

Section : General Awareness

Q.1 The Sepoy Mutiny in India started from _____.

- Ans
- ☒ 1. Meerut
 - ☐ 2. Rajkot
 - ☐ 3. Bareilly
 - ☐ 4. Champaran

Q.2 Which of the following stars is nearest to the sun?

- Ans
- ☐ 1. Sirius
 - ☒ 2. Proxima Centauri
 - ☐ 3. Deneb
 - ☐ 4. Betelgeuse

Q.3 Vijay Hazare was a famous Indian player associated with the sport of _____.

- Ans
- ☐ 1. Boxing
 - ☐ 2. Football
 - ☐ 3. Rifle Shooting
 - ☒ 4. Cricket

Q.4 Marfati' songs are traditional folk songs of _____.

- Ans
- ☐ 1. Afghanistan
 - ☐ 2. Nepal
 - ☐ 3. Pakistan
 - ☒ 4. Bangladesh

Q.5 The demand for a commodity or service which is a consequence of the demand for something else is called _____.

- Ans
- ☒ 1. Direct Demand
 - ☒ 2. Composite Demand
 - ☒ 3. Derived Demand
 - ☒ 4. Income Demand

Q.6 Which scientist discovered the 'Penicillin'?

- Ans
- ☒ 1. Alexander Fleming
 - ☒ 2. Louis Pasteur
 - ☒ 3. Ernst Chain
 - ☒ 4. Robert Koch

Q.7 Name the national bird of Bhutan.

- Ans
- ☒ 1. Parrot
 - ☒ 2. Magpai
 - ☒ 3. Peacock
 - ☒ 4. Raven

Q.8 In India, 24th January is observed as which one of the following days?

- Ans
- ☒ 1. National Farmer's Day
 - ☒ 2. National Day of Elderly
 - ☒ 3. National Girl Child Day
 - ☒ 4. National Agricultural Day

Q.9 Who was the Indian Army Chief at the time of Bangladesh Liberation War?

- Ans
- ☒ 1. Sam Manekshaw
 - ☒ 2. K M Cariappa
 - ☒ 3. Rob Lockhart
 - ☒ 4. Roy Bucher

Q.10 Who among the following wrote the book 'A History of the Sikhs'?

- Ans
- ☒ 1. Khushwant Singh
 - ☐ 2. Bhai Vir Singh
 - ☐ 3. Gurbachan Singh Talib
 - ☐ 4. Amrita Pritam

Q.11 Which of the following authors received the Jnanpith Award in 2018?

- Ans
- ☐ 1. Kiran Desai
 - ☐ 2. Vikram Seth
 - ☒ 3. Amitav Ghosh
 - ☐ 4. Arundhati Roy

Q.12 The energy derived from the heat of Earth is called _____.

- Ans
- ☐ 1. Solar Energy
 - ☒ 2. Geothermal Energy
 - ☐ 3. Biogas
 - ☐ 4. Tidal Energy

Q.13 Who among the following was named as the Chief Executive Officer of International Cricket Council (ICC) in January 2019?

- Ans
- ☐ 1. N G Khaitan
 - ☐ 2. Anurag Thakur
 - ☒ 3. Manu Sawhney
 - ☐ 4. Saurav Ganguly

Q.14 The summer solstice 2019 in the Northern Hemisphere will occur on _____.

- Ans
- ☐ 1. 20th June
 - ☐ 2. 24th June
 - ☐ 3. 26th June
 - ☒ 4. 21st June

Q.15 Which of the following creatures is oviparous?

- Ans ☒ 1. Frog
☐ 2. Squirrel
☐ 3. Rabbit
☐ 4. Mouse

Q.16 What is the term of the elected representatives of a Gram Panchayat?

- Ans ☐ 1. 2 years
☒ 2. 5 years
☐ 3. 4 years
☐ 4. 3 years

Q.17 Which of the following is the smallest bird in the world?

- Ans ☐ 1. Finch
☐ 2. Robin
☒ 3. Bee Hummingbird
☐ 4. Diamond Firetail

Q.18 The term 'cherry picking' is used in which sport?

- Ans ☒ 1. Basketball
☐ 2. Table Tennis
☐ 3. Cricket
☐ 4. Swimming

Q.19 Which article of the Constitution of India talks about the provisions for impeachment of the President of India?

- Ans ☐ 1. Article 51
☐ 2. Article 63
☐ 3. Article 54

Q.20 In which year was the East India Company incorporated for the exploitation of trade with East and Southeast Asia and India?

- Ans
- ☒ 1. 1596
 - ☒ 2. 1605
 - ☒ 3. 1600
 - ☒ 4. 1612

Q.21 Which of the following acids is present in ant bites?

- Ans
- ☒ 1. Nitric acid
 - ☒ 2. Formic acid
 - ☒ 3. Perchloric acid
 - ☒ 4. Malic acid

Q.22 Jorwe culture' was a Chalcolithic archaeological site located in the present day Indian state of _____.

- Ans
- ☒ 1. Maharashtra
 - ☒ 2. Gujarat
 - ☒ 3. Bihar
 - ☒ 4. Assam

Q.23 Fertile riverine alluvial soil is best suited for producing _____.

- Ans
- ☒ 1. tea
 - ☒ 2. rice
 - ☒ 3. cotton
 - ☒ 4. Corn

Q.24 Which economist gave the theory of Opportunity Cost?

- Ans
- ☒ 1. John Keynes

- ☒ 2. Milton Friedman
- ☒ 3. Adam Smith
- ☒ 4. Gottfried Haberler

Q.25 Identify the foreigner who has been conferred the second highest civilian award in India, Padma Vibhushan for 'exceptional and distinguished service' in 2019.

Ans ☒ 1. Ismail Omar Guelleh

- ☒ 2. Kader Khan
- ☒ 3. Pravin Gordhan
- ☒ 4. John Chambers

Section : English Comprehension

Q.1 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. But they faced grave danger if they tried to criticize these decisions.
- B. The nationalists now began to openly criticize the policies of the British.
- C. The freedom movement changed this situation.
- D. Under colonial rule, the people had lived in fear of the British government and did not agree with many of the decisions that they took.

- Ans
- ✓ 1. DACB
 - ✗ 2. CBAD
 - ✗ 3. BADC
 - ✗ 4. DBAC

Q.2 Select the correctly spelt word.

- Ans
- ✗ 1. tuttion
 - ✗ 2. tuetion
 - ✓ 3. tuition
 - ✗ 4. tution

Q.3 Select the word which means the same as the group of words given.

One who is a great lover of books

- Ans
- ☒ 1. pedophile
 - ☒ 2. xenophile
 - ☒ 3. bibliophile
 - ☒ 4. hemophile

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

DEFER

- Ans
- ☒ 1. dread
 - ☒ 2. dictate
 - ☒ 3. delay
 - ☒ 4. despair

Q.5 Select the correct passive form of the given sentence.

The sailors had never encountered such a rough sea.

- Ans
- ☒ 1. Such a rough sea was never encountered by the sailors.
 - ☒ 2. Such a rough sea has never been encountered by the sailors.
 - ☒ 3. Such a rough sea is never encountered by the sailors.
 - ☒ 4. Such a rough sea had never been encountered by the sailors.

Q.6 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. The brain is active too during sleep, sending messages for the heart to beat regularly.
- B. However, the body utilizes the sleeping time effectively.
- C. We spend about one third of our time sleeping.
- D. It produces energy and releases hormones for repair and growth during the night.

- Ans
- ☒ 1. CABD
 - ☒ 2. ABDC
 - ☒ 3. CBDA
 - ☒ 4. BADC

Q.7 Select the most appropriate option to fill in the blank.

The committee reached _____ decision regarding the appointment of the chairman.

- Ans
- ☒ 1. a unanimous
 - ☐ 2. a compatible
 - ☐ 3. an exemplary
 - ☐ 4. an agreeable

Q.8 Select the correct active form of the given sentence.

We will all be greatly benefitted by this scheme.

- Ans
- ☐ 1. This scheme is going to greatly benefit us all.
 - ☐ 2. This scheme has greatly benefitted us all.
 - ☒ 3. This scheme will greatly benefit us all.
 - ☐ 4. This scheme would greatly benefit we all.

Q.9 In the sentence identify the segment which contains the grammatical error.

There isn't many rice left in the house so we must replenish our stock soon.

- Ans
- ☒ 1. There isn't many rice
 - ☐ 2. left in the house
 - ☐ 3. our stock soon
 - ☐ 4. so we must replenish

Q.10 Select the most appropriate meaning of the underlined idiom in the given sentence.

Due to increased number of lay offs in the industry, the sword of Damocles is always hanging over the employees.

- Ans
- ☒ 1. a constant threat
 - ☐ 2. strict rules and regulations
 - ☐ 3. threat of physical harm
 - ☐ 4. an ill omen of death

Q.11 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Knowing the particular things that motivate each person help you add power to their motivation.

- Ans
- ☒ 1. help you to add power
 - ☒ 2. help you adding power
 - ☒ 3. No improvement
 - ☒ 4. helps you add power

Q.12 Select the most appropriate synonym of the given word.

PERPLEX

- Ans
- ☒ 1. deceive
 - ☒ 2. bewilder
 - ☒ 3. surprise
 - ☒ 4. complex

Q.13

In the sentence identify the segment which contains the grammatical error.

Ten kilometres are a long distance to cover on foot for a child.

- Ans
- ☒ 1. Ten kilometres are
 - ☒ 2. to cover on foot
 - ☒ 3. for a child
 - ☒ 4. a long distance

Q.14 Select the most appropriate antonym of the given word.

MEAGRE

- Ans
- ☒ 1. premium
 - ☒ 2. plentiful
 - ☒ 3. scanty
 - ☒ 4. inadequate

Q.15 Select the correctly spelt word.

- Ans
- ☒ 1. privilege
 - ☒ 2. peivaillege
 - ☒ 3. previledge

☒ 4. previllage

Q.16 Select the most appropriate meaning of the underlined idiom in the given sentence.

True friends stay by our side through thick and thin.

Ans ☒ 1. under all circumstances

☒ 2. in difficult times

☒ 3. in different weathers

☒ 4. in happy moments

Q.17 Select the most appropriate antonym of the given word.

