

Combined Graduate Level Examination 2024 Tier I

Exam Date	18/09/2024
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I

Section : General Intelligence and Reasoning

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following set.

3 — 20 — 7

5 — 26 — 8

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. 18 — 70 — 6
 - ☐ 2. 5 — 20 — 8
 - ☒ 3. 8 — 28 — 6
 - ☐ 4. 17 — 20 — 13

Q.2 In a certain code language, 'she is girl' is coded as '7 3 9'; 'he is boy' is coded as '9 6 5' and 'girl is tall' is coded as '9 3 8'. How is 'she' coded in that language?

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

Q.3 Select the number from among the given options that can replace the question mark (?) in the following series.
300, 152, 80, 48, 40, 52, ?

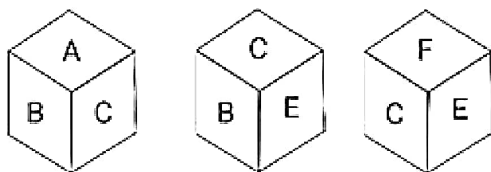
- Ans**
- ☐ 1. 60
 - ☐ 2. 80
 - ☒ 3. 90
 - ☐ 4. 100

Q.4 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



- Ans**
- ☐ 1. a m t c v
 - ☐ 2. a m t c v
 - ☐ 3. e m t c v
 - ☒ 4. s m t c v

Q.5 Six letters A, B, C, D, E and F are written on different faces of a dice. Three positions of this dice are shown in the figure. Find the letter on the face opposite to A.



- Ans**
- ☒ 1. C
 - ☒ 2. D
 - ☒ 3. E
 - ☒ 4. F

Q.6 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete? WIX, VHW, UGV, TFU, ?

- Ans**
- ☒ 1. TEU
 - ☒ 2. SEU
 - ☒ 3. SET
 - ☒ 4. SFT

Q.7 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)
Sugar : Sweet :: Habanero : ?

- Ans**
- ☒ 1. Salty
 - ☒ 2. Bitter
 - ☒ 3. Sour
 - ☒ 4. Spicy

Q.8 Identify the figure given in the options which when put in place of ? will logically complete the series.

A	K	M	L	K	H	L	S	
M		K		L		H		?

Ans

☒ 1.

H	D
	S

☒ 2.

H	S
	S

☒ 3.

S	D
	H

☒ 4.

H	H

Q.9 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.)
(5, 80, 16)
(18, 108, 6)

- Ans**
- ☒ 1. (15, 185, 14)
 - ☒ 2. (13, 91, 7)
 - ☒ 3. (17, 8, 135)
 - ☒ 4. (9, 81, 8)

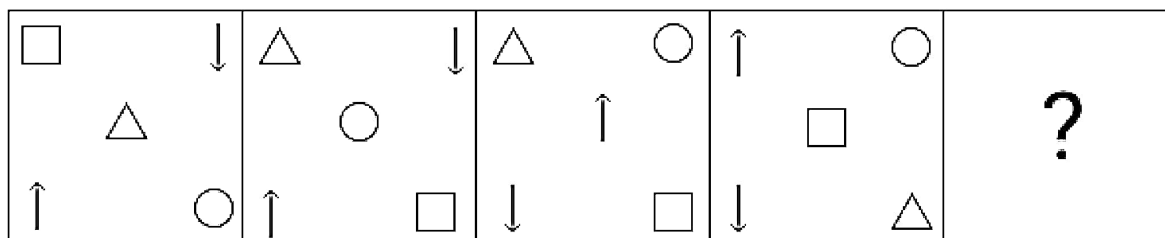
Q.10 In a certain code language,

'A + B' means 'A is the mother 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 father of B'.

Based on the above, how is S related to P if 'P × Q ÷ R – S × A'?

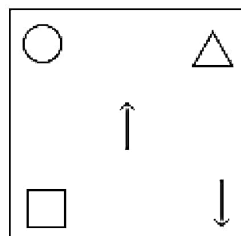
- Ans**
- ☒ 1. Mother
 - ☒ 2. Daughter
 - ☒ 3. Son
 - ☒ 4. Father

Q.11 Identify the figure given in the options, which when put in place of the question mark (?) will logically complete the series.

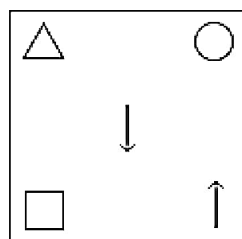


Ans

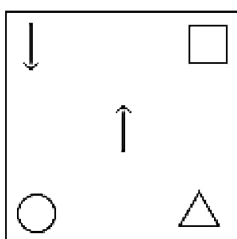
✗ 1.



