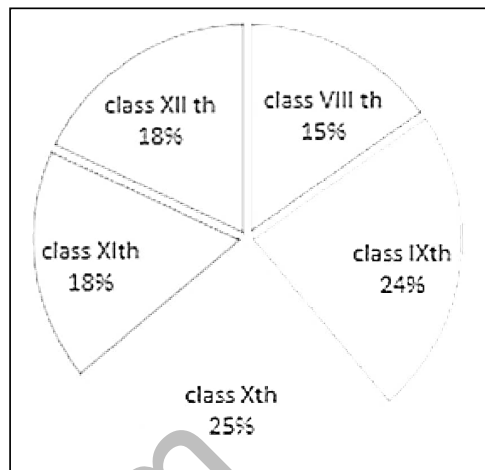
✓ 2. 20

✗ 3. 19.5

✗ 4. 22

Q.21

The given pie chart shows the number of students admitted in to different classes of a school in the academic year 2022-23.



How many students were more in Class 10 than in Class 12 if 600 students were admitted in to Class 8?

Ans

- ☒ 1. 280
- ☐ 2. 298
- ☐ 3. 240
- ☐ 4. 295

Q.22

A thief is spotted by a policeman from a distance of 200 metres. When the policeman starts the chase, the thief also starts running. If the speed of the thief is 9 km/h and that of the policeman 10 km/h, how far will the thief have to run before he is overtaken?

Ans

- ☐ 1. 1.2 km
- ☐ 2. 1.4 km
- ☒ 3. 1.8 km
- ☐ 4. 1.6 km

Q.23

From the given numbers A, B, C and D, which number is NOT divisible by 11?

A = 712712  
B = 177210  
C = 64614  
D = 756148

Ans

- ☐ 1. C
- ☒ 2. D
- ☐ 3. B
- ☐ 4. A

Q.24

The price of an item is increased twice successively. The final price is ₹2,295 and initial price was ₹1,000. The percentage increment the second time was twice the percentage increment the first time. By what percentage was the price increased the second time?

Ans

- ☐ 1. 35%
- ☐ 2. 65%
- ☒ 3. 70%
- ☐ 4. 25%

Q.25

$\triangle ABC$  and  $\triangle DEF$  are two triangles such that  $\triangle ABC \cong \triangle FDE$ . If  $AB=17$  cm,  $\angle B=52^\circ$  and  $\angle A=95^\circ$ , then which of the following options is true?

Ans

- ☐ 1.  $DE=17$  cm,  $\angle F=33^\circ$
- ☒ 2.  $DF=17$  cm,  $\angle E=33^\circ$
- ☐ 3.  $DE=17$  cm,  $\angle E=33^\circ$
- ☐ 4.  $DF=17$  cm,  $\angle D=33^\circ$



**Q.1** The following sentence has been divided into three segments. One of them may contain an error. Select the option that has the segment with the error. If you don't find any error, select 'No error' as your answer.  
Mr. Ali's shop / is further to / the hospital.

- Ans**
- ☒ 1. is further to
  - ☐ 2. No error
  - ☐ 3. Mr. Ali's shop
  - ☐ 4. the hospital.

**Q.2** Select the most appropriate synonym of the underlined word in the given sentence.  
She is a very creative artist and one can see that in her paintings.

- Ans**
- ☒ 1. Innovative
  - ☐ 2. Likeable
  - ☐ 3. Pedantic
  - ☐ 4. Good

**Q.3** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.  
(A) a lot  
(B) my daily routine  
(C) i have missed  
(D) since my retirement  
(E) at the workplace

- Ans**
- ☒ 1. CBEAD
  - ☐ 2. BACED
  - ☐ 3. BEADC
  - ☐ 4. BADEC

**Q.4** Identity the most appropriate ANTONYM of the underlined word in the following sentence.  
I love the stunning view of the mountain.