ARROGANCE

Ans ☒ 1. sweetness

☒ 2. humility

☒ 3. superiority

☒ 4. vanity

Q.18 Select the word which means the same as the group of words given.

A fictitious name used by an author

Ans ☒ 1. pseudonym

☒ 2. homonym

☒ 3. alibi

☒ 4. anonymous

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)_____ the hotel and joined the large crowd milling (2)_____. He found a badge waiting for him (3)_____ the receptionist's table and took his (4)_____ in the rear of the hall. When the place was (5)_____ the moderator welcomed the crowd.

SubQuestion No : 19

Q.19 Select the most appropriate option to fill in blank No.1.

Ans ☒ 1. entered

☒ 2. accessed

☒ 3. admitted

☒ 4. invaded

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)_____ the hotel and joined the large crowd milling (2)_____. He found a badge waiting for him (3)_____ the receptionist's table and took his (4)_____ in the rear of the hall. When the place was (5)_____ the moderator welcomed the crowd.

SubQuestion No : 20

Q.20 Select the most appropriate option to fill in blank No.2.

Ans ☒ 1. aside

☒ 2. about

☒ 3. out

☒ 4. into

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)_____ the hotel and joined the large crowd milling (2)_____. He found a badge waiting for him (3)_____ the receptionist's table and took his (4)_____ in the rear of the hall. When the place was (5)_____ the moderator welcomed the crowd.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank No.3.

Ans ☒ 1. by

☒ 2. at

☒ 3. in

☒ 4. over

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)_____ the hotel and joined the large crowd milling (2)_____. He found a badge waiting for him (3)_____ the receptionist's table and took his (4)_____ in the rear of the hall. When the place was (5)_____ the moderator welcomed the crowd.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank No.4.

- Ans
- ☒ 1. stand
 - ☒ 2. couch
 - ☒ 3. seat
 - ☒ 4. lounge

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Leaving his car with the valet, he (1)_____ the hotel and joined the large crowd milling (2)_____. He found a badge waiting for him (3)_____ the receptionist's table and took his (4)_____ in the rear of the hall. When the place was (5)_____ the moderator welcomed the crowd.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank No.5.

- Ans
- ☒ 1. empty
 - ☒ 2. stuffed
 - ☒ 3. completed
 - ☒ 4. filled

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

She got a lucrative job of a translator because she was _____ in French.

- Ans
- ☒ 1. deficient
 - ☒ 2. proficient
 - ☒ 3. efficient
 - ☒ 4. sufficient

Q.25 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Your coming home to dinner on time should be a rule rather the exception.

- Ans
- ☒ 1. No improvement
 - ☒ 2. shall be a rule rather than a exception
 - ☒ 3. should be the rule rather than the exception
 - ☒ 4. should be a rule rather being the exception

CGLE- Combined Graduate Level Tier-I, 2018 Examination

Section : General Intelligence and Reasoning

Q.1 Choose the Venn diagram from the given options which best represents the relationship amongst the following classes:

Wheat, Mustard, Cabbage

Ans

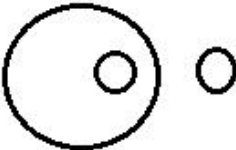
☒ 1.



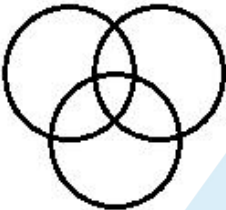
☒ 2.



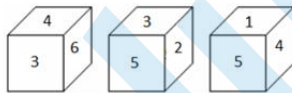
☒ 3.



☒ 4.



Q.2 Three different positions of a dice are shown below. Which number appears on the face opposite the number 6?



Ans

☒ 1. 4

☒ 2. 2

☒ 3. 1

☒ 4. 5

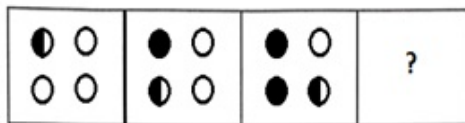
Q.3

Select the term that will come next in the following series.

OBE, PDH, QFK, RHN, ?

- Ans
- ☒ 1. RJQ
 - ☒ 2. SJQ
 - ☒ 3. SJP
 - ☒ 4. SKQ

Q.4 Select the figure that will come next in the following figure series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.5 Arrange the following words in a logical and meaningful order.

- 1) Write
- 2) Publish
- 3) Author
- 4) Reader
- 5) Sale

- Ans
- ☒ 1. 3, 2, 1, 5, 4
 - ☒ 2. 4, 3, 1, 2, 5
 - ☒ 3. 1, 3, 2, 5, 4
 - ☒ 4. 3, 1, 2, 5, 4

Q.6 At a party, the number of girls is half the number of boys. After an hour, five boys leave the party and three girls join the party. How many people were present at the party an hour before?

- Ans
- ☒ 1. 8
 - ☒ 2. 24
 - ☒ 3. 22
 - ☒ 4. 16

Q.7 Select the word pair in which the two words are related in the same way as the two words in the following word-pair.

Brass : Copper

- Ans
- ☒ 1. Solder : Tin
 - ☒ 2. Nickle : Iron
 - ☒ 3. Chromium : Silver
 - ☒ 4. Bronze : Gold

Q.8 In a code language, NEEDLE is written as MFDEKF. How will HAMMER be written in the same language?

- Ans
- ☒ 1. GALNDS
 - ☒ 2. GBLNFT
 - ☒ 3. IBLNDS
 - ☒ 4. GBLNDS

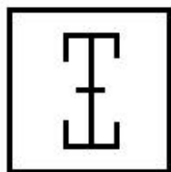
Q.9 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans
- ☒ 1. NOR
 - ☒ 2. KLJ
 - ☒ 3. FGE
 - ☒ 4. YZX

Q.10 Priyank is Akshay's brother. Sonia is Saksham's sister. Akshay is Sonia's son. How is Priyank related to Sonia?

- Ans ☒ 1. Son
☒ 2. Nephew
☒ 3. Father
☒ 4. Brother

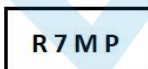
Q.11 Select the figure in which the given figure is embedded.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Q.12 Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



Ans

✗ 1.

Я M 7 P

✓ 2.

Я 7 M P

✗ 3.

Я 7 M P

✗ 4.

Я M 7 P

Q.13 Select the terms that will replace the ? in the following series.

Z, X, V, ?, R, P, ?

Ans

✗ 1.

S, O

✗ 2.

T, O

✓ 3.

T, N

✗ 4.

S, N

Q.14 Select the term that will come next in the following series.

57, 62, 31, 36, 18, ?

Ans

✗ 1.

34

✓ 2.

23

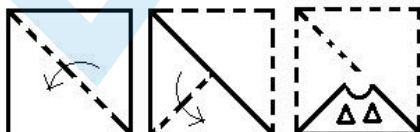
✗ 3.

36

✗ 4.

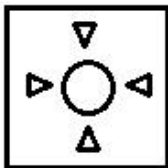
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Q.15 A square paper is folded and cut as shown below. How will it appear when unfolded?

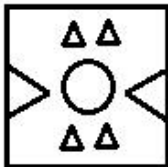


Ans

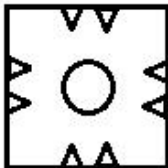
✗ 1.



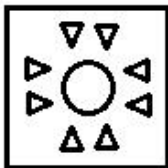
✗ 2.



✗ 3.



✓ 4.



Q.16 Find the missing number from the below options.

17 22 37

23 28 43

16 ? 36

Ans

✗ 1. 32

✓ 2. 21

✗ 3. 12

✗ 4. 34

Q.17 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

✗ 1. Radium

✗ 2. Uranium

✗ 3. Thorium

✓ 4. Sodium

Q.18 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

- Ans**
- ☒ 1. 17-37
 - ☒ 2. 65-101
 - ☒ 3. 49-82
 - ☒ 4. 26-50

Q.19 Find the missing number from the below options.

4 3 19

6 4 40

9 9 ?

- Ans**
- ☒ 1. 72
 - ☒ 2. 90
 - ☒ 3. 80
 - ☒ 4. 100

Q.20 Two 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 conclusions logically follow(s) from the statements.

Statements:

All teachers are painters.
Some painters are rich.

Conclusions:

I. All painters are teachers.
II. Some rich are not painters.

- Ans**
- ☒ 1. Only conclusion II follows
 - ☒ 2. Either conclusion I or II follows
 - ☒ 3. Neither conclusion I nor II follows
 - ☒ 4. Only conclusion I follows

Q.21 If AU = 21 and EGG = 245, then how will you code BAKE?

- Ans**
- ☒ 1. 155
 - ☒ 2. 110
 - ☒ 3. 19

~~X~~ 4. 75

Q.22 Select the option that is related to the third number in the same way as the second number is related to the first number.

2139 : 3246 :: 4262 : _____.

- Ans ☒ 1. 2471
~~X~~ 2. 1461
~~X~~ 3. 2371
~~X~~ 4. 2483

Q.23 'Cheerful' is related to 'Sad' in the same way as 'Generous' is related to _____.

- Ans ☒ 1. Selfish
~~X~~ 2. Kind
~~X~~ 3. Gloomy
~~X~~ 4. Intelligent

Q.24 How many triangles are there in the following figure?



- Ans ~~X~~ 1. 32
☒ 2. 30
~~X~~ 3. 16
~~X~~ 4. 22

Q.25 Which two signs should be interchanged in the following equation to make it correct?

$$24 \div 8 - 5 \times 5 + 3 = 13$$

- Ans ~~X~~ 1. \times and $-$
~~X~~ 2. \div and \times

✓ 3. \times and $+$

✗ 4. \div and $+$

Section : Quantitative Aptitude

Q.1 If $\tan 4\theta = \cot(2\theta + 30^\circ)$, then θ is equal to:

- Ans
- ☒ 1. 20°
 - ☒ 2. 25°
 - ☒ 3. 10°
 - ☒ 4. 15°

Q.2 If $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{6}$, then $x^2 + \frac{1}{x^2}$ is equal to:

- Ans
- ☒ 1. 62
 - ☒ 2. 14
 - ☒ 3. 36
 - ☒ 4. 16

Q.3 The radii of two circular faces of the frustum of a cone of height 21 cm are 3 cm and 2 cm respectively. What is the volume of the frustum of the cone in cm^3 ($\pi = \frac{22}{7}$)?

