

Q.7

The value of $\left(\frac{1-\cot\theta}{1-\tan\theta}\right)^2 + 1$, if $0^\circ < \theta < 90^\circ$, is equal to:

- Ans
- ✓ 1. $\operatorname{cosec}^2\theta$
 - ✗ 2. $\sin^2\theta$
 - ✗ 3. $\cos^2\theta$
 - ✗ 4. $\sec^2\theta$

Question ID : 65497842937
Status : Answered
Chosen Option : 1

Q.8 An article is sold at a certain price. If it is sold at 70% of this price, then there is a loss of 10%. What is the percentage profit, when it is sold at the original selling price?

- Ans
- ✗ 1. $\frac{50}{7}\%$
 - ✓ 2. $\frac{200}{7}\%$
 - ✗ 3. $\frac{300}{7}\%$
 - ✗ 4. $\frac{100}{7}\%$

Question ID : 65497842924
Status : Answered
Chosen Option : 2

Q.9 While preparing the results of English of a class, the marks of one student got recorded as 95 in place of 57, as a result of which there was an increase in the average score by 0.95. How many students were there in the class?

- Ans
- ✗ 1. 57
 - ✗ 2. 37
 - ✗ 3. 45
 - ✓ 4. 40

Question ID : 65497843224
Status : Answered
Chosen Option : 4

Q.10 The length of the body diagonal of a cube is $8\sqrt{3}$ cm. What is the volume (in cm^3) of the cube?

- Ans
- ✗ 1. 343
 - ✗ 2. 216
 - ✓ 3. 512
 - ✗ 4. 729

Question ID : 65497843232
Status : Answered
Chosen Option : 3

Q.11 The value of $\frac{5\cos^2 62^\circ + 5\cos^2 28^\circ - 21}{7\sin^2 35^\circ + 7\sin^2 55^\circ + 1}$ is:

- Ans
- 1. 2
 - 2. -2
 - 3. 3
 - 4. -3

Question ID : 65497843037
Status : Answered
Chosen Option : 2

Q.12 Find the value of the following expression:

$$\frac{1\frac{1}{2} + 1\frac{3}{7} \div \left(1\frac{3}{5} \text{ of } 1\frac{1}{4}\right) \times 2\frac{1}{3}}{2\frac{2}{3} \div \frac{4}{9} \times \frac{5}{6} + 14}$$

- Ans
- 1. $\frac{107}{342}$
 - 2. $\frac{49}{114}$
 - 3. $\frac{13}{114}$
 - 4. $\frac{1}{6}$

Question ID : 65497842112
Status : Answered
Chosen Option : 4

Q.13 In a right-angled triangle PQR, $\angle Q = 90^\circ$. A and B are the mid-points of PQ and PR, respectively. If PQ = 16 cm, QR = 30 cm and PR = 34 cm, what is perimeter (in cm) of the trapezium ABRQ?

- Ans
- 1. 40
 - 2. 80
 - 3. 65
 - 4. 70

Question ID : 65497843035
Status : Answered
Chosen Option : 4

Q.14 PQRS is a cyclic quadrilateral and PQ is a diameter of the circle. If $\angle RPQ = 23^\circ$, then what is the measure of $\angle PSR$?

- Ans**
- ✓ 1. 113°
 - ✗ 2. 157°
 - ✗ 3. 147°
 - ✗ 4. 123°

Question ID : 65497844145
Status : Answered
Chosen Option : 1

Q.15 Which of the following is the smallest number that is a perfect square and is divisible by each of the numbers 6, 8 and 15?

- Ans**
- ✗ 1. 225
 - ✗ 2. 121
 - ✗ 3. 576
 - ✓ 4. 3600

Question ID : 65497842111
Status : Answered
Chosen Option : 4

Q.16 Divide ₹66,300 between A and B in such a way that the amount that A receives after 8 years is equal to the amount that B receives after 10 years; with compound interest being compounded annually at a rate of 10% per annum.