- Ans**
- ☐ 1. Toxic
  - ☐ 2. Superfluous
  - ☐ 3. Smashing
  - ☒ 4. Mundane

**Q.5** Select the option that expresses the following sentence in active voice.  
The concert tickets were bought by my friend

- Ans**
- ☐ 1. My friend has bought the concert tickets.
  - ☒ 2. My friend bought the concert tickets.
  - ☐ 3. My friend buys the concert tickets.
  - ☐ 4. My friend is buying the concert tickets.

**Q.6** Identify from the given options the word which is similar in meaning to the following word.  
Morbid

- Ans**
- ☐ 1. Blithe
  - ☒ 2. Gloomy
  - ☐ 3. Grand
  - ☐ 4. Bet

**Q.7** Select the most appropriate meaning of the underlined idiom/phrase.

I had heard of henpecked husbands and now, I felt that I saw one.

- Ans**
- ☐ 1. Controlling husband
  - ☐ 2. Bossy husbands
  - ☒ 3. Oppressed husband
  - ☐ 4. Dominating husbands

**Q.8** The following sentence has been split into four segments. Identify the segment that contains a spelling error.  
Big Data has inandated / the education industry. / It has transformed it / by leaps and bounds.

- Ans**
- ☐ 1. It has transformed it
  - ☐ 2. by leaps and bounds
  - ☐ 3. the education industry
  - ☒ 4. Big Data has inandated

**Q.9** Select the most appropriate ANTONYM of the given word.  
Hinder

- Ans**
- ☐ 1. Praise
  - ☒ 2. Facilitate
  - ☐ 3. Joy
  - ☐ 4. Block

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

- Ans**
- ☐ 1. Inexorable
  - ☐ 2. Clear
  - ☒ 3. Avoidable
  - ☐ 4. Confident

**Q.11** Select the option that can be used as a one-word substitute for the given group of words.

The statistical study of human populations.

- Ans**
- ☐ 1. Photography
  - ☐ 2. Palaeography
  - ☐ 3. Astronomy
  - ☒ 4. Demography

**Q.12** Parts of the following sentence have been given as options. Select the option that contains an error.  
It rain a lot in this part of the country.

- Ans**
- ☐ 1. of the country
  - ☒ 2. It rain
  - ☐ 3. a lot
  - ☐ 4. in this part

**Q.13** Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.

- A. all the plants and animals of today
- B. it is written that Brahma is the God of creation
- C. and it is He who has made
- D. in the book of Hindu mythology

- Ans**
- ☐ 1. DACB
  - ☒ 2. DBCA
  - ☐ 3. DCBA
  - ☐ 4. CABD

**Q.14** Select the correctly spelled sentence.

- Ans**
- ☒ 1. The athlete's achievements are impressive.
  - ☐ 2. The athlete's acheivements are impressive.
  - ☐ 3. The athlete's achievements are impressive.
  - ☐ 4. The athletees achievements are impressive.

**Q.15** Select the option that expresses the given sentence in passive voice.  
Inayat did not greet her.

- Ans**
- ☐ 1. She was not going to be greeted by Inayat.
  - ☐ 2. She was not at all greeted by Inayat.
  - ☒ 3. She was not greeted by Inayat.
  - ☐ 4. She was not being greeted by Inayat.

**Q.16** Select the most appropriate option that can substitute the underlined segment in the given sentence.  
She was foolish enough to think that she be completely safe now.

- Ans**
- ☐ 1. has being completely safe
  - ☐ 2. have been completely safe
  - ☒ 3. is completely safe
  - ☐ 4. were completely safe

**Q.17** Select the option that can be used as a one-word substitute for the underlined group of words.  
In industries, it is very common to observe that people show undue favour to one's own relative during the hiring process.

- Ans**
- ☒ 1. nepotism
  - ☐ 2. racism
  - ☐ 3. liberalism
  - ☐ 4. communism

**Q.18** Select the most appropriate idiom that can substitute the underlined segment in the given sentence.  
Roshan, it's time for you to give your speech to the whole school, wishing you luck to do well.

- Ans**
- ☐ 1. down in the dumps
  - ☒ 2. break a leg
  - ☐ 3. high five
  - ☐ 4. hands down

**Q.19** Select the most appropriate synonym of the underlined word.

It takes time to adapt to a new environment.