- Ans
- ☒ 1. 418
 - ☒ 2. 345
 - ☒ 3. 154
 - ☒ 4. 286

Q.4 The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

If a pie-chart is drawn representing the number of students in all five colleges, what is the central angle (correct to the nearest whole number) of the sector representing the students of college B?

- Ans
- ☒ 1. 82°
 - ☒ 2. 84°
 - ☒ 3. 86°
 - ☒ 4. 80°

Q.5 In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 25^\circ$, then $\angle CAD$ is equal to:

- Ans
- ☒ 1. 65°
 - ☒ 2. 40°
 - ☒ 3. 25°
 - ☒ 4. 45°

Q.6 Chords AB and CD of a circle, when produced, meet at a point P outside the circle. If AB = 6 cm, CD = 3 cm and PD = 5 cm, then PB is equal to:

- Ans
- ☒ 1. 6.25 cm
 - ☒ 2. 4 cm
 - ☒ 3. 5 cm
 - ☒ 4. 6 cm

Q.7 If $\cot \theta = \frac{3}{4}$, then $\sin \theta + \cos \theta - \tan \theta$ is equal to:

- Ans
- ☒ 1. $\frac{1}{15}$
 - ☒ 2. $\frac{1}{20}$
 - ☒ 3. $\frac{2}{15}$

✗ 4. $-\frac{1}{20}$

Q.8 If $a + b = 5$ and $ab = 3$, then $(a^3 + b^3)$ is equal to:

- Ans
- ✗ 1. 65
 - ✗ 2. 70
 - ✓ 3. 80
 - ✗ 4. 75

Q.9 A train without stoppage travels with an average speed of 65 km/h and with stoppage, it travels with an average speed of 52 km/h. For how many minutes does the train stop on an average per hour?

- Ans
- ✓ 1. 12
 - ✗ 2. 14
 - ✗ 3. 13
 - ✗ 4. 15

Q.10 The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

What percentage of total students are studying in the commerce stream in all five colleges together?

- Ans
- ✓ 1. 30%
 - ✗ 2. 28%
 - ✗ 3. 32%
 - ✗ 4. 33%

Q.11 A is 40% more efficient than B and C is 20% less efficient than B. Working together, they can finish a task in 15 days. In how many days, will B alone complete 75% of the task?

- Ans
- ✗ 1. 32
 - ✗ 2. 48
 - ✗ 3. 44

Q.12 The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

What percentage of students in college B is studying in the science stream, (correct to one decimal place)?

- Ans
- ✗ 1. 29.8%
 - ✓ 2. 29.2%
 - ✗ 3. 29.4%
 - ✗ 4. 29.6%

Q.13 An article is sold for ₹657.90 after successive discounts of 15 % and 10 % . What is the marked price of the article?

- Ans
- ✗ 1. ₹900
 - ✓ 2. ₹860
 - ✗ 3. ₹920
 - ✗ 4. ₹880

Q.14 If $a + b + c = 8$ and $ab + bc + ca = 12$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

- Ans
- ✗ 1. 192
 - ✓ 2. 224
 - ✗ 3. 144
 - ✗ 4. 400

Q.15 The value of $\sec^2 28^\circ - \cot^2 62^\circ + \sin^2 60^\circ + \operatorname{cosec}^2 30^\circ$ is equal to:

- Ans
- ✓ 1. $\frac{23}{4}$
 - ✗ 2. $\frac{19}{4}$

☒ 3. $\frac{7}{2}$

☒ 4. 3

Q.16 Two articles are sold for ₹10,005 each. On one, the seller gains 15% and on the other, he loses 13%. What is his overall gain or loss percent, correct to two decimal places?

Ans ☒ 1. 0.94% gain

☒ 2. 1.42% gain

☒ 3. 1.42% loss

☒ 4. 0.94% loss

Q.17 If $a:b = 5:3$, then $(8a - 5b):(8a + 5b)$ is equal to:

Ans ☒ 1. 3 : 11

☒ 2. 2 : 5

☒ 3. 3 : 13

☒ 4. 5 : 11

Q.18 The average marks of 45 students was found to be 66. If the marks of two students were incorrectly entered as 28 and 64 instead of 82 and 46 respectively, then what is the correct average?

Ans ☒ 1. 66.6

☒ 2. 66.8

☒ 3. 66.4

☒ 4. 67.2

Q.19 The value of:

$$2.8 + (5.2 \div 1.3 \times 2) - 6 \times 3 \div 8 + 2$$

Ans ☒ 1. 10.55

☒ 2. 6.45

☒ 3. 8.45

☒ 4. 4.55

Q.20 In $\triangle ABC$, AD is a median and P is a point on AD such that $AP : PD = 3 : 4$. Then $\text{ar}(\triangle APB) : \text{ar}(\triangle ABC)$ is equal to:

- Ans**
- ☒ 1. $2 : 7$
 - ☒ 2. $3 : 14$
 - ☐ 3. $3 : 4$
 - ☐ 4. $3 : 7$

Q.21 What is the least value of x such that $517x324$ is divisible by 12?

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

Q.22 The following table indicates the number of students studying in three disciplines in five colleges:

Disciplines	Colleges				
	A	B	C	D	E
Science	300	350	275	400	275
Commerce	250	400	325	275	250
Economics	400	450	250	300	500

What is the ratio of the total number of students studying in the science stream to that of studying in commerce stream in all five colleges taken together?

- Ans**
- ☒ 1. $16 : 15$
 - ☐ 2. $16 : 19$
 - ☐ 3. $14 : 15$
 - ☐ 4. $19 : 15$

Q.23 $\triangle ABC \sim \triangle QRP$ and $PQ = 6$ cm, $QR = 8$ cm and $PR = 10$ cm. If $\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 1 : 4$, then AB is equal to:

- Ans**
- ☒ 1. 4 cm
 - ☐ 2. 5 cm
 - ☐ 3. 3 cm
 - ☐ 4. 2 cm

Q.24 The price of sugar is increased by 22 % . A person wants to increase his expenditure by 12 % only. By what percent should he decrease his consumption, nearest to one decimal place?

- Ans**
- ☒ 1. 7.8%
 - ☒ 2. 8.2%
 - ☒ 3. 8.6%
 - ☒ 4. 10%

Q.25 The difference between the compound interest and simple interest on ₹ x at 8.5% per annum for 2 years is ₹28.90. The value of x is:

- Ans**
- ☒ 1. 4000
 - ☒ 2. 3800
 - ☒ 3. 4500
 - ☒ 4. 3500

- Ans
- ☐ 1. Stefan-Boltzmann Law
 - ☐ 2. Newton's Law
 - ☒ 3. Pascal's Law
 - ☐ 4. Hooke's Law

Q.2 Which of the following is the chemical name of baking soda?

- Ans
- ☐ 1. Sulphate
 - ☒ 2. Sodium hydrogen carbonate
 - ☐ 3. Calcium hydroxide
 - ☐ 4. Sodium carbonate

Q.3 Name the woman of Indian origin who was appointed Chief Executive Officer of PepsiCo in the year 2006.

- Ans
- ☐ 1. Kiran Majumdar Shaw
 - ☐ 2. Kalpana Morparia
 - ☒ 3. Indra Nooyi
 - ☐ 4. Chanda Kochhar

Q.4 'Kandyan Dance' is a typical dance form practiced in _____.

- Ans
- ☐ 1. Nepal
 - ☐ 2. India
 - ☒ 3. Sri Lanka
 - ☐ 4. Bhutan

Q.5 'India of My Dreams' is a compilation of the writings and speeches of _____.

- Ans
- ☐ 1. Dr Rajendra Prasad
 - ☒ 2. Mahatma Gandhi
 - ☐ 3. Jawaharlal Nehru
 - ☐ 4. Sardar Vallabhbhai Patel

Q.6 Which Indian state launched the PRANAM Commission to protect parents of government employees?

- Ans
- ☐ 1. Maharashtra
 - ☐ 2. Punjab
 - ☐ 3. Haryana
 - ☒ 4. Assam

Q.7 In January 2019, _____ became the first Indian state to implement 10% reservation for the economically weaker sections.

- Ans
- ☒ 1. Gujarat
 - ☐ 2. Madhya Pradesh
 - ☐ 3. Tripura
 - ☐ 4. Odisha

Q.8 Who among the following is/was the longest serving prime minister of Bangladesh?

- Ans
- ☒ 1. Sheikh Hasina
 - ☐ 2. Khaleda Zia
 - ☐ 3. Sheikh Mujibur Rahman
 - ☐ 4. Shah Azizur Rahman

Q.9 In which year did the Patharughat Peasant Uprising against the tax policies of British take place in Assam?

- Ans
- ☐ 1. 1873
 - ☐ 2. 1885
 - ☐ 3. 1862
 - ☒ 4. 1894

Q.10 Who among the following was the first president of the Republic of China?

- Ans
- ☐ 1. Li Xiannian
 - ☒ 2. Yuan Shikai
 - ☐ 3. Hu Jintao
 - ☐ 4. Yang Sangkun

Q.11 The Indian badminton player who won the Canadian Open Women's Doubles title in 2015 along with Ashwini Ponnappa was ____.

- Ans ☒ 1. Jwala Gutta
☐ 2. P V Sindhu
☐ 3. Saina Nehwal
☐ 4. P C Tulasi

Question ID : 98958014470
Status : Answered
Chosen Option : 3

Q.12 When the output is equal to zero, the variable cost is ____.

- Ans ☐ 1. maximum
☒ 2. zero
☐ 3. minimum
☐ 4. constant

Question ID : 98958014452
Status : Answered
Chosen Option : 4

Q.13 As per Mankiw's Principles of Economics, the standard of living of a country depends on the country's ____.

- Ans ☐ 1. average wages
☐ 2. government policy
☒ 3. ability to produce goods and services
☐ 4. nominal wages

Question ID : 98958014451
Status : Not Answered
Chosen Option : --

Q.14 In which year did Vasco De Gama land in Calicut (Kozikode)?