- Ans**
- ✗ 1. $A = ₹35,520, B = ₹30,810$
 - ✗ 2. $A = ₹35,200, B = ₹31,100$
 - ✗ 3. $A = ₹37,000, B = ₹29,300$
 - ✓ 4. $A = ₹36,300, B = ₹30,000$

Question ID : 65497842421
Status : Answered
Chosen Option : 4

Q.17 A ladder of length 3.5 m just reaches the top of a wall. If the ladder makes an angle of 60° with the wall, then what is the height of the wall (in m)?

- Ans**
- ✓ 1. 1.75
 - ✗ 2. $3.5\sqrt{3}$
 - ✗ 3. $\frac{7\sqrt{3}}{4}$
 - ✗ 4. $\frac{3.5}{\sqrt{3}}$

Question ID : 65497842130
Status : Answered
Chosen Option : 3

Q.18 A circle is circumscribed on a quadrilateral ABCD. If $\angle DAB = 100^\circ$, $\angle ADB = 35^\circ$ and $\angle CDB = 40^\circ$, then find the measure of $\angle DBC$.

- Ans**
- 1. 35°
 - 2. 60°
 - 3. 45°
 - 4. 40°

Question ID : **65497842427**
Status : **Answered**
Chosen Option : **2**

Q.19 If $(4a - 3b) = 1$, $ab = \frac{1}{2}$, where $a > 0$ and $b > 0$, what is the value of $(64a^3 + 27b^3)$?

- Ans**
- 1. 15
 - 2. 25
 - 3. 30
 - 4. 35

Question ID : **65497843032**
Status : **Answered**
Chosen Option : **4**

Q.20 In $\triangle ABC$, $\angle A = 68^\circ$. If I is the incentre of the triangle, then the measure of $\angle BIC$ is:

- Ans**
- 1. 124°
 - 2. 112°
 - 3. 68°
 - 4. 56°

Question ID : **65497842935**
Status : **Answered**
Chosen Option : **1**

Q.21 The distance between two towns is covered in 7 hours at a speed of 50 km/h. By how much should the speed (in km/h) be increased so that 2 hours of travelling time will be saved?

- Ans**
- 1. 70
 - 2. 20
 - 3. 40
 - 4. 30

Question ID : **65497843029**
Status : **Answered**
Chosen Option : **2**

Q.22 A is 25% more than B, and B is 40% less than C. If C is 20% more than D, then A is what percentage less than D?

- Ans**
- 1. 11%
 - 2. 10%
 - 3. 9%
 - 4. 12%

Question ID : **65497844135**
Status : **Answered**
Chosen Option : **2**

Q.23 Three partners shared the profit in a business in the proportion of 9 : 8 : 11. They invested their capitals for 4 months, 6 months and 18 months, respectively. What was the ratio of their capitals?

- Ans**
- 1. 81 : 48 : 22
 - 2. 27 : 48 : 22
 - 3. 81 : 16 : 66
 - 4. 27 : 16 : 66

Question ID : **65497843026**
Status : **Answered**
Chosen Option : **1**

Q.24 A person bought a book at 31% discount on its printed price. If no discount was given, then he would have to pay ₹2,480 more. How much did he pay (in ₹) for the book?

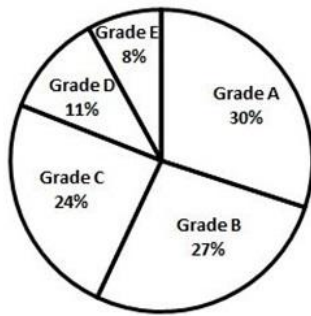
- Ans**
- 1. 7,000
 - 2. 5,520
 - 3. 8,000
 - 4. 4,560

Question ID : **65497844658**
Status : **Answered**
Chosen Option : **2**

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Q.25 Performance of 1800 students in grades has been shown in the following pie chart.

How many more students have obtained grade B than those who have obtained grade C?



