

Q.9 AB is a chord of a circle with centre O. C is a point on the circle in the minor sector. If $\angle ABO = 50^\circ$, then what is the degree measure of $\angle ACB$?

- Ans**
- 1. 100°
 - 2. 130°
 - 3. 110°
 - 4. 140°

Question ID : 65497842831
Status : Answered
Chosen Option : 4

Q.10

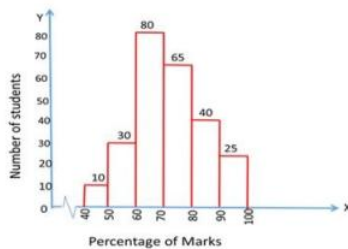
If $4x - 3y = 12$ and $xy = 5$, then find the value of $\frac{16x^2 + 9y^2}{8}$.

- Ans**
- 1. 33
 - 2. 18
 - 3. 3
 - 4. 44

Question ID : 65497843738
Status : Answered
Chosen Option : 3

Q.11 Study the histogram and answer the question given below.

The graph represents the number of students obtaining a percentage of marks in class X Board examination in 2018 in a school.



The number of students who have secured less than 60% marks is what per cent less than the number of students who have secured 80% marks and above?

- Ans**
- 1. 37.4%
 - 2. 38.5%
 - 3. 33.5%
 - 4. 29.7%

Question ID : 65497842841
Status : Answered
Chosen Option : 2

Q.12 If $\sec^2 \alpha + 4 \cos^2 \alpha = 4$ and $0^\circ \leq \alpha \leq 90^\circ$, then find the value of α .

- Ans**
- 1. 30°
 - 2. 0°
 - 3. 45°
 - 4. 60°

Question ID : **65497842128**
Status : **Answered**
Chosen Option : **3**

Q.13 If $\tan A = \frac{2.4}{0.7}$, what is the value of $(50 \cos A + 24 \cot A)$?

- Ans**
- 1. 21
 - 2. 37
 - 3. 26
 - 4. 34

Question ID : **65497843745**
Status : **Answered**
Chosen Option : **1**

Q.14 In a triangle ABC, points P and Q are on AB and AC, respectively, such that AP = 4 cm, PB = 6 cm, AQ = 5 cm and QC = 7.5 cm. If PQ = 6 cm, then find BC (in cm).

- Ans**
- 1. 10
 - 2. 9
 - 3. 15
 - 4. 12

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Question ID : **65497842126**
Status : **Answered**
Chosen Option : **3**

Q.15 Ankita's weight is 20% less than that of her grandmother. The grandmother weighs 26 kg less than grandmother's husband, whose weight is 81 kg. If Ankita's brother is 8 kg heavier than Ankita, then what is the weight (in kg) of Ankita's brother?

- Ans**
- 1. 60
 - 2. 19
 - 3. 36
 - 4. 52

Question ID : **65497843428**
Status : **Not Answered**
Chosen Option : **--**

Q.16 A reduction of 15% in the price of wheat enables a housewife to buy 6 kg more for ₹2,720. The reduced price of wheat per kg (in ₹) is:

- Ans**
- 1. 75
 - 2. 68
 - 3. 70
 - 4. 65

Question ID : 65497844437
Status : Answered
Chosen Option : 2

Q.17 The length of the shadow of a vertical tower on level ground increases by 8.4 cm when the altitude of the sun changes from 45° to 30° . What is the height of the tower (in m)?

- Ans**
- 1. $4.2(\sqrt{3} - 1)$
 - 2. $8.4(\sqrt{3} + 3)$
 - 3. $4.2(\sqrt{3} + 3)$
 - 4. $4.2(\sqrt{3} + 1)$

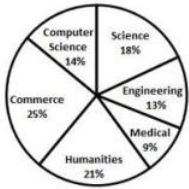
Question ID : 65497844049
Status : Answered
Chosen Option : 4

Q.18 In a circle with centre O, PQ and QR are two chords such that $\angle PQR = 118^\circ$. What is the measure of $\angle OPR$?