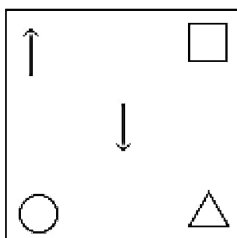
✗ 2.



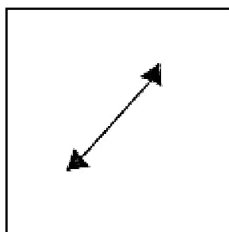
✗ 3.



✓ 4.



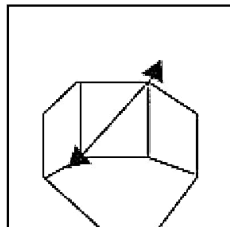
Q.12 Select the option figure in which the given figure (X) is embedded (rotation is NOT allowed).



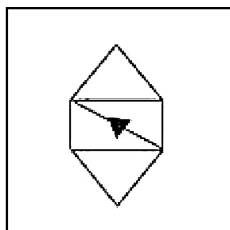
(X)

Ans

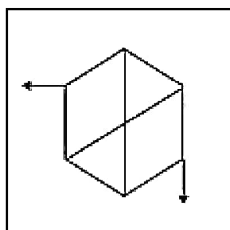
✓ 1.



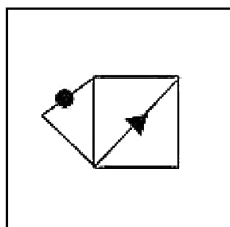
✗ 2.



✗ 3.



✗ 4.



Q.13 Select the option that represents the letters that when placed from left to right in the blanks below will complete the letter series.

_ Y Z K X K X _ Z K X _ X Y _ K X K X Y Z _ X K X Y

Ans ✗ 1. XYZKK

✓ 2. XYKZK

✗ 3. KXYKZ

✗ 4. KYXZK

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:

Some pineapples are oranges.

All oranges are bananas.

All bananas are plums.

Conclusions:

I. Some pineapples are plums.

II. All oranges are plums.

III. No pineapple is a banana.

Ans ☒ 1. Only conclusions I and III follow

☒ 2. Only conclusions I and II follow

☒ 3. Only conclusion III follows

☒ 4. Only conclusions II and III follow

Q.15 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$1064 \times 2 - 653 \div 2 + 89 = ?$$

Ans ☒ 1. 1974

☒ 2. 1749

☒ 3. 1947

☒ 4. 1497

Q.16 Three of the following numbers are alike in a certain way and one is different. Pick the odd one out. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ☒ 1. $16 - 9 = 139$

☒ 2. $25 - 7 = 175$

☒ 3. $12 - 7 = 79$

☒ 4. $17 - 5 = 80$

Q.17 51 is related to 256 by certain logic. Following the same logic, 53 is related to 266. To which of the following is 55 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. 276

☒ 2. 290

☒ 3. 249

☒ 4. 213

Q.18 In a certain code language, 'TABU' is written as 'SBAV' and 'TANK' is written as 'SBML'. How will 'TAIL' be written in that language?

Ans ☒ 1. SMBH

☒ 2. SMHB

☒ 3. SBHM

☒ 4. SBMH

Q.19 The position of how many letters will remain unchanged if all the letters in the word MENTOR are arranged in English alphabetical order?

Ans ☒ 1. Two

☒ 2. One

☒ 3. None

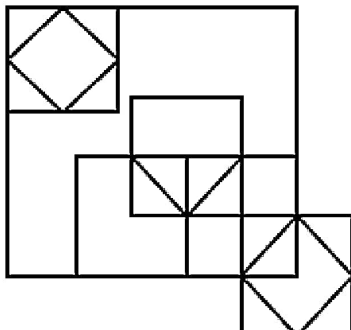
☒ 4. Three

Q.20 What will come in the place of '?' in the following equation, if '÷' and '-' are interchanged and 'x' and '+' are interchanged?

$$37 \div 56 - 7 \times 2 + 6 = ?$$

- Ans**
- ☒ 1. 41
 - ☐ 2. 55
 - ☐ 3. 37
 - ☐ 4. 47

Q.21 How many triangles are there in the figure shown below?



- Ans**
- ☐ 1. 12
 - ☒ 2. 14
 - ☐ 3. 9
 - ☐ 4. 11

Q.22 In a certain code language, 'DRIVE' is coded as '62749' and 'RIDES' is coded as '76284'. What is the code for 'V' in that language?