- Ans**
- 1. 50
 - 2. 60
 - 3. 54
 - 4. 3

Question ID : **65497842132**
Status : **Answered**
Chosen Option : **3**

Section : **English Comprehension**

Q.1 Select the most appropriate meaning of the given idiom.

Back out

- Ans**
- 1. To enquire
 - 2. To withdraw
 - 3. To throw
 - 4. To explode

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Question ID : **65497844175**
Status : **Answered**
Chosen Option : **2**

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

_____ did she open her lunch box than everyone gathered around her.

- Ans**
- 1. As soon as
 - 2. Just as
 - 3. No sooner
 - 4. Hardly

Question ID : **65497842968**
Status : **Answered**
Chosen Option : **3**

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

Ravenous

- Ans** 1. Starved
 2. Satiated
 3. Full
 4. Content

Question ID : **65497843061**
Status : **Answered**
Chosen Option : **1**

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

Obdurate

- Ans** 1. Rigid
 2. Callous
 3. Amenable
 4. Secure

Question ID : **65497842457**
Status : **Answered**
Chosen Option : **3**

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

Often it makes one wonder at the sights you see.

- Ans** 1. one sees
 2. one see
 3. you saw
 4. No substitution required

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Question ID : **65497844168**
Status : **Answered**
Chosen Option : **2**

Q.6 Select the option that can be used as a one-word substitute for the given group of words.

Place where objects of importance are exhibited

- Ans** 1. Fair
 2. Exhibition
 3. Treasury
 4. Museum

Question ID : **65497843066**
Status : **Answered**
Chosen Option : **4**

Q.7 Select the option that can be used as a one-word substitute for the given group of words.

Lacking interest or excitement

- Ans**
- 1. Despot
 - 2. Hostile
 - 3. Mundane
 - 4. Miserly

Question ID : 65497842966
Status : Answered
Chosen Option : 3

Q.8 Select the INCORRECTLY spelt word.

- Ans**
- 1. Contemplate
 - 2. Cooperate
 - 3. Temprate
 - 4. Syndicate

Question ID : 65497843068
Status : Answered
Chosen Option : 3

Q.9 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Will you / care for / a cup of / hot coffee?

- Ans**
- 1. care for
 - 2. hot coffee
 - 3. Will you
 - 4. a cup of

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Question ID : 65497843046
Status : Not Answered
Chosen Option : --

Q.10 Select the most appropriate synonym of the given word.

Lull

- Ans**
- 1. Disturbance
 - 2. Activity
 - 3. Noise
 - 4. Calm

Question ID : 65497842151
Status : Answered
Chosen Option : 4

Q.11 The following sentence has been divided into parts. One of them may contain a grammatical 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.

They had hardly completed / half of the work / than the boss called them.

- Ans**
- 1. half of the work
 - 2. No error
 - 3. They had hardly completed
 - 4. than the boss called them

Question ID : 65497842441
Status : Answered
Chosen Option : 4

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

multiple

- Ans**
- 1. many
 - 2. double
 - 3. single
 - 4. triple

Question ID : 65497844173
Status : Answered
Chosen Option : 3

Q.13 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

We bought / two dozens / mangoes from / the market.

- Ans**
- 1. the market
 - 2. We bought
 - 3. two dozens
 - 4. mangoes from

Question ID : 65497843650
Status : Answered
Chosen Option : 3

Q.14 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Thus, shared laughter is one of the most effective tools in maintaining healthy relationships.
- B. Emotional sharing builds strong and lasting bonds.
- C. It also helps in healing resentments and hurt.
- D. But sharing laughter brings joy and freshness to relationships.

- Ans**
- 1. BCAD
 - 2. DCBA
 - 3. DCAB
 - 4. BDCA

Question ID : 65497842150
Status : Answered
Chosen Option : 4

Q.15 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

It is quite difficult to make on what this doctor writes.