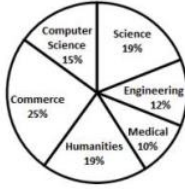
- Ans**
- 1. 36°
 - 2. 26°
 - 3. 31°
 - 4. 28°

Question ID : 65497843438
Status : Answered
Chosen Option : 2

Q.19 The following pie charts show the number of students studying in different departments of an institute during the academic years 2019 and 2020. The total number of students was 2000 and 2400, respectively, in academic years 2019 and 2020.
What is the ratio of Commerce and Computer Science students taken together in 2019 to Engineering and Medical students taken together in 2020?



Academic year 2019



Academic year 2020

- Ans**
- 1. 44 : 65
 - 2. 65 : 44
 - 3. 22 : 39
 - 4. 39 : 22

Question ID : **65497844052**
Status : **Not Answered**
Chosen Option : --

Q.20 Find the value of the following expression:

$$-5 + 5 + 625 \div 5 \times 5$$

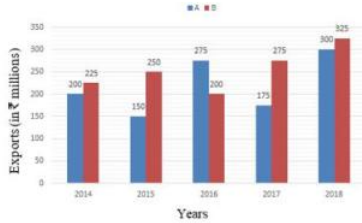
- Ans**
- 1. 25
 - 2. 625
 - 3. 605
 - 4. 121

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Question ID : **65497844031**
Status : **Answered**
Chosen Option : **2**

Q.21 The following bar graph shows exports of cars of type A and B (in ₹ millions) from 2014 to 2018. Study the graph and answer the question that follows.

Exports of Cars of Type A and B (in ₹ millions) during 2014 to 2018.



The total exports of cars of type A in 2014 to 2018 is what per cent more than the total exports of cars of type B in 2015 to 2017? (Correct to one decimal place)

- Ans**
- 1. 44.3%
 - 2. 50.4%
 - 3. 51.7%
 - 4. 41.3%

Question ID : 65497842939
Status : Not Answered
Chosen Option : --

Q.22 If $\left(a + \frac{1}{a} + 3\right)^2 = 16$, where a is a non-zero real number, then find the value of $a^2 + \frac{1}{a^2}$.

- Ans**
- 1. 3
 - 2. 47
 - 3. 49
 - 4. 7

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Question ID : 65497842123
Status : Answered
Chosen Option : 2

Q.23 Ras Bihari, a plumber, earned on an average ₹925 per day in the month of January. He earned on an average ₹881 per day during the first 20 days and ₹915 per day during the last 20 days. What was his average income (in ₹) per day from 12th January to 20th January?

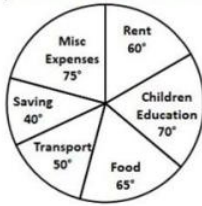
- Ans**
- 1. 792
 - 2. 875
 - 3. 800
 - 4. 805

Question ID : 65497843628
Status : Answered
Chosen Option : 1

Q.24 Monthly expenditure of a family on different heads is shown in the following pie chart. The family earns ₹1,08,000 every month.

What is the amount spent on Rent every month (in ₹)?

Expenditure on different Heads



- Ans**
- 1. 17,500
 - 2. 21,000
 - 3. 15,000
 - 4. 18,000

Question ID : 65497844051

Status : Answered

Chosen Option : 4

Q.25 A 240-m long train crosses a 360-m long tunnel in 30 seconds. What is the speed of the train (in km/h)?

- Ans**
- 1. 72
 - 2. 43.2
 - 3. 60
 - 4. 28.8

Question ID : 65497842120

Status : Answered

Chosen Option : 1

Section : English Comprehension

Q.1 Select the INCORRECTLY spelt word.

- Ans**
- 1. Secratariat
 - 2. Heartbeat
 - 3. Performance
 - 4. Tongue

Question ID : 65497843774

Status : Answered

Chosen Option : 1

Q.2 Select the INCORRECTLY spelt word.