- Ans ☒ 1. 1498
☐ 2. 1458
☐ 3. 1472
☐ 4. 1442

Q.15 Which instrument is used to measure the intensity of light produced by an unknown source in terms of a standard source?

- Ans ☐ 1. Ammeter

☒ 2. Dynamometer

☒ 3. Photometer

☒ 4. Calipers

Q.16 Who discovered the first vaccine for smallpox?

Ans ☒ 1. John Hunter

☒ 2. Louis Pasteur

☒ 3. Alexander Fleming

☒ 4. Edward Jenner

Q.17 Which Indian archer won the gold medal in the women's recurve event at the 2018 Hyundai Archery World Cup?

Ans ☒ 1. Bombayla Devi Laishram

☒ 2. Dola Banerjee

☒ 3. Deepika Kumari

☒ 4. Chekrovolu Swuro

Q.18 Identify the unit of measuring intensity of sound.

Ans ☒ 1. Knots

☒ 2. Ampere

☒ 3. Decibels

☒ 4. Candela

Q.19 Who among the following was the first chief minister of Kerala?

Ans ☒ 1. Pattom A Thanu Pillai

☒ 2. E M S Namboodiripad

☒ 3. R Shankar

☒ 4. C Achutha Menon

Q.20 The 'Diphu Pass' which is the tri-junction between India, Myanmar and China is on this Border Line?

- Ans
- ☒ 1. McMahon Line
 - ☐ 2. Durand Line
 - ☐ 3. Radcliffe Line
 - ☐ 4. Palk Strait

Q.21 Kazi Nazrul Islam is the national poet of _____.

- Ans
- ☐ 1. Pakistan
 - ☐ 2. Afghanistan
 - ☒ 3. Bangladesh
 - ☐ 4. Indonesia

Q.22 Manipur, Meghalaya and Tripura became states under _____.

- Ans
- ☐ 1. North Eastern Region New State Act, 1972
 - ☐ 2. North Eastern Republic of India Act, 1972
 - ☐ 3. North Eastern Retention (Reconstruction) Act, 1971
 - ☒ 4. North Eastern Areas (Reorganisation) Act, 1971

Q.23 In January 2019, _____ was named World No.1 boxer by International Boxing Association (AIBA).

- Ans
- ☐ 1. Simranjit Kaur
 - ☐ 2. Lovlina Borgohain
 - ☐ 3. Laishram Sarita Devi
 - ☒ 4. Mary Kom

Q.24 Daringbadi hill station is located in the Indian state of _____.

- Ans
- ☐ 1. Kerala
 - ☒ 2. Odisha
 - ☐ 3. Maharashtra
 - ☐ 4. West Bengal

Q.25 Which of the following is the third highest waterfall in India?

Ans  1. Courtallam Falls

 2. Suruli Falls

 3. Thalaiyar Falls

 4. Agaya Gangai

Section : English Comprehension

Q.1 Select the most appropriate antonym of the given word.

COVETOUS

- Ans
- ☒ 1. avaricious
 - ☒ 2. acquisitive
 - ☒ 3. mercenary
 - ☒ 4. benevolent

Q.2 Select the most appropriate antonym of the given word.

CRUCIAL

- Ans
- ☒ 1. trivial
 - ☒ 2. critical
 - ☒ 3. imperative
 - ☒ 4. pivotal

Q.3 In the sentence identify the segment which contains the grammatical error.

My father dissuaded me to try for a job as he wanted me to pursue higher studies.

- Ans
- ☒ 1. My father dissuaded me
 - ☒ 2. as he wanted me
 - ☒ 3. to pursue higher studies
 - ☒ 4. to try for a job

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

The ship sailed smoothly owing to _____ winds.

- Ans
- ☒ 1. tempestuous
 - ☒ 2. favourable

☒ 3. boisterous

☒ 4. turbulent

Q.5 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Some agitating miners allegation that there is no emergency measures inside the mines.

- Ans
- ☒ 1. miners' allege that there is
 - ☒ 2. No improvement
 - ☒ 3. miners alleged that there were
 - ☒ 4. miner's allegation that there are

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)_____ floods have triggered floods due to sedimentation in the reservoir. The (2)_____ of water from dams during heavy rains aggravated- the flood situation (3)_____ Maharashtra and Gujarat in 2006. The floods (4)_____ not only life and property but also caused soil erosion. Sedimentation (5)_____ the plains of silt, a natural fertilizer.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank No.1

- Ans
- ☒ 1. reduce
 - ☒ 2. control
 - ☒ 3. resist
 - ☒ 4. dominate

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)_____ floods have triggered floods due to sedimentation in the reservoir. The (2)_____ of water from dams during heavy rains aggravated- the flood situation (3)_____ Maharashtra and Gujarat in 2006. The floods (4)_____ not only life and property but also caused soil erosion. Sedimentation (5)_____ the plains of silt, a natural fertilizer.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank No.2

- Ans
- ☒ 1. restraint
 - ☒ 2. collection
 - ☒ 3. release





Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)_____ floods have triggered floods due to sedimentation in the reservoir. The (2)_____ of water from dams during heavy rains aggravated- the flood situation (3)_____ Maharashtra and Gujarat in 2006. The floods (4)_____ not only life and property but also caused soil erosion. Sedimentation (5)_____ the plains of silt, a natural fertilizer.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank No.3

- Ans  1. among
 2. through
 3. along
 4. in

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)_____ floods have triggered floods due to sedimentation in the reservoir. The (2)_____ of water from dams during heavy rains aggravated- the flood situation (3)_____ Maharashtra and Gujarat in 2006. The floods (4)_____ not only life and property but also caused soil erosion. Sedimentation (5)_____ the plains of silt, a natural fertilizer.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank No.4

- Ans  1. devoured
 2. plundered
 3. smashed
 4. devastated

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Ironically, the dams that were constructed to (1)_____ floods have triggered floods due to sedimentation in the reservoir. The (2)_____ of water from dams during heavy rains aggravated- the flood situation (3)_____ Maharashtra and Gujarat in 2006. The floods (4)_____ not only life and property but also caused soil erosion. Sedimentation (5)_____ the plains of silt, a natural fertilizer.

SubQuestion No : 10

Q.10 Select the most appropriate option to fill in blank No.5

- Ans
- ☒ 1. destroyed
 - ☒ 2. deprived
 - ☒ 3. disabled
 - ☒ 4. distributed

Q.11

In the sentence identify the segment which contains the grammatical error.

The length of a male swallow's tail reveal his attractiveness for a female swallow.

- Ans
- ☒ 1. his attractiveness for
 - ☒ 2. The length of
 - ☒ 3. a male swallow's tail reveal
 - ☒ 4. a female swallow

Q.12 Select the correctly spelt word.

- Ans
- ☒ 1. desperete
 - ☒ 2. desparate
 - ☒ 3. disparat
 - ☒ 4. desperate

Q.13 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

The big farmers with deepest tubewells still have water, but many others face a water crisis.

- Ans
- ☒ 1. in deep tubewells
 - ☒ 2. No improvement
 - ☒ 3. through deepest tubewells
 - ☒ 4. with deeper tubewells

Q.14 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. But the rest of the students were rushing past her for a break, like she didn't exist.
- B. She slowly pushed open the library door and took a seat at one of the tables in the corner.
- C. And today, Jessica really felt like maybe she didn't exist.

D. When the bell rang for lunch, Jessica took her lunch box and started moving towards the library.

- Ans ☒ 1. DACB
☒ 2. CADB
☒ 3. DBCA
☒ 4. BDCA

Q.15 Select the most appropriate synonym of the given word.

TACITURN

- Ans ☒ 1. phlegmatic
☒ 2. placid
☒ 3. reticent
☒ 4. talkative

Q.16 Select the most appropriate option to fill in the blank.

A _____ speech is certainly more effective than one which is verbose.

- Ans ☒ 1. laconic
☒ 2. sullen
☒ 3. lengthy
☒ 4. surly

Q.17 Select the correctly spelt word.

- Ans ☒ 1. tution
☒ 2. voilation
☒ 3. affliction
☒ 4. exhibition

Q.18 Select the most appropriate synonym of the given word.

MAMMOTH

- Ans ☒ 1. magnificent
☒ 2. perilous
☒ 3. miniscule

✓ 4. gigantic

Q.19 Select the correct active form of the given sentence.

Heavy taxes have been imposed on luxury items by the government.

- Ans
- ✓ 1. The government has imposed heavy taxes on luxury items.
 - ✗ 2. The government had imposed heavy taxes on luxury items.
 - ✗ 3. The government imposed heavy taxes on luxury items.
 - ✗ 4. The government is imposing heavy taxes on luxury items.

Q.20 Select the word which means the same as the group of words given.

A place where fruit trees are grown

- Ans
- ✗ 1. garden
 - ✗ 2. farm
 - ✓ 3. orchard
 - ✗ 4. plantation

Q.21 Select the most appropriate meaning of the underlined idiom in the given sentence.

A mountaineer has to walk the tight rope as a small slip can prove to be fatal.

- Ans
- ✓ 1. be very cautious
 - ✗ 2. be well trained
 - ✗ 3. be very nervous
 - ✗ 4. be an expert

Q.22 Select the word which means the same as the group of words given.

A place for storing guns and military equipment

- Ans
- ✗ 1. aviary
 - ✗ 2. archive
 - ✗ 3. apiary
 - ✓ 4. arsenal

Q.23 Select the correct passive form of the given sentence.

She never trusted anyone.

- Ans
- ☒ 1. Anyone is not trusted by her.
 - ☒ 2. Her trust was never for anyone.
 - ☒ 3. She was never trusted by anyone.
 - ☒ 4. No one was ever trusted by her

Q.24 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Then, they spread as the unmined coal starts burning with oxygen drawn from pores and mine shafts.
- B. An entire township- Jharia is to be relocated because of the uncontrollable underground fires.
- C. These fires start mostly from burning trash close to coal pits.
- D. This is a grave threat as poisonous fumes of carbon monoxide rise up from underground fires.