- Ans**
- ☐ 1. Apply
  - ☒ 2. Adjust
  - ☐ 3. Understand
  - ☐ 4. Control

**Q.20** Select the option that can be used as a one-word substitute for the given group of words.

One who tends to look at the dark side of things

- Ans**
- ☐ 1. Dynamist
  - ☐ 2. Polemist
  - ☐ 3. Optimist
  - ☒ 4. Pessimist

**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.

Recently, the (1)\_\_\_\_\_ of heart-attacks in young Indians (2)\_\_\_\_\_ increased tremendously. Doctors are surprised to note that young men and women with seemingly healthy lifestyle are suffering deadly heart attacks. (3)\_\_\_\_\_ diet and exercise play a (4)\_\_\_\_\_ role in a person's overall wellbeing, mental health is also a valuable factor. The (5)\_\_\_\_\_ urban lifestyle is causing anxiety and depression in young Indians which may be a major factor behind the increased numbers.

**SubQuestion No : 21**

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

- Ans**
- ☒ 1. amount
  - ☒ 2. number
  - ☒ 3. percent
  - ☒ 4. height

**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.

Recently, the (1)\_\_\_\_\_ of heart-attacks in young Indians (2)\_\_\_\_\_ increased tremendously. Doctors are surprised to note that young men and women with seemingly healthy lifestyle are suffering deadly heart attacks. (3)\_\_\_\_\_ diet and exercise play a (4)\_\_\_\_\_ role in a person's overall wellbeing, mental health is also a valuable factor. The (5)\_\_\_\_\_ urban lifestyle is causing anxiety and depression in young Indians which may be a major factor behind the increased numbers.

**SubQuestion No : 22**

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

- Ans**
- ☒ 1. have been
  - ☒ 2. had
  - ☒ 3. has
  - ☒ 4. have

**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.

Recently, the (1)\_\_\_\_\_ of heart-attacks in young Indians (2)\_\_\_\_\_ increased tremendously. Doctors are surprised to note that young men and women with seemingly healthy lifestyle are suffering deadly heart attacks. (3)\_\_\_\_\_ diet and exercise play a (4)\_\_\_\_\_ role in a person's overall wellbeing, mental health is also a valuable factor. The (5)\_\_\_\_\_ urban lifestyle is causing anxiety and depression in young Indians which may be a major factor behind the increased numbers.

**SubQuestion No : 23**

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

- Ans**
- ☒ 1. Since
  - ☒ 2. Although
  - ☒ 3. In spite of
  - ☒ 4. However

**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.

Recently, the (1)\_\_\_\_\_ of heart-attacks in young Indians (2)\_\_\_\_\_ increased tremendously. Doctors are surprised to note that young men and women with seemingly healthy lifestyle are suffering deadly heart attacks. (3)\_\_\_\_\_ diet and exercise play a (4)\_\_\_\_\_ role in a person's overall wellbeing, mental health is also a valuable factor. The (5)\_\_\_\_\_ urban lifestyle is causing anxiety and depression in young Indians which may be a major factor behind the increased numbers.

**SubQuestion No : 24**

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

- Ans**
- ☒ 1. historic
  - ☒ 2. epic
  - ☒ 3. monumental
  - ☒ 4. increased

**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.

Recently, the (1)\_\_\_\_\_ of heart-attacks in young Indians (2)\_\_\_\_\_ increased tremendously. Doctors are surprised to note that young men and women with seemingly healthy lifestyle are suffering deadly heart attacks. (3)\_\_\_\_\_ diet and exercise play a (4)\_\_\_\_\_ role in a person's overall wellbeing, mental health is also a valuable factor. The (5)\_\_\_\_\_ urban lifestyle is causing anxiety and depression in young Indians which may be a major factor behind the increased numbers.

**SubQuestion No : 25**

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

- Ans**
- ☒ 1. fast-paced
  - ☐ 2. cosmic
  - ☐ 3. rapidly
  - ☐ 4. wilderness