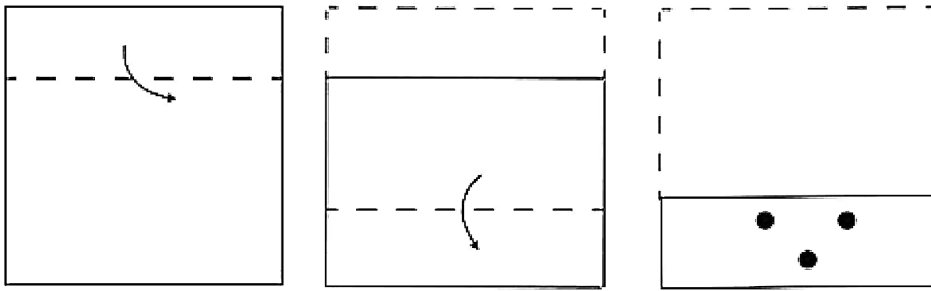
- Ans**
- ☐ 1. 8
 - ☐ 2. 7
 - ☒ 3. 9
 - ☐ 4. 6

Q.23 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.)

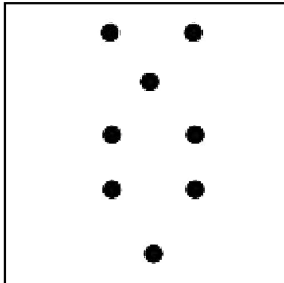
- Ans**
- ☐ 1. Tired - exhausted
 - ☐ 2. Loud - noisy
 - ☒ 3. Close - open
 - ☐ 4. Honest - truthful

Q.24 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last as shown. How would the paper look when unfolded?

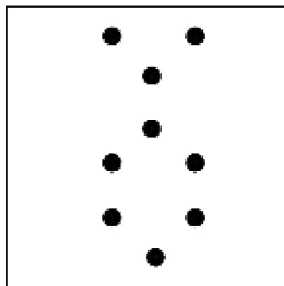


Ans

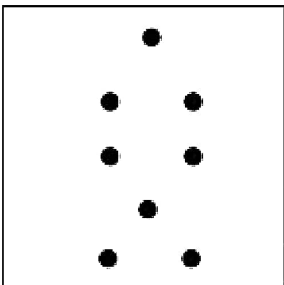
☒ 1.



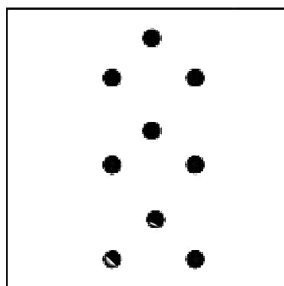
☒ 2.



☒ 3.



☒ 4.



Q.25 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.
JAP: BSH :: NDZ: FVR :: LCX: ?

Ans

☒ 1. EVP

☒ 2. DUP

☒ 3. DVP

☒ 4. EUP

Q.1 Find out why white silver chloride turns grey in sunlight.

- Ans**
- ☐ 1. Due to rusting of silver in presence of oxygen
 - ☐ 2. Due to redox reaction
 - ☒ 3. Due to the decomposition of silver chloride into silver and chlorine by light
 - ☐ 4. Due to the displacement of silver chloride to silver oxide

Q.2 Who founded the Brahmo Samaj in Calcutta in 1828?

- Ans**
- ☒ 1. Ram Mohan Roy
 - ☐ 2. Swami Vivekanand
 - ☐ 3. Gopal Krishna Gokhale
 - ☐ 4. Ramabai Ranade

Q.3 Which of the following are west flowing rivers?

- Ans**
- ☐ 1. Godavari and Mahanadi
 - ☐ 2. Krishna and Kaveri
 - ☐ 3. Ganga and Yamuna
 - ☒ 4. Mahi and Sabarmati

Q.4 Part IV A of the Indian Constitution was inserted in the Indian Constitution through _____ Constitutional Amendment Act.

- Ans**
- ☐ 1. 44th
 - ☐ 2. 46th
 - ☐ 3. 48th
 - ☒ 4. 42nd

Q.5 Sido and Kanhu were leaders of which of the following tribal rebellions?

- Ans**
- ☐ 1. Moplah Rebellion
 - ☒ 2. Santhal Rebellion
 - ☐ 3. Kol Rebellion
 - ☐ 4. Munda Rebellion

Q.6 The outermost part of the Earth is known as _____.

- Ans**
- ☐ 1. volcano
 - ☒ 2. the crust
 - ☐ 3. the core
 - ☐ 4. the mantle

Q.7 The Upper House of a State Legislature is known as the _____.

- Ans**
- ☒ 1. Vidhan Parishad
 - ☐ 2. Rajya Sabha
 - ☐ 3. Lok Sabha
 - ☐ 4. Vidhan Sabha

Q.8 According to the Ministry of Road Transport and Highways' annual report (2020-2021), which position does India have in terms of road networks in the world?