- Ans**
- 1. make out
 - 2. make in
 - 3. No substitution required
 - 4. made on

Question ID : 65497842149
Status : Answered
Chosen Option : 1

Q.16 Select the option that expresses the given sentence in direct speech.

She exclaimed with sorrow that life had become miserable.

- Ans**
- 1. She said, "Oh! What miserable life has become."
 - 2. She said, "Alas! How miserable life has become."
 - 3. She said, "How miserable had become life!"
 - 4. She said, "Life has become miserable."

Question ID : 65497842450
Status : Answered
Chosen Option : 2

Q.17 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

My friend / who's leg / was fractured, / has recovered.

- Ans**
- 1. has recovered
 - 2. My friend
 - 3. who's leg
 - 4. was fractured

Question ID : 65497842944
Status : Answered
Chosen Option : 3

Q.18 Select the most appropriate meaning of the given idiom.

Have a change of heart

- Ans**
- 1. Undergo a surgery
 - 2. Change one's opinion
 - 3. Fall in love with someone
 - 4. Express happiness about something

Question ID : 65497842459
Status : Answered
Chosen Option : 2

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

He is given proper guidance by his boss.

- Ans**
- 1. His boss is giving him proper guidance.
 - 2. His boss has been giving him proper guidance.
 - 3. He gives proper guidance to his boss.
 - 4. His boss gives him proper guidance.

Question ID : **65497842139**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the correct passive voice of the given sentence.

Hold the rope firmly.

- Ans**
- 1. Let the rope hold you firmly.
 - 2. Let the rope firmly hold you.
 - 3. Let the rope be hold firmly.
 - 4. Let the rope be held firmly.

Question ID : **65497843049**
Status : **Answered**
Chosen Option : **4**

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) _____ a daily war. The everyday struggle of (2) _____ traffic, pollution and rash drivers is (3) _____ biggest cause of chronic stress and other (4) _____ problems. On an average a person spends (5) _____ between thirty minutes to two hours of their day driving.

SubQuestion No : 21

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

- Ans**
- 1. making
 - 2. waging
 - 3. raising
 - 4. rushing

Question ID : **65497842950**
Status : **Answered**
Chosen Option : **2**

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) _____ a daily war. The everyday struggle of (2) _____ traffic, pollution and rash drivers is (3) _____ biggest cause of chronic stress and other (4) _____ problems. On an average a person spends (5) _____ between thirty minutes to two hours of their day driving.

SubQuestion No : 22

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

- Ans 1. stopping
 2. dodging
 3. boarding
 4. lodging

Question ID : 65497842951

Status : Answered

Chosen Option : 2

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) _____ a daily war. The everyday struggle of (2) _____ traffic, pollution and rash drivers is (3) _____ biggest cause of chronic stress and other (4) _____ problems. On an average a person spends (5) _____ between thirty minutes to two hours of their day driving.

SubQuestion No : 23

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

- Ans 1. one
 2. the
 3. an
 4. a

Question ID : 65497842952

Status : Answered

Chosen Option : 2

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) _____ a daily war. The everyday struggle of (2) _____ traffic, pollution and rash drivers is (3) _____ biggest cause of chronic stress and other (4) _____ problems. On an average a person spends (5) _____ between thirty minutes to two hours of their day driving.

SubQuestion No : 24

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

- Ans 1. societal
 2. ecological
 3. psychological
 4. spiritual

Question ID : 65497842953

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.

For an average Indian, driving in any of the major Indian cities is equivalent to (1) _____ a daily war. The everyday struggle of (2) _____ traffic, pollution and rash drivers is (3) _____ biggest cause of chronic stress and other (4) _____ problems. On an average a person spends (5) _____ between thirty minutes to two hours of their day driving.

SubQuestion No : 25

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

- Ans**
- 1. everywhere
 - 2. nowhere
 - 3. anywhere
 - 4. elsewhere

Question ID : **65497842954**

Status : **Answered**

Chosen Option : **3**



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