- Ans
- ☒ 1. CDAB
 - ☒ 2. BCAD
 - ☒ 3. BDAC
 - ☒ 4. DCAB

Q.25 Select the most appropriate meaning of the underlined idiom in the given sentence.

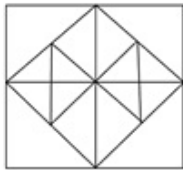
The boss is going to blow his top when he discovers the blatant mistake in the balance sheet.

- Ans
- ☒ 1. be very angry
 - ☒ 2. be very embarrassed
 - ☒ 3. dismiss from job
 - ☒ 4. attack fiercely

CGLE- Combined Graduate Level Tier-I, 2018 Examination

Section : General Intelligence and Reasoning

Q.1 How many triangles are there in the following figure?



- Ans
- ☒ 1. 34
 - ☒ 2. 30
 - ☒ 3. 32
 - ☒ 4. 28

Q.2 Find the missing number from the below options.

6 24 96

7 28 112

13 52 ?

- Ans
- ☒ 1. 142
 - ☒ 2. 232
 - ☒ 3. 116
 - ☒ 4. 208

Q.3 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans
- ☒ 1. GTXC
 - ☒ 2. HSYB
 - ☒ 3. QJUF

✓ 4. DWKO

Q.4 Two 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 conclusions logically follow(s) from the statements.

Statements:

All humans are parents.
All parents are teachers.

Conclusions:

I. Some teachers are parents.
II. Some teachers are humans.

- Ans**
- ✗ 1. Either conclusion I or II follows
 - ✗ 2. Only conclusion II follows
 - ✗ 3. Only conclusion I follows
 - ✓ 4. Both the conclusions follow

Q.5 Select the option that is related to the third word in the same way as the second word is related to the first word.

Potato : Starch :: Stevia : ?

- Ans**
- ✗ 1. Milk
 - ✗ 2. Salt
 - ✓ 3. Sugar
 - ✗ 4. Butter

Q.6 Select the term that will come next in the following series.

2, 7, 17, 32, 52, ?

- Ans**
- ✗ 1. 126
 - ✓ 2. 77
 - ✗ 3. 134
 - ✗ 4. 102

Q.7 Select the option that is related to the third number in the same way as the second number is related to the first number.

9 : 86 :: 13 : _____.

- Ans**
- ✗ 1. 135

☒ 2. 175

☒ 3. 174

☒ 4. 124

Q.8 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

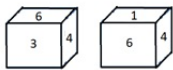
Ans ☒ 1. Earth

☒ 2. Mars

☒ 3. Metis

☒ 4. Jupiter

Q.9 Two different positions of a dice are shown below. Which number appears on the face opposite the number '1'?



Ans ☒ 1. 5

☒ 2. 2

☒ 3. 4

☒ 4. 3

Q.10 If N = 28 and ORE = 76, then how will you code PALE?

Ans ☒ 1. 76

☒ 2. 68

☒ 3. 19

☒ 4. 72

Q.11 In a code language, PAINTER is written as SCLPWGU. How will WRITER be written in the same language?

Ans ☒ 1. ZTLVGV

☒ 2. ZTLVHT

☒ 3. ZTLVHU

☒ 4. YTLVHT

Q.12 Vishal is three times as old as Saksham. After 8 years, he will be two times as old as Saksham. After further 8 years, what will be Vishal's age?

- Ans**
- ☒ 1. 24 years
 - ☒ 2. 32 years
 - ☒ 3. 48 years
 - ☒ 4. 40 years

Q.13 Introducing Rukmani, Vijay said, "She is my wife's only brother's son's mother." How is Rukmani's husband related to Vijay?

- Ans**
- ☒ 1. Father-in-law
 - ☒ 2. Brother-in-law
 - ☒ 3. Father
 - ☒ 4. Son



Q.14 Which two signs should be interchanged to make the given equation correct?

$$12 \times 8 \div 36 + 3 - 6 = 102$$

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

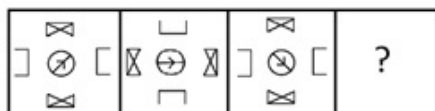
Q.15 Choose the Venn diagram from the given options which best represents the relationship amongst the following classes:

Cup, Table, Crockery

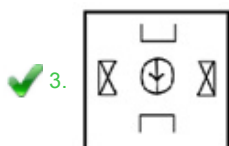
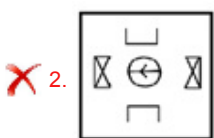
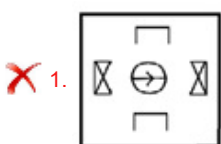
- Ans**
- ☒ 1. 
 - ☒ 2. 



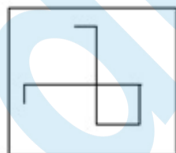
Q.16 Select the figure that will come next in the following figure series.



Ans

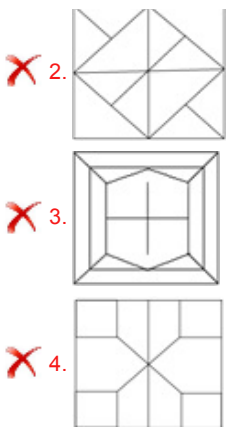


Q.17 Select the figure in which the given figure is embedded.



Ans





Q.18 Find the missing number from the below options.

50 31 9

43 11 6

42 21 ?

Ans ✗ 1. 9

✗ 2. 5

✓ 3. 7

✗ 4. 6

Q.19 Arrange the following words in a logical and meaningful order.

1. Brass
2. Gold
3. Silver
4. Platinum
5. Iron

Ans ✗ 1. 2, 1, 5, 3, 4

✗ 2. 5, 4, 3, 2, 1

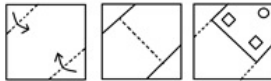
✓ 3. 5, 1, 3, 2, 4

✗ 4. 3, 1, 5, 2, 4

'Stag' is related to 'Doe' in the same way as 'Bull' is related to _____.

- Ans
- ✓ 1. Cow
 - ✗ 2. Mare
 - ✗ 3. Vixen
 - ✗ 4. Ox

Q.21 A square paper is folded and cut as shown below. How will it appear when unfolded?



- Ans
- ✗ 1.
 - ✗ 2.
 - ✓ 3.
 - ✗ 4.

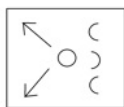
Q.22 Select the letter cluster that will come next in the following series.

GZI, HYJ, IXK, JWL, ?

- Ans
- ✗ 1. LVM
 - ✗ 2. KUM
 - ✓ 3. KVM
 - ✗ 4. JVN

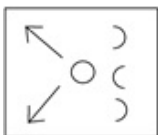
Q.23

Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

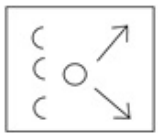


Ans

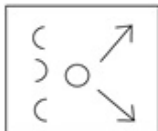
☒ 1.



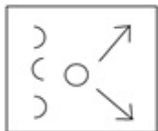
☒ 2.



☒ 3.



☒ 4.



Q.24 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans

☒ 1. 9 – 164

☒ 2. 7 – 126

☒ 3. 11 – 198

☒ 4. 13 – 234

Q.25 Select the terms that will replace ? in the following series

K, M, O, ?, S, U, ?, Y

Ans

☒ 1. Q, X

☒ 2. R, W

☒ 3. P, W

☒ 4. Q, W

Section : Quantitative Aptitude

Q.1 In $\triangle ABC$, AD is a median and P is a point on AD such that $AP : PD = 3 : 4$. Then $\text{ar}(\triangle BPD) : \text{ar}(\triangle ABC)$ is equal to:

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

Q.2 The difference between the compound interest and simple interest on ₹x at 7.5% per annum for 2 years is ₹45. What is the value of x?

- Ans**
- ☒ 1. 9,000
 - ☒ 2. 8,000
 - ☒ 3. 7,000
 - ☒ 4. 10,000

Q.3 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college.
(Total students = 2600)

Stream	CE	CS	IT	ME	EC
% Students	20%	18%	21%	22%	19%
Boys : Girls	3 : 2	4 : 5	3 : 4	6 : 5	9 : 10

What is the ratio of students studying in CS and IT?

- Ans**
- ☒ 1. 11 : 13
 - ☒ 2. 6 : 7
 - ☒ 3. 12 : 13
 - ☒ 4. 9 : 11

Q.4 A is 40% more efficient than B and C is 20% less efficient than B. Working together, they can complete a task in 20 hours. In how many hours will A alone complete 35% of that task?

- Ans**
- ☒ 1. 14
 - ☒ 2. 13
 - ☒ 3. 15
 - ☒ 4. 16

Q.5 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college. (Total students = 2600)

Stream	CE	CS	IT	ME	EC
% Students	20%	18%	21%	22%	19%
Boys : Girls	3 : 2	4 : 5	3 : 4	6 : 5	9 : 10

What is the ratio of boys and girls in the college?

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

Q.6 In a class of 40 students, 45% are girls and the remaining are boys. If the average of the girls' marks is 54 and that of the boys is 46, what is the average of the whole class?

- Ans**
- ☒ 1. 49.5
 - ☒ 2. 49.8
 - ☒ 3. 49.6
 - ☒ 4. 49.7

Q.7 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college. (Total students = 2600)

Stream	CE	CS	IT	ME	EC
% Students	20%	18%	21%	22%	19%
Boys : Girls	3 : 2	4 : 5	3 : 4	6 : 5	9 : 10

If the data about the number of girls enrolled in the various streams is represented by a pie-chart, what is the central angle of the sector representing the number of girls in the ME stream, to the nearest whole degree?

- Ans**
- ☒ 1. 72°
 - ☒ 2. 70°
 - ☒ 3. 68°
 - ☒ 4. 74°

Q.8 The value of $\cot^2 62^\circ - \sec^2 28^\circ + \operatorname{cosec}^2 30^\circ + \tan^2 60^\circ$ is equal to:

- Ans
- ☒ 1. $\frac{16}{3}$
 - ☒ 2. $\frac{10}{3}$
 - ☒ 3. 6
 - ☒ 4. 8

Q.9 If $\operatorname{cosec} \theta = \frac{13}{12}$, then $\sin \theta + \cos \theta - \tan \theta$ is equal to:

- Ans
- ☒ 1. $\frac{71}{65}$
 - ☒ 2. $-\frac{71}{65}$
 - ☒ 3. $\frac{139}{65}$
 - ☒ 4. $\frac{91}{65}$

Q.10 An article is sold for ₹1,680 after two successive discounts of 20% and 16%. What is the marked price of the article?