- Ans**
- ☐ 1. First
 - ☒ 2. Second
 - ☐ 3. Fourth
 - ☐ 4. Third

Q.9 Why does the milkman add a very small amount of baking soda to fresh milk?

- Ans**
- ☒ 1. To reduce the pH of the fresh milk from 6 to slightly more acidic
 - ☒ 2. To increase the pH of the fresh milk from 6 to slightly alkaline
 - ☒ 3. To maintain the pH of the fresh milk at 6 for a longer time
 - ☒ 4. To reduce the pH of the fresh milk from 6 to slightly alkaline

Q.10 In the context of periodicity, a unit called picometre is used to measure the _____.

- Ans**
- ☒ 1. atomic radius
 - ☒ 2. molar mass
 - ☒ 3. atomic density
 - ☒ 4. spin quantum number

Q.11 Who among the following was the Former Secretary (HRD), Information and Broadcasting (I&B) and has been appointed as the advisor to the Prime Minister of India in October 2021?

- Ans**
- ☒ 1. Shri Apurva Chandra
 - ☒ 2. PK Sinha
 - ☒ 3. Amarjeet Sinha
 - ☒ 4. Amit Khare

Q.12 Harrod Domar model was the main idea behind the _____ Five Year Plan.

- Ans**
- ☒ 1. Third
 - ☒ 2. First
 - ☒ 3. Second
 - ☒ 4. Fourth

Q.13 When was the Rashtriya Swasthya Bima Yojana introduced to provide health insurance to people below the poverty line?

- Ans**
- ☒ 1. 2017
 - ☒ 2. 2009
 - ☒ 3. 2014
 - ☒ 4. 2008

Q.14 Money supply is a _____ concept.

- Ans**
- ☒ 1. stock
 - ☒ 2. measurable
 - ☒ 3. non-measurable
 - ☒ 4. flow

Q.15 The _____ of every state unfurls the flag in its capital on the Republic Day.

- Ans**
- ☒ 1. Judge of High Court
 - ☒ 2. Chief Minister
 - ☒ 3. Governor
 - ☒ 4. Speaker

Q.16 Who among the following is one of the Deputy Chief Ministers of Uttar Pradesh as of July 2023?

- Ans**
- ☒ 1. Narottam Mishra
 - ☒ 2. Yogi Adityanath
 - ☒ 3. Manoj Sinha
 - ☒ 4. Keshav Prasad Maurya

Q.17 Who among the following is/was a famous sitarist?

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

Q.18 Three Poets Pampa, Ponna and Ranna are called as the 'Three Jewels' of:

- Ans**
- ☒ 1. Kannada Literature
 - ☐ 2. Telugu Literature
 - ☐ 3. Tamil Literature
 - ☐ 4. Sanskrit Literature

Q.19 Indian classical violinist Annavarapu Rama Swamy was awarded with the _____ in 2021.

- Ans**
- ☒ 1. Padma Shri
 - ☐ 2. Sangeet Natak Akademi
 - ☐ 3. Padma Vibhushan
 - ☐ 4. Padma Bhushan

Q.20 Under which of the following Acts, the Board of Control was established in England to control and supervise the administration of British India?

- Ans**
- ☐ 1. Charter Act of 1813
 - ☐ 2. Regulating Act of 1773
 - ☐ 3. Charter Act of 1793
 - ☒ 4. Pitt's India Act of 1784

Q.21 Which of the following states was the overall champion in both men and women categories in the first Janjatiya Khel Mahotsav?

- Ans**
- ☐ 1. Maharashtra
 - ☐ 2. Chhattisgarh
 - ☐ 3. Jharkhand
 - ☒ 4. Odisha

Q.22 According to the Varna system that was prevalent in the Vedic period, which of the following was NOT a Varna?

- Ans**
- ☐ 1. Brahmanas
 - ☐ 2. Kshatriyas
 - ☒ 3. Samiti
 - ☐ 4. Vaishyas

Q.23 Who was the first Indian woman wrestler to represent the country at the 2012 London Olympic Games?

- Ans**
- ☐ 1. Babita Phogat
 - ☐ 2. Sakshi Malik
 - ☐ 3. Vinesh Phogat
 - ☒ 4. Geeta Phogat

Q.24 Which marine carotenoid is abundant in brown seaweed, macroalgae and diatoms?

- Ans**
- ☒ 1. Fucoxanthin
 - ☐ 2. Astaxanthin
 - ☐ 3. Neoxanthin
 - ☐ 4. β -cryptoxanthin

Q.25 The Parliament passed the Essential Defence Services Bill, 2021 in August 2021. Which of the following is an objective behind passing it?