- Ans**
- 1. Giggle
 - 2. Girdle
 - 3. Gingar
 - 4. Giant

Question ID : 65497842159

Status : Answered

Chosen Option : 3

Q.3 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

As it was getting late Lata leave the party midway.

- Ans
- 1. is left the party
 - 2. leaving the party
 - 3. No substitution required
 - 4. left the party

Question ID : 65497844068
Status : Answered
Chosen Option : 4

Q.4 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The team won / very easily / at the recent sports event.

- Ans
- 1. at the recent sports event
 - 2. very easily
 - 3. The team won
 - 4. No error

Question ID : 65497844256
Status : Answered
Chosen Option : 2

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

Astound

- Ans
- 1. Confuse
 - 2. Shock
 - 3. Clarify
 - 4. Stun

Question ID : 65497843466
Status : Answered
Chosen Option : 3

Q.6 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

I don't fancy to go out this evening.

- Ans
- 1. to going outside
 - 2. No improvement required
 - 3. to be going out
 - 4. going out

Question ID : 65497843461
Status : Answered
Chosen Option : 2

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

Nobody fed him when he was starving.

- Ans**
- 1. He had not been fed by anybody when he was starving.
 - 2. He is not fed by anybody when he is starving.
 - 3. He were fed by nobody when he was starving.
 - 4. He was not fed by anybody when he was starving.

Question ID : **65497842140**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the most appropriate synonym of the given word.

Retaliate

- Ans**
- 1. Clap
 - 2. Rotate
 - 3. Facilitate
 - 4. react

Question ID : **65497843776**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the most appropriate meaning of the given idiom.

Cat's paw

- Ans**
- 1. A person used as a tool by another
 - 2. The most important attribute
 - 3. To attack someone
 - 4. Move at a fast pace

Question ID : **65497842863**
Status : **Answered**
Chosen Option : **1**

Q.10 The following sentence has been divided into parts. One of them contains an error.
Select the part that contains the error from the given options.

He conceded / a very crucial / point at / his opponent.

- Ans**
- 1. a very crucial
 - 2. point at
 - 3. his opponent
 - 4. He conceded

Question ID : **65497842845**
Status : **Answered**
Chosen Option : **2**

Q.11 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I find that / I get myself tired / very easily / these days.

- Ans
- 1. these days
 - 2. I get myself tired
 - 3. I find that
 - 4. very easily

Question ID : 65497842741
Status : Answered
Chosen Option : 2

Q.12 Sentences of a paragraph are given below. While the first and the last sentences are in correct order, the sentences in between are jumbled up. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- S1. Ram Mohan was a lover of his country.
P. David said that it would be a good plan to have an English school and college.
Q. He was talking with David about uplifting the mind of Indians.
R. So, he also thought that this subject was very interesting.
S. David also had a strong bond with India.
S6. Indians and Europeans met next year to put this idea into shape.

- Ans
- 1. QSRP
 - 2. SRPQ
 - 3. RPQS
 - 4. RSPQ

Question ID : 65497844069
Status : Answered
Chosen Option : 1

Q.13 Select the most appropriate meaning of the given idiom.

In the limelight

- Ans
- 1. About to be successful
 - 2. The centre of attraction
 - 3. In a well lit up room
 - 4. A well kept secret

Question ID : 65497843468
Status : Answered
Chosen Option : 2

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

Sagacious

- Ans
- 1. Precious
 - 2. Delicious
 - 3. Malicious
 - 4. Judicious

Question ID : 65497842152
Status : Answered
Chosen Option : 4

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

Audacity

- Ans** ✓ 1. Daring
✗ 2. Meekness
✗ 3. Caution
✗ 4. Kindness

Question ID : 65497844070
Status : Answered
Chosen Option : 1

Q.16 Select the option that expresses the given sentence in active voice.

I was taught by Shyam how to drive.

- Ans** ✓ 1. Shyam taught me how to drive.
✗ 2. Shyam is teaching me how to drive.
✗ 3. Shyam has taught me how to drive.
✗ 4. I taught Shyam how to drive.