- Ans
- ☒ 1. ₹2,200
 - ☒ 2. ₹2,500
 - ☒ 3. ₹2,300
 - ☒ 4. ₹2,400

Q.11 The radii of the two circular faces of the frustum of a cone are 5 cm and 4 cm. If the height of the frustum is 21 cm, what is its volume in cm^3 ? ($\pi = \frac{22}{7}$)

- Ans
- ☒ 1. 1342
 - ☒ 2. 902
 - ☒ 3. 1056
 - ☒ 4. 638

Q.12 The value of:

$$7.2 + (8.4 \div 0.12 \times 0.2) - 5 \times 3 \div 0.05 + 3$$

- Ans
- ☒ 1. -75.8
 - ☒ 2. -275.8
 - ☒ 3. 21.2
 - ☒ 4. -175.8

Q.13 In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 18^\circ$, then $\angle CAD$ is equal to:

- Ans
- ☒ 1. 18°
 - ☒ 2. 54°
 - ☒ 3. 36°
 - ☒ 4. 72°

Q.14 If $(a + b) = 6$ and $ab = \frac{16}{3}$, then $(a^3 + b^3)$ is equal to:

- Ans
- ☒ 1. 220
 - ☒ 2. 120
 - ☒ 3. 150
 - ☒ 4. 190

Q.15 If $a : b = 2 : 3$ and $c : b = 5 : 6$, then $a : b : c$ is equal to:

- Ans
- ☒ 1. $10 : 15 : 18$
 - ☒ 2. $6 : 9 : 16$
 - ☒ 3. $6 : 9 : 12$
 - ☒ 4. $4 : 6 : 5$

Q.16 $\triangle ABC \sim \triangle PRQ$ and $PQ = 4$ cm, $QR = 7$ cm and $PR = 8$ cm. If $\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 1 : 4$, then AC is equal to:

- Ans
- ☒ 1. 1 cm
 - ☒ 2. 4 cm

✗ 3. 3.7 cm

✓ 4. 2 cm

Q.17 If $a + b + c = 6$ and $ab + bc + ca = 4$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

Ans ✗ 1. 148

✓ 2. 144

✗ 3. 154

✗ 4. 160

Q.18 If $\sin \theta = \cos(50^\circ + \theta)$, then θ is equal to:

Ans ✗ 1. 30°

✗ 2. 25°

✓ 3. 20°

✗ 4. 35°

Q.19 A train without stoppage travels with an average speed of 72 km/h and with stoppage, it travels with an average speed of 60 km/h. For how many minutes does the train stop on an average per hour?

Ans ✓ 1. 10

✗ 2. 12

✗ 3. 8

✗ 4. 6

Q.20 The table below indicates the percentage of students and the ratio of boys and girls in the various streams of a college.
(Total students = 2600)

Stream	CE	CS	IT	ME	EC
% Students	20%	18%	21%	22%	19%
Boys : Girls	3 : 2	4 : 5	3 : 4	6 : 5	9 : 10

In which stream, is the difference in the percentage of boys and girls minimum?

Ans ✓ 1. EC

✗ 2. ME

✗ 3. CS

✗ 4. IT

Q.21 Two chords AB and CD of a circle when produced, meet at a point P outside the circle. If AB = 6 cm, PB = 5 cm, PD = 4 cm, then CD is equal to:

- Ans**
- ☒ 1. 9.75 cm
 - ☐ 2. 7.75 cm
 - ☐ 3. 7.5 cm
 - ☐ 4. 8.25 cm

Q.22 Two articles are sold for ₹5,104 each. On one, the seller gains 16% and on the other, he loses 12%. What is his overall gain percent, nearest to two decimal places?

- Ans**
- ☐ 1. 0.14%
 - ☐ 2. 0.12%
 - ☒ 3. 0.08%
 - ☐ 4. 0.10%

Q.23 If $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{6}$, then $x^2 + \frac{1}{x^2}$ is equal to:

- Ans**
- ☐ 1. 40
 - ☐ 2. 54
 - ☒ 3. 62
 - ☐ 4. 66

Q.24 The price of sugar is increased by 17%. A person wants to increase his expenditure by 8% only. By what percent should he decrease his consumption, nearest to one decimal place?

- Ans**
- ☐ 1. 7.9%
 - ☐ 2. 8.1%
 - ☒ 3. 7.7%
 - ☐ 4. 8.3%

Q.25 If the six digit number $4x573y$ is divisible by 72 then the value of $(x + y)$ is:

- Ans**
- ☒ 1. 8

~~X~~ 2. 4

~~X~~ 3. 9

~~X~~ 4. 6

Section : **General Awareness**

Q.1 The 'Tanakh' is the sacred text of which religion/sect?

- Ans
- ☒ 1. Confucianism
 - ☒ 2. Taoism
 - ☒ 3. Judaism
 - ☒ 4. Zen Buddhism

Q.2 Which of the following Indian authors is one of the four screenplay writers of the movie 'Kai Po Che'?

- Ans
- ☒ 1. Chetan Bhagat
 - ☒ 2. Ravinder Singh
 - ☒ 3. Amish Tripathi
 - ☒ 4. Durjoy Datta

Q.3 The Indus Water Treaty was signed between India and _____.

- Ans
- ☒ 1. China
 - ☒ 2. Pakistan
 - ☒ 3. Afghanistan
 - ☒ 4. Bangladesh

Q.4 In which part of the female flower does fertilisation take place?

- Ans
- ☒ 1. Stigma
 - ☒ 2. Filament
 - ☒ 3. Style
 - ☒ 4. Ovary

Q.5 The Constitution of India was amended for the first time in which year?

- Ans
- ☒ 1. 1954
 - ☒ 2. 1961
 - ☒ 3. 1960
 - ☒ 4. 1951

Q.6 In which year was the 'Battle of Goa' fought?

- Ans
- ☒ 1. 1514
 - ☒ 2. 1510
 - ☒ 3. 1502
 - ☒ 4. 1524

Q.7 The interest rate charged by banks on short-term loans to their largest, most secure and most creditworthy customers is called _____.

- Ans
- ☒ 1. Discount Rate
 - ☒ 2. Amortised Rate
 - ☒ 3. Variable Rate
 - ☒ 4. Prime Lending Rate

Q.8 In which province of China is the Huangguoshu National Park located which houses the world's largest waterfall cluster.

- Ans
- ☒ 1. Yunnan
 - ☒ 2. Guizhou
 - ☒ 3. Shandon
 - ☒ 4. Jiangsu

Q.9 The 'Friendship Highway' is a road that connects China to _____.

- Ans
- ☒ 1. Nepal
 - ☒ 2. Pakistan
 - ☒ 3. Myanmar
 - ☒ 4. India

Q.10 World Water Day' is annually celebrated on _____.

- Ans
- ☒ 1. 13th August
 - ☒ 2. 15th January

✓ 3. 22nd March

✗ 4. 2nd June

Q.11 Who among the following is the only Indian to have won the Amateur World title in both, snooker and billiards?

- Ans**
- ✗ 1. Michael Ferreira
 - ✓ 2. Pankaj Advani
 - ✗ 3. Geet Sethi
 - ✗ 4. Subhash Agarwal

Q.12 Bhavai' is a traditional dance form of ____.

- Ans**
- ✗ 1. Maharashtra
 - ✗ 2. Punjab
 - ✗ 3. Bihar
 - ✓ 4. Gujarat

Q.13 The former princely state of Tripura in the north-eastern part of India was ruled by _____ Dynasty.

- Ans**
- ✓ 1. Manikya
 - ✗ 2. Nagvanshi
 - ✗ 3. Ahom
 - ✗ 4. Haihaya

Q.14 In 2019, Harsh Vardhan, the union minister for Environment, Forest and Climate Change launched the India Cooling Action Plan (ICAP). On which day was ICAP released?

- Ans**
- ✓ 1. 8th March
 - ✗ 2. 26th January
 - ✗ 3. 27th February
 - ✗ 4. 15th February

Q.15 Cash Reserve Ratio (CRR) is calculated as a percentage of each bank's ____.

- Ans
- ☒ 1. credit growth
 - ☐ 2. net demand and time liabilities
 - ☒ 3. rate of inflation
 - ☒ 4. savings of customers

Q.16 Which Indian author wrote the book 'The English Teacher'?

- Ans
- ☒ 1. Khushwant Singh
 - ☐ 2. R K Narayan
 - ☒ 3. Vikram Seth
 - ☒ 4. Ruskin Bond

Q.17 Which one of the following is the highest altitude lake of Pakistan?

- Ans
- ☒ 1. Satpara Lake
 - ☒ 2. Rush Lake
 - ☐ 3. Paristan Lake
 - ☒ 4. Attabad Lake

Q.18 _____ became the most successful doubles player in the history of Davis Cup as on 2018.

- Ans
- ☒ 1. Henri Leconte
 - ☒ 2. Mark Woodforde
 - ☒ 3. Leon Smith
 - ☐ 4. Leander Paes

Q.19 When was the Constitution of Pakistan enforced?

- Ans
- ☒ 1. 1952

☒ 2. 1965

☒ 3. 1973

☒ 4. 1947

Q.20 _____ assumed the title of 'Gangaikondachola' or the conqueror of the river Ganga.

Ans ☒ 1. Rajendra Chola I

☒ 2. Vijayalaya Chola

☒ 3. Rajadhiraja Chola

☒ 4. Rajaraja Chola I

Q.21 About 70% of the sun is made up of _____.

Ans ☒ 1. Hydrogen

☒ 2. Carbon

☒ 3. Helium

☒ 4. Oxygen

Q.22 Which of the following was a port city of the Indus Valley Civilization?

Ans ☒ 1. Rakhigarhi

☒ 2. Lothal

☒ 3. Dholavira

☒ 4. Kalibangan

Q.23 The phrase 'Survival of the fittest' as a way of describing the mechanism of natural selection was coined by _____.