- Ans**
- ☒ 1. To encourage more FDI in defence services
 - ☐ 2. To prohibit strikes, lockouts and layoffs in units engaged in essential defence services
 - ☒ 3. To appoint more women in defence services
 - ☒ 4. To implement one rank one pension

Section : Quantitative Aptitude

Q.1 A certain sum of money is given at a certain rate of simple interest for 6 years. Had it been given at 7% higher rate, it would have fetched ₹1,512 more. Find the sum (in ₹).

- Ans**
- ☒ 1. 3,200
 - ☐ 2. 3,600
 - ☒ 3. 3,100
 - ☒ 4. 4,200

Q.2 A chord of length 32 cm is drawn at a distance of 12 cm from the centre of a circle. Find the radius of the circle.

- Ans**
- ☒ 1. 18 cm
 - ☒ 2. 22 cm
 - ☐ 3. 20 cm
 - ☒ 4. 28 cm

Q.3 A shopkeeper offers the following discount schemes for buyers.

I. Two successive discounts of 15% and 20%

II. Successive discount of 25 % and 10%

III. A discount of 33%

The selling price will be minimum under the scheme:

- Ans**
- ☒ 1. I
 - ☒ 2. I or II
 - ☐ 3. III
 - ☒ 4. II

Q.4 The perimeter of a rectangular garden is 48 m. If the length is 6 m more than the breadth, the area (in m²) of the garden is:

- Ans**
- ☐ 1. 135
 - ☒ 2. 96
 - ☒ 3. 84
 - ☒ 4. 112

Q.5 If three cubes of volume 512 cm³ each are joined end to end, find the surface area of the resulting cuboid.

- Ans**
- ☐ 1. 896 cm²
 - ☒ 2. 986 cm²
 - ☒ 3. 895 cm²
 - ☒ 4. 869 cm²

Q.6 A number r when divided by 8 leaves remainder 3. What will be the remainder when (r^2+6r+7) is divided by 8?

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

Q.7 If $\sec(t) = \frac{x}{y}$, then $\cot(t)$ is equal to:

- Ans
- ☒ 1. $\frac{y}{\sqrt{x^2 - y^2}}$
 - ☐ 2. $\frac{x}{\sqrt{x^2 + y^2}}$
 - ☐ 3. $\frac{x}{\sqrt{x^2 - y^2}}$
 - ☐ 4. $\frac{y}{\sqrt{x^2 + y^2}}$

Q.8 Simplify the following:

$$\left[\left(5\frac{1}{2} - 3\frac{1}{3} \right) \text{ of } 1\frac{5}{13} + 1 - 2 \times 3\frac{5}{2} \div 2\frac{3}{4} \right]$$

- Ans
- ☒ 1. 0
 - ☐ 2. $\frac{11}{2}$
 - ☐ 3. -2
 - ☐ 4. $3\frac{1}{2}$

Q.9 Find the mean proportional of 36 and 100.

- Ans
- ☐ 1. 65
 - ☒ 2. 60
 - ☐ 3. 55
 - ☐ 4. 70

Q.10 In a constituency, 45% of the total number of voters are males and the rest are females. If 60% of the males are illiterate and 60% of the females are literate, then by what per cent is the number of illiterate females more than that of literate males? (Rounded off to 2 decimal places)

- Ans
- ☐ 1. 19.11%
 - ☐ 2. 27.23%
 - ☐ 3. 30.24%
 - ☒ 4. 22.22%

Q.11 The sum of five consecutive numbers is 80. Find the largest number.

- Ans
- ☒ 1. 18
 - ☐ 2. 15
 - ☐ 3. 19
 - ☐ 4. 14

Q.12 A shopkeeper sold $\frac{5}{8}$ of his articles at a gain of 20% and the remaining at the cost price. What is his gain percentage in the whole transaction?

- Ans**
- ☐ 1. $16\frac{1}{2}\%$
- ☐ 2. $14\frac{1}{2}\%$
- ☐ 3. $13\frac{1}{2}\%$
- ☒ 4. $12\frac{1}{2}\%$

Q.13 Pipe X can fill a tank in 60 hours while pipe Y can fill the tank in 72 hours. Both pipes are opened together for 20 hours. How much of the tank is left empty ?

- Ans**
- ☐ 1. $\frac{1}{8}$
- ☐ 2. $\frac{243}{360}$
- ☒ 3. $\frac{7}{18}$
- ☐ 4. $\frac{3}{8}$

Q.14 If $x = 7 - 4\sqrt{3}$, then find the value of $\left(x^2 + \frac{1}{x^2}\right)$.

- Ans**
- ☐ 1. 188
- ☒ 2. 194
- ☐ 3. 186
- ☐ 4. 196

Q.15 The following table shows the expenditures (in thousands of rupees) of a company in different categories from 2015 to 2019.