Question ID : 65497844058
Status : Answered
Chosen Option : 1

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

Industrious

- Ans** ✗ 1. Persistent
✗ 2. Diligent
✗ 3. Zealous
✓ 4. Indolent

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Question ID : 65497842861
Status : Answered
Chosen Option : 4

Q.18 The following sentence has been split into segments. Identify the segment that contains a grammatical error.

My guide / was blind / but he bring / me home safely.

- Ans** ✗ 1. me home safely
✗ 2. My guide
✗ 3. was blind
✓ 4. but he bring

Question ID : 65497842137
Status : Answered
Chosen Option : 4

Q.19 Select the option that can be used as a one-word substitute for the given group of words.

A four-footed animal

- Ans**
- 1. Mammal
 - 2. Reptile
 - 3. Quadruped
 - 4. Biped

Question ID : **65497842157**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the option that expresses the given sentence in indirect speech.

Manoj said to Mira, "Do not try to make a fool of me."

- Ans**
- 1. Manoj told Mira to not to try to make a fool of me.
 - 2. Manoj told Mira do not try to make a fool of him.
 - 3. Manoj told Mira not to try to make a fool of him.
 - 4. Manoj told Mira to not try to make a fool of me.

Question ID : **65497842854**
Status : **Answered**
Chosen Option : **3**

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.

Birbal immediately smiled and went up to Akbar. He announced the (1) _____; he said there were twenty-one thousand, five hundred and twenty-three crows (2) _____ the city. When asked how he (3) _____ the answer, Birbal replied, "Ask your men to (4) _____ the number of crows. If there are more, then the relatives of the crows must be visiting them from (5) _____ cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."

SubQuestion No : 21

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

- Ans**
- 1. answer
 - 2. response
 - 3. question
 - 4. rejoinder

Question ID : **65497843758**
Status : **Answered**
Chosen Option : **3**

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.

Birbal immediately smiled and went up to Akbar. He announced the (1) _____; he said there were twenty-one thousand, five hundred and twenty-three crows (2) _____ the city. When asked how he (3) _____ the answer, Birbal replied, "Ask your men to (4) _____ the number of crows. If there are more, then the relatives of the crows must be visiting them from (5) _____ cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."

SubQuestion No : 22

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

- Ans** 1. in
 2. at
 3. off
 4. on

Question ID : 65497843759

Status : Answered

Chosen Option : 1

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.

Birbal immediately smiled and went up to Akbar. He announced the (1) _____; he said there were twenty-one thousand, five hundred and twenty-three crows (2) _____ the city. When asked how he (3) _____ the answer, Birbal replied, "Ask your men to (4) _____ the number of crows. If there are more, then the relatives of the crows must be visiting them from (5) _____ cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."

SubQuestion No : 23

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

- Ans** 1. known
 2. know
 3. knew
 4. knowing

Question ID : 65497843760

Status : Answered

Chosen Option : 3

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.

Birbal immediately smiled and went up to Akbar. He announced the (1) _____; he said there were twenty-one thousand, five hundred and twenty-three crows (2) _____ the city. When asked how he (3) _____ the answer, Birbal replied, "Ask your men to (4) _____ the number of crows. If there are more, then the relatives of the crows must be visiting them from (5) _____ cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."

SubQuestion No : 24

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

- Ans** 1. count
 2. judge
 3. consider
 4. calculate

Question ID : 65497843761

Status : Answered

Chosen Option : 1

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.

Birbal immediately smiled and went up to Akbar. He announced the (1) _____; he said there were twenty-one thousand, five hundred and twenty-three crows (2) _____ the city. When asked how he (3) _____ the answer, Birbal replied, "Ask your men to (4) _____ the number of crows. If there are more, then the relatives of the crows must be visiting them from (5) _____ cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."

SubQuestion No : 25

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

- Ans** 1. vicinity
 2. near
 3. close
 4. nearby

Question ID : 65497843762

Status : Answered

Chosen Option : 4