Ans ☒ 1. Louis Pasteur

☒ 2. Herbert Spencer

☒ 3. Charles Babbage

☒ 4. Marie Curie

Q.24 Night Blindness is caused by the deficiency of Vitamin _____.

Ans  1. C


 2. A

 3. B12


 4. K

Q.25 DNA is stored majorly in _____ of the cell.

Ans  1. cytoplasm

 2. nucleus





 3. golgi body

 4. plasma membrane

Section : English Comprehension

Q.1 Select the correct active form of the given sentence.

Superstitions are still believed in by people.

- Ans  1. People are still believing in superstitions.
 2. People still believe in superstitions.
 3. People have still believed in superstitions.
 4. People still believed in superstitions.

Q.2 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. But that is for an emotional reason.
B. Learning our mother tongue is important and everyone should start there.
C. This is because proficiency in the language can lead to better opportunities.
D. Learning English, however, is important for practical reasons.

- Ans  1. BDCA
 2. DACB
 3. BADC
 4. DBAC

Q.3 Select the most appropriate antonym of the given word.

VIGILANT

- Ans  1. careless
 2. careful
 3. elusive
 4. visible

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

CONCISE

- Ans  1. lengthy
 2. complex
 3. brief
 4. detailed

Q.5 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

She was so tired to work any longer.

- Ans
- ☒ 1. so tiring to work
 - ☒ 2. too tired to work
 - ☒ 3. No improvement
 - ☒ 4. so tired to not work

Q.6 In the sentence identify the segment which contains the grammatical error.

The child along with his parents were waiting for the programme to begin.

- Ans
- ☒ 1. programme to begin
 - ☒ 2. The child
 - ☒ 3. along with his parents
 - ☒ 4. were waiting for the

Q.7 Select the most appropriate meaning of the underlined idiom in the given sentence.

One must learn to prioritize in life. It never pays to put the cart before the horse.

- Ans
- ☒ 1. do things spontaneously
 - ☒ 2. do last things first
 - ☒ 3. postpone till the last moment
 - ☒ 4. perform many tasks simultaneously

Q.8 Select the word which means the same as the group of words given.

The act of looking back on past time

- Ans
- ☒ 1. inspection
 - ☒ 2. introspection
 - ☒ 3. retrospection
 - ☒ 4. circumspection

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

EXALT

- Ans
- ☒ 1. extract
 - ☒ 2. condemn

☒ 3. challenge

☒ 4. praise

Q.10 Select the correctly spelt word.

Ans ☒ 1. argument

☒ 2. argeument

☒ 3. arguement

☒ 4. arguemant

Q.11 Select the most appropriate meaning of the underlined idiom in the given sentence.

His success at such a young age speaks volumes for his talent.

Ans ☒ 1. showers praise

☒ 2. publically announces

☒ 3. gives enough proof

☒ 4. boasts a lot

Q.12 Select the most appropriate option to fill in the blank.

We should never _____ with the rules of driving.

Ans ☒ 1. trifle

☒ 2. tamper

☒ 3. reckon

☒ 4. temper

Q.13 Select the word which means the same as the group of words given.

That which cannot be satisfied

Ans ☒ 1. incredible

☒ 2. insatiable

☒ 3. improbable

☒ 4. impossible

Q.14 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. The first of these states that the only way to have a friend is to be one.
- B. Like all relationships, it is also governed by some well-defined principles.
- C. Friendship is one of the most coveted relationships on earth.
- D. Thus, one must be reliable as a friend to expect reliability in others.

- Ans
- ☒ 1. BDAC
 - ☒ 2. CBAD
 - ☒ 3. ACBD
 - ☒ 4. CDBA

Q.15 In the sentence identify the segment which contains the grammatical error.

He is more smarter than his brother though he does not earn much money.

- Ans
- ☒ 1. than his brother
 - ☒ 2. though he does not earn
 - ☒ 3. much money
 - ☒ 4. He is more smarter

Q.16 Select the correctly spelt word.

- Ans
- ☒ 1. menipulate
 - ☒ 2. manipulate
 - ☒ 3. manipulete
 - ☒ 4. manepulate

Q.17 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

He made a desperate but also partial successful effort to change the ghastly topic.

- Ans
- ☒ 1. though part successful effort
 - ☒ 2. but partially successful effort
 - ☒ 3. yet also partial successful effort
 - ☒ 4. No improvement

Q.18 Select the most appropriate antonym of the given word.

EXTRAVAGANT

- Ans
- ☒ 1. deficit
 - ☒ 2. pauper
 - ☒ 3. generous
 - ☒ 4. thrifty

Q.19 Select the correct passive form of the given sentence

It is time to serve dinner.

- Ans
- ☒ 1. It is time for dinner to be served.
 - ☒ 2. It is dinner serving time.
 - ☒ 3. It is time that dinner is serve.
 - ☒ 4. It is time so dinner should be served.

Q.20 Select the most appropriate option to fill in the blank.

The accident victim _____ to his injuries before he could be taken to the hospital.

- Ans
- ☒ 1. submitted
 - ☒ 2. subscribed
 - ☒ 3. surrendered
 - ☒ 4. succumbed

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1) _____ industrial disaster. Forty two tonnes of methyl isocyanate (2) _____ from the steel containers (3) _____ the Union Carbide factory and released a cloud of (4) _____ gas. It left a legacy of instant and (5) _____ death.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank No.1

- Ans
- ☒ 1. worse
 - ☒ 2. bad
 - ☒ 3. best
 - ☒ 4. worst

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1)_____ industrial disaster. Forty two tonnes of methyl isocyanate (2)_____ from the steel containers (3)_____ the Union Carbide factory and released a cloud of (4)_____ gas. It left a legacy of instant and (5)_____ death.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank No.2

- Ans
- ☒ 1. flowed
 - ☒ 2. emitted
 - ☒ 3. released
 - ☒ 4. leaked

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1)_____ industrial disaster. Forty two tonnes of methyl isocyanate (2)_____ from the steel containers (3)_____ the Union Carbide factory and released a cloud of (4)_____ gas. It left a legacy of instant and (5)_____ death.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank No.3

- Ans
- ☒ 1. beside
 - ☒ 2. at
 - ☒ 3. across
 - ☒ 4. along

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1)_____ industrial disaster. Forty two tonnes of methyl isocyanate (2)_____ from the steel containers (3)_____ the Union Carbide factory and released a cloud of (4)_____ gas. It left a legacy of instant and (5)_____ death.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank No.4

- Ans
- ☒ 1. abominable
 - ☒ 2. incurable

✓ 3. deathly

✗ 4. merciless

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

The Bhopal gas tragedy has been described as the world's (1)_____ industrial disaster. Forty two tonnes of methyl isocyanate (2)_____ from the steel containers (3)_____ the Union Carbide factory and released a cloud of (4)_____ gas. It left a legacy of instant and (5)_____ death.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank No.5

Ans

✗ 1. averted

✗ 2. detained

✗ 3. momentary

✓ 4. deferred

CGLE- Combined Graduate Level Tier-I, 2018 Examination

Section : General Intelligence and Reasoning

Q.1 Find the missing number from the below options.

4 6 7

5 3 ?

41 45 58

Ans ☒ 1. 12

☒ 2. 9

☒ 3. 3

☒ 4. 51

Q.2 Arrange the following words in a logical and meaningful order.

1. Kidney
2. Heart
3. Brain
4. Thyroid gland
5. Liver

Ans ☒ 1. 3, 4, 2, 5, 1

☒ 2. 3, 4, 2, 1, 5

☒ 3. 3, 2, 4, 1, 5

☒ 4. 3, 2, 4, 5, 1

Question ID : 98958013875

Status : Answered

Chosen Option : 1

Q.3

Select the figure that will come next in the following figure series.



Ans



Question ID : 98958013892

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.4 Select the correct mirror image of the given figure when a vertical mirror is placed on the right of the figure.



Ans



Q.5 Select the word-pair in which the two words are related in the same way as the two words in the following word-pair.

Walnut : Fig

Ans ✗ 1. Asafoetida : Cashew nuts

✗ 2. Turmeric : Spices

✓ 3. Raisin : Apricot

✗ 4. Almond : Dry fruits

Q.6 'Insulin' is related to 'Hormone' in the same way as 'Pepsin' is related to '_____'.
Ans

✗ 1. Vitamins

✗ 2. Stomach

✓ 3. Enzymes

✗ 4. Digestion

Q.7 Select the letter cluster that will come next in the following series.
ADH, XAE, UXB, RUY, ?

Ans ✗ 1. OSV

✓ 2. ORV

✗ 3. ORU

✗ 4. PRV

Q.8 Find the missing number from the below options.

9 25 49

6 11 13

9 16 ?

Ans ✗ 1. 19

✓ 2. 20

✗ 3. 21

✗ 4. 18

Q.9

Given below is a transparent sheet of paper with a pattern on the left and right side. How will the pattern appear when the transparent sheet is folded on the dotted line?

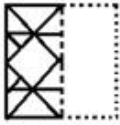


Ans

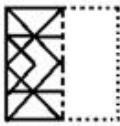
☒ 1.



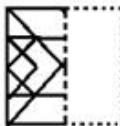
☒ 2.



☒ 3.



☒ 4.



Q.10 Select the option that is related to the third number in the same way as the second number is related to the first number.

16 : 240 :: 6 : ?

Ans

☒ 1. 30

☒ 2. 25

☒ 3. 40

☒ 4. 35

Q.11 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans

☒ 1. Truthfulness

☒ 2. Integrity

☒ 3. Honesty


☒ 4. Hypocrisy


Q.12 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans

☒ 1. PUYBD

☒ 2. JOSVX

 3. E J N Q S

 4. T Y B E G

Q.13 Select the number that will replace ? in the following series.

120, 128, 144, 168, ?, 240

Ans  1. 202


 2. 216


 3. 200

 4. 208


Q.14 A + B means 'A is the mother of B'
A - B means 'A is the father of B'
A × B means 'A is the sister of B'
A ÷ B means 'A is the daughter of B'

If $P + R \times T - Q \div S + U$, then how is S related to T?

Ans  1. Daughter

 2. Sister

 3. Wife

 4. Mother

Q.15 Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd one out.