Year	Salary	Fuel and Transport	Bonus	Interest on loans	Taxes
2015	288	98	3	23.4	83
2016	343	112	2.52	32.5	108
2017	324	101	3.84	41.6	74
2018	336	133	3.68	36.4	88
2019	420	142	3.96	49.6	98

What is the average amount (in ₹) paid by the company on fuel and transport per year from 2015 to 2019?

- Ans**
- ☒ 1. 1,17,200
- ☐ 2. 1,16,500
- ☐ 3. 1,18,200
- ☐ 4. 1,15,200

Q.16 If the system of the following equations has the value of the variables as three consecutive integers, then the value of a is _____.

$$x - y + z = 2a$$

$$x + 4y - 2z = 3(4 - a)$$

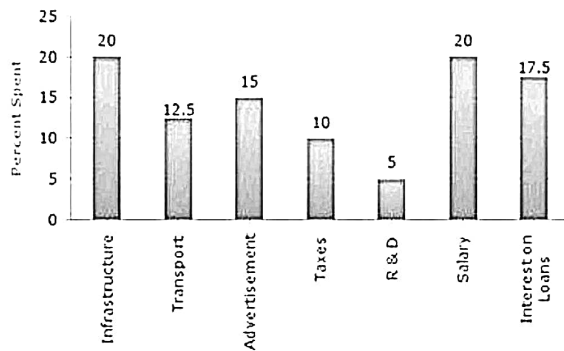
$$2x - 3y + 4z = 6 - 2a$$

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

Q.17

In 2010, a company's total expenditure was categorised under different expense heads, and their percentage distribution is illustrated in the bar graph given below.

Percentage Distribution of Total Expenditure of a Company



If the expenditure on an advertisement is ₹2.1 crore, then the difference between the expenditure on transport and taxes is?

- Ans**
- ☒ 1. ₹32 lakh
 - ☒ 2. ₹42 lakh
 - ☒ 3. ₹30 lakh
 - ☒ 4. ₹35 lakh

Q.18 At what angle θ , the value of $\sin(\theta)$ and $\cos(\theta)$ will have the same value?

- Ans**
- ☒ 1. 45°
 - ☒ 2. 30°
 - ☒ 3. 60°
 - ☒ 4. 75°

Q.19 The given table shows the number of televisions that were sold by different showrooms in years 2015 to 2019.

Year/Showroom	A	B	C	D
2015	212	200	205	208
2016	210	215	225	220
2017	190	204	212	205
2018	198	212	222	224
2019	218	192	205	203

Find the difference between the sale of televisions from showrooms A, B and C in 2017 and the sale of televisions from showrooms B, C and D in 2019?

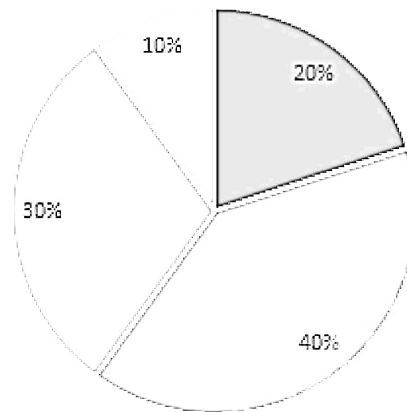
- Ans**
- ☒ 1. 8
 - ☒ 2. 5
 - ☒ 3. 6
 - ☒ 4. 3

Q.20 In a circle with centre O, AOC is the diameter. B is a point on the circumference of the circle such that arc AB is $\frac{1}{5}$ of the arc BC. What is the degree measure of $\angle BOC$?

- Ans**
- ☒ 1. 120°
 - ☒ 2. 150°
 - ☒ 3. 80°
 - ☒ 4. 30°

Q.21 Study the given pie chart and select the most appropriate option to fill in the blank.
The given pie chart shows the sales of different fruits in a day for a shop.
If the total number of fruits sold by a fruit seller in a day is 1200, then the number of bananas sold is ____.