Ans  1. 2 : 4

 2. 14 : 196

 3. 12 : 244

 4. 4 : 16

Q.16 In a code language, SELECTION is written as ESELDITNO. How will NOSTALGIA be written in the same language?

Ans  1. NOTSBLGAI

✓ 2. ONTSBGLAI

✗ 3. ONSTBGLAI

✗ 4. ONTSZGLAI

Q.17 The sum of the current ages of Natasha and Krishna is 50 years. 10 years ago, Krishna was twice as old as Natasha. What is Krishna's current age?

Ans ✓ 1. 30 years

✗ 2. 20 years

✗ 3. 15 years

✗ 4. 10 years

Q.18 How many triangles are there in the figure given below?



Ans ✗ 1. 36

✓ 2. 30

✗ 3. 32

✗ 4. 24

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

$$27 \div 3 - 18 + 3 \times 2 = 18$$

Ans ✗ 1. + and -

✓ 2. + and ÷

✗ 3. × and +

✗ 4. ÷ and ×

Q.20

Select the term that will replace the question mark (?) in the following series.

A, G, L, ?, S, U, V

Ans ☒ 1. N

☒ 2. Q

☒ 3. P

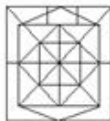
☒ 4. O

Q.21 Select the figure in which the given figure is embedded.
(Rotation is not allowed)

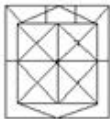


Ans

☒ 1.



☒ 2.



☒ 3.



☒ 4.



Q.22 In a code language, if PICTURE is coded as 16932021185 then how will FUNCTION be coded in the same language?

Ans ☒ 1. 6211432091413

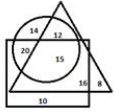
☒ 2. 6211432091514

☒ 3. 6211332091513

☒ 4. 6211432081514

Q.23

In the Venn diagram given below, the circle represents 'Ladies', the triangle represents 'Constables' and the square represents 'Married persons'. The numbers given in the diagram represents number of persons of that particular category.



How many lady constables are NOT married?

- Ans
- ☒ 1. 14
 - ☒ 2. 8
 - ☒ 3. 15
 - ☒ 4. 12

Q.24 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

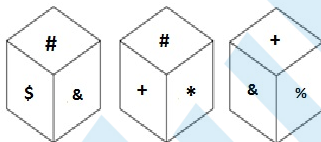
All squirrels are lizards.
All lizards are goose.

Conclusions:

- I. Some squirrels are not goose.
- II. Some lizards are squirrels.
- III. Some goose are squirrels.

- Ans
- ☒ 1. Conclusions I and II follow
 - ☒ 2. Conclusions I, II and III follow
 - ☒ 3. Conclusions II and III follow
 - ☒ 4. Conclusions I and III follow

Q.25 Three different positions of the same dice are shown below. Which symbol is on the face opposite the face showing '*'?



- Ans
- ☒ 1. 0%
 - ☒ 2. #
 - ☒ 3. +
 - ☒ 4. &

Section : Quantitative Aptitude

Q.1 If $\sec \theta = \frac{13}{5}$, then $\tan \theta - \sin \theta + \cos \theta$ is equal to:

Ans

☒ 1. $\frac{118}{65}$

☒ 2. $\frac{23}{13}$

☒ 3. $\frac{124}{65}$

☒ 4. $\frac{121}{65}$

Q.2 The radii of the two circular faces of the frustum of a cone of height 14 cm are 5 cm and 2 cm. What is its volume in cm^3 ? ($\pi = \frac{22}{7}$)

Ans

☒ 1. 540

☒ 2. 520

☒ 3. 572

☒ 4. 560

Q.3 The difference between the compound interest and simple interest on ₹x at 12% per annum for 2 years is ₹18. What is the value of x?

- Ans
- ☒ 1. 1,280
 - ☒ 2. 1,300
 - ☒ 3. 1,340
 - ☒ 4. 1,250

Q.4 A train without stoppage travels with an average speed of 80 km/h and with stoppage, it travels with an average speed of 72 km/h. For how many minutes does the train stop on an average per hour?

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

Q.5 If $a + b = 8$ and $ab = \frac{32}{3}$, then $(a^3 + b^3)$ is equal to:

- Ans
- ☒ 1. 256
 - ☒ 2. 384
 - ☒ 3. 128
 - ☒ 4. 320

Q.6 This table shows the number of students studying in various streams in different colleges.

Streams	College				
	A	B	C	D	E
Arts	580	460	320	470	370
Science	620	680	540	360	400
Commerce	480	520	350	520	330

If the data about students of the commerce stream in all colleges is represented by a pie-chart, what is the central angle of the sector representing college D, to the nearest degree?

- Ans
- ☒ 1. 88°
 - ☒ 2. 85°
 - ☒ 3. 82°
 - ☒ 4. 80°

Q.7 The value of:

$$5.8 + (7.4 \div 3.7 \times 5) - 6 \times 2 \div 2.5$$

Ans ☒ 1. 11

☐ 2. 12

☐ 3. 9

☐ 4. 10

Q.8 For what value of x is the seven digit number 46393 x 8 divisible by 11?

Ans ☐ 1. 5

☐ 2. 2

☒ 3. 3

☐ 4. 7

Q.9 If $a + b + c = 4$ and $ab + bc + ca = 2$, then $a^3 + b^3 + c^3 - 3abc$ is equal to:

Ans ☐ 1. 48

☒ 2. 40

☐ 3. 32

☐ 4. 36

Q.10 In a class of 50 students, 46% are girls and the remaining are boys. The average of the boys' marks is 58 and that of the girls is 62. What are the average marks of the whole class?

Ans ☐ 1. 60.65

☐ 2. 60.38

☐ 3. 60.12

☒ 4. 59.84

Q.11 The value of $\sin^2 48^\circ + \sin^2 42^\circ - \sec^2 30^\circ + \tan^2 60^\circ$ is equal to:

Ans

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

Q.12 $\triangle ABC \sim \triangle QPR$ and $AB = 8$ cm, $BC = 12$ cm and $AC = 6$ cm. If $\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = 16 : 25$, then RQ is equal to:

- Ans** ☒ 1. 12.5 cm
☒ 2. 10 cm
☒ 3. 15 cm
☒ 4. 7.5 cm

Q.13 Two chords AB and CD of a circle intersect at a point P inside the circle. If $AB = 7$ cm, $PC = 2$ cm and $AP = 4$ cm, then CD is equal to:

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

Q.14 Two articles are sold for ₹2508 each. On one, there is a gain of 14% and on the other, there is a loss of 12%. What is the overall gain or loss percent to nearest one decimal place?

- Ans** ☒ 1. 0.7% loss
☒ 2. 0.7% gain
☒ 3. 0.5% loss
☒ 4. 0.5% gain

Q.15

This table shows the number of students studying in various streams in different colleges.

Streams	College				
	A	B	C	D	E
Arts	580	460	320	470	370
Science	620	680	540	360	400
Commerce	480	520	350	520	330

What is the average of the number of students in the arts stream in all the colleges taken together?

- Ans
- ☒ 1. 460
 - ☒ 2. 450
 - ☒ 3. 470
 - ☒ 4. 440

Q.16 A is 50% more efficient than B and C is 40% less efficient than B. Working together, they can complete a task in 10 days. In how many days will A alone complete 150% of that task?

- Ans
- ☒ 1. 35
 - ☒ 2. 33
 - ☒ 3. 31
 - ☒ 4. 28

Q.17 This table shows the number of students studying in various streams in different colleges.

Streams	College				
	A	B	C	D	E
Arts	580	460	320	470	370
Science	620	680	540	360	400
Commerce	480	520	350	520	330

What is the ratio of the number of students studying science in colleges A and B together to the number of students studying commerce in colleges D and E together?

- Ans
- ☒ 1. 23 : 15
 - ☒ 2. 26 : 17
 - ☒ 3. 21 : 17
 - ☒ 4. 13 : 8

Q.18

This table shows the number of students studying in various streams in different colleges.

Streams	College				
	A	B	C	D	E
Arts	580	460	320	470	370
Science	620	680	540	360	400
Commerce	480	520	350	520	330

The number of students in the science stream of college C is approximately what percentage of students studying in that college?

- Ans
- ☒ 1. 42%
 - ☒ 2. 43%
 - ☒ 3. 45%
 - ☒ 4. 44%

Q.19 If $\sin 5\theta = \cos(50^\circ - 3\theta)$, then θ is equal to:

- Ans
- ☒ 1. 20°
 - ☒ 2. 25°
 - ☒ 3. 30°
 - ☒ 4. 15°

Q.20 In $\triangle ABC$, P is a point on BC such that $BP : PC = 1 : 2$ and Q is the mid point of BP. Then, $\text{ar}(\triangle ABQ) : \text{ar}(\triangle ABC)$ is equal to:

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

Q.21 In a circle with centre O, AB is the diameter and CD is a chord such that ABCD is a trapezium. If $\angle BAC = 24^\circ$, then $\angle CAD$ is equal to:

- Ans
- ☒ 1. 42
 - ☒ 2. 36
 - ☒ 3. 48
 - ☒ 4. 24

Q.22 The price of sugar is increased by 21%. A person wants to increase his expenditure by 12% only. By what percent, correct to one decimal place, should he reduce his consumption?

- Ans ☒ 1. 7.4%
☒ 2. 7.8%
☒ 3. 7.2%
☒ 4. 7.6%

Q.23 An article is sold for ₹535.50 after two successive discounts of 25% and 15%. What is the marked price of the article?

- Ans ☒ 1. ₹820
☒ 2. ₹830
☒ 3. ₹840
☒ 4. ₹800

Q.24 If $a : b = 5 : 8$ and $c : b = 4 : 3$, then $a : b : c$ is equal to:

- Ans ☒ 1. 5 : 6 : 8
☒ 2. 15 : 24 : 28
☒ 3. 15 : 24 : 32
☒ 4. 5 : 8 : 6

Q.25 If $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{7}$, then $x^3 + \frac{1}{x^3}$ is equal to:

- Ans ☒ 1. 120
☒ 2. 140
☒ 3. 110
☒ 4. 130