Sale of fruits



■ Apples ■ Bananas ■ Oranges ■ Sweet lime

- Ans**
- ☒ 1. 360
 - ☒ 2. 520
 - ☒ 3. 240
 - ☒ 4. 480

Q.22 A circular arc whose radius is 24 cm makes an angle of 60° at the centre. The perimeter of the sector formed is:
(Use $\pi = 3.14$)

- Ans**
- ☒ 1. 73.22 cm
 - ☒ 2. 63.12 cm
 - ☒ 3. 74.32 cm
 - ☒ 4. 73.12 cm

Q.23 If $3 \sin A + 4 \cos A = 5$, then the value of $\tan A$ is:

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

Q.24 A motorboat travelling at some speed can cover 24 km upstream and 40 km downstream in 17 hours. At the same speed it can travel 32 km downstream and 12 km upstream in 10 hours. The speed of the stream is:

- Ans**
- ☐ 1. 5 km/h
 - ☐ 2. 4 km/h
 - ☐ 3. 2 km/h
 - ☒ 4. 3 km/h

Q.25 If $\triangle ABC$ and $\triangle QPR$ are congruent triangles such that $AB = 7$ cm, $AC = 8$ cm, $\angle B = 65^\circ$ and $\angle C = 75^\circ$, then which of the following is true?

- Ans**
- ☐ 1. $\angle R = 75^\circ$ and $PQ = 8$ cm
 - ☒ 2. $PQ = 7$ cm and $\angle R = 75^\circ$
 - ☐ 3. $\angle Q = 40^\circ$ and $RQ = 7$ cm
 - ☐ 4. $AC = PR$ and $\angle P = 65^\circ$

Section : English Comprehension

Q.1 Select the **INCORRECTLY** spelt word.

- Ans**
- ☐ 1. Conscientious
 - ☒ 2. Mischievious
 - ☐ 3. Ostentatious
 - ☐ 4. Accommodate

Q.2 Select the correctly spelt word to fill in the blank.

Helium is used with oxygen for asthma treatment because it _____ very easily.

- Ans**
- ☐ 1. difusez
 - ☐ 2. difuses
 - ☒ 3. diffuses
 - ☐ 4. diffuzes

Q.3 Select the most appropriate synonym of the given word.
Exceptional

- Ans**
- ☐ 1. Trivial
 - ☐ 2. Emotional
 - ☐ 3. Total
 - ☒ 4. Outstanding

Q.4 Select the sentence in which the '-ing' form of verb expresses the continuity of an action/event.

- Ans**
- ☐ 1. Reading novels is my favourite pastime.
 - ☐ 2. I am fond of reading science fiction.
 - ☒ 3. Please do not disturb me. I am preparing for exams.
 - ☐ 4. The optician advised me to use reading glasses.

Q.5 Select the option that can be used as a one-word substitute for the given group of words.

One who eats the flesh of his own species

- Ans**
- ☐ 1. Non-vegetarian
 - ☐ 2. Vegan
 - ☒ 3. Cannibal
 - ☐ 4. Mammal

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

The appearance of most of the animals in jungle is deceptive in nature.

- Ans**
- ☒ 1. honest
 - ☐ 2. illusive
 - ☐ 3. ugly
 - ☐ 4. beautiful

Q.7 Select the option that expresses the given sentence in passive voice.

Dipesh will send Rakesh away to college for certain reasons.

- Ans**
- ☐ 1. Rakesh will have to be sent away to college for certain reasons by Dipesh.
 - ☒ 2. Rakesh will be sent away to college for certain reasons by Dipesh.
 - ☐ 3. Rakesh would have been sent away to college for certain reasons by Dipesh.
 - ☐ 4. Rakesh would be sent away to college for certain reasons by Dipesh.

Q.8 Select the most appropriate **ANTONYM** of the underlined word.

The long-standing feud between the two villages was settled due to the intervention of the two chiefs.

- Ans**
- ☐ 1. Humility
 - ☒ 2. Harmony
 - ☐ 3. Humble
 - ☐ 4. Honesty

Q.9 Select the most appropriate synonym of the given word.

Forsake

- Ans**
- ☐ 1. Accelerate
 - ☐ 2. Reveal
 - ☒ 3. Abandon
 - ☐ 4. Clutch

Q.10 Select the most appropriate homophone to fill in the blank.

He _____ his bike as fast as he could to reach home.

- Ans**
- ☒ 1. rode
 - ☐ 2. road
 - ☐ 3. rowed
 - ☐ 4. rote

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Sivamani is working as an electrician for the past 22 years.

- Ans**
- ☐ 1. had been worked
 - ☒ 2. has been working
 - ☐ 3. have been working
 - ☐ 4. would work

Q.12 Select the most appropriate idiom to fill the blank in the given situation.

I thought Sadhna would always stick by me, but when I got into trouble, she turned out to be a/an _____.

- Ans**
- ☐ 1. hard nut to crack
 - ☐ 2. open secret
 - ☒ 3. fair-weather friend
 - ☐ 4. white elephant

Q.13 Select the most appropriate option to substitute the underlined word segment in the given sentence.
Her thinning grey hair was hanging on her bony forehead.

- Ans**
- ☐ 1. falling about
 - ☐ 2. urging ahead
 - ☒ 3. straggling over
 - ☐ 4. sinking from

Q.14 Select the option that can be used as a one-word substitute for the underlined segment.
My father always tells amusing and true stories from his childhood at bedtime.

- Ans**
- ☒ 1. anecdotes
 - ☐ 2. sonnets
 - ☐ 3. fables
 - ☐ 4. allegories

Q.15 Select the option that spots the error in the use of preposition in the given sentence.

Deepa and Seema are both good with running, but Deepa is also good at catching the ball and throwing it to the right corner in time.

- Ans**
- ☐ 1. to the right corner.
 - ☐ 2. at catching the ball
 - ☒ 3. good with running
 - ☐ 4. in time

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

An intense wish to learn something keeps the nerves active.

- Ans**
- ☒ 1. powerful
 - ☐ 2. fixed
 - ☐ 3. lazy
 - ☐ 4. half-hearted

Q.17 Select the most appropriate option that can substitute the idiom in the given brackets.

His PhD degree seems to be (Penelope's web).

- Ans**
- ☐ 1. An important task
 - ☐ 2. A difficult task
 - ☐ 3. A secret task
 - ☒ 4. An endless task

Q.18 Select the option that can be used as a one-word substitute for the underlined group of words.
Humour that describes the weaknesses of the other person is itself a crime among peer groups.

- Ans**
- ☐ 1. A joke
 - ☐ 2. Attire
 - ☒ 3. Satire
 - ☐ 4. A curse

Q.19 Select the option that expresses the given sentence in active voice.

Why are you repeatedly called by her?

- Ans**
- ☐ 1. Why she calls you repeatedly?
 - ☐ 2. Why had she called you repeatedly?
 - ☐ 3. Why was she calling you repeatedly?
 - ☒ 4. Why does she call you repeatedly?

Q.20 Select the most appropriate ANTONYM of the given word.

Autonomy

- Ans**
- ☒ 1. Dependence
 - ☐ 2. Permanence
 - ☐ 3. Independence
 - ☐ 4. Economical

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.

The limbs of the flying squirrel are interlinked with a membrane. When the creature (1)_____ into the air, the membrane opens and the squirrel seems to (2)_____ swiftly downwards. This movement gives the (3)_____ of flight. However, it is not flying really. It is a (4)_____ in the air from a higher level. It is also noteworthy that a squirrel cannot (5)_____ its direction while it is in flying mode.

SubQuestion No : 21

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

- Ans**
- ☐ 1. spring
 - ☐ 2. cross
 - ☐ 3. hurdle
 - ☒ 4. leaps

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.

The limbs of the flying squirrel are interlinked with a membrane. When the creature (1)_____ into the air, the membrane opens and the squirrel seems to (2)_____ swiftly downwards. This movement gives the (3)_____ of flight. However, it is not flying really. It is a (4)_____ in the air from a higher level. It is also noteworthy that a squirrel cannot (5)_____ its direction while it is in flying mode.

SubQuestion No : 22

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

- Ans**
- ☐ 1. skate
 - ☐ 2. skim
 - ☐ 3. wheel
 - ☒ 4. glide

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.

The limbs of the flying squirrel are interlinked with a membrane. When the creature (1)_____ into the air, the membrane opens and the squirrel seems to (2)_____ swiftly downwards. This movement gives the (3)_____ of flight. However, it is not flying really. It is a (4)_____ in the air from a higher level. It is also noteworthy that a squirrel cannot (5)_____ its direction while it is in flying mode.

SubQuestion No : 23

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

- Ans**
- ☐ 1. affect
 - ☐ 2. suspicion
 - ☐ 3. fancy
 - ☒ 4. impression

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.

The limbs of the flying squirrel are interlinked with a membrane. When the creature (1)_____ into the air, the membrane opens and the squirrel seems to (2)_____ swiftly downwards. This movement gives the (3)_____ of flight. However, it is not flying really. It is a (4)_____ in the air from a higher level. It is also noteworthy that a squirrel cannot (5)_____ its direction while it is in flying mode.

SubQuestion No : 24

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

- Ans**
- ☒ 1. progress
 - ☒ 2. motion
 - ☒ 3. sign
 - ☒ 4. wave

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.

The limbs of the flying squirrel are interlinked with a membrane. When the creature (1)_____ into the air, the membrane opens and the squirrel seems to (2)_____ swiftly downwards. This movement gives the (3)_____ of flight. However, it is not flying really. It is a (4)_____ in the air from a higher level. It is also noteworthy that a squirrel cannot (5)_____ its direction while it is in flying mode.

SubQuestion No : 25

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

- Ans**
- ☒ 1. adopt
 - ☒ 2. replace
 - ☒ 3. adept
 - ☒ 4. swap