















































**Q.10** Akhil rides first 12 km at a speed of 16 km/h and further 6 km at a speed of 20 km/h. Find his average speed (in km/h).

**Ans**

1.  $18\frac{1}{5}$

2.  $17\frac{1}{7}$

3.  $17\frac{1}{2}$

4.  $16\frac{4}{5}$

Question ID : 65497842322

Status : Answered

Chosen Option : 2

**Q.11** A and B entered into a partnership with certain investments. At the end of 8 months, A withdrew and collected back his money. A and B received profit in the ratio 5 : 9 at the end of the year. If B had invested ₹36,000, then how much (in ₹) had A invested?

**Ans**

1. 25,000

2. 30,000

3. 20,000

4. 36,000

Question ID : 65497842319

Status : Answered

Chosen Option : 2

**Q.12** Simplify the following expression:

$$\frac{\cos A}{1 - \tan A} + \frac{\sin A}{1 - \cot A} - \sin A$$

**Ans**

1.  $1 + \cos A$

2.  $(1 + \sin A) \cos A$

3.  $1 + \sin A$

4.  $\cos A$

Question ID : 65497842432

Status : Answered

Chosen Option : 4

Q.13 What is the angle of elevation of the sun when the shadow of a 9-m high pole is  $3\sqrt{3}$  m long?

- Ans
- 1.  $30^\circ$
  - 2.  $45^\circ$
  - 3.  $60^\circ$
  - 4.  $90^\circ$

Question ID : 65497842029  
Status : Answered  
Chosen Option : 3

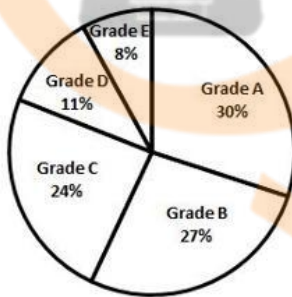
Q.14 The average of twelve numbers is 42. The average of the last five numbers is 40, and that of the first four numbers is 44. The sixth number is 6 less than the fifth number and 5 less than the seventh number. The average of the sixth and seventh numbers is:

- Ans
- 1. 41.5
  - 2. 43.5
  - 3. 44.5
  - 4. 45.5

Question ID : 65497844335  
Status : Answered  
Chosen Option : 1

Q.15 Performance of 1800 students in grades has been shown in the following pie chart.

How many students have got either grade D or grade E?



- Ans
- 1. 345
  - 2. 352
  - 3. 342
  - 4. 359

Question ID : 65497842031  
Status : Answered  
Chosen Option : 3

**Q.16** Find the value of  $k$  such that the number  $k53206k$  is divisible by 6.

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

Question ID : **65497842211**  
Status : **Answered**  
Chosen Option : **2**

**Q.17** Find the greatest 3-digit number which, when divided by 3, 4, 5 and 8, leaves remainder 2 in each case.

- Ans**
- 1. 962
  - 2. 122
  - 3. 958
  - 4. 482

Question ID : **65497842010**  
Status : **Answered**  
Chosen Option : **1**

**Q.18** In a circle with centre  $O$  and of radius 13 cm, two parallel chords are drawn on different sides of the centre. If the length of one chord is 10 cm and the distance between the two chords is 17 cm, then find the difference in lengths of the two chords (in cm).

- Ans**
- 1. 10
  - 2. 14
  - 3. 24
  - 4. 12

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Question ID : **65497842226**  
Status : **Answered**  
Chosen Option : **2**

**Q.19** If  $(x + y)^3 - (x - y)^3 - 3y(2x^2 - 3y^2) = ky^3$ , then find the value of  $k$ .

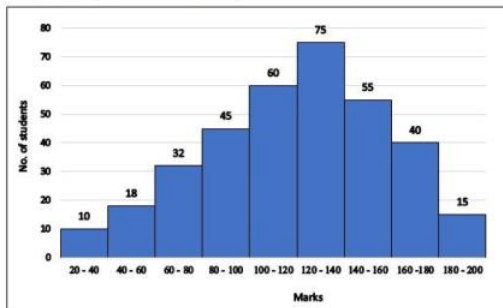
- Ans**
- 1. 10.5
  - 2. 8
  - 3. 11
  - 4. 10

Question ID : **65497842425**  
Status : **Answered**  
Chosen Option : **3**



**Q.20** The given histogram represents the marks of students in Mathematics test of a certain class.  
The total number of students is 350 and the maximum marks of the test are 200.

Study the graph and answer the question that follows.



The total number of students whose marks are less than 100 is what percentage (correct up to one place of decimal) less than the total number of students whose marks are 120 and above?

- Ans**
- 1. 32.7%
  - 2. 36.6%
  - 3. 43.2%
  - 4. 51.8%

Question ID : 65497843346  
Status : **Marked For Review**  
Chosen Option : 4

**Q.21** If  $\cot^2 \alpha + \tan^2 \alpha = 2$ ,  $0^\circ \leq \alpha \leq 90^\circ$ , then find the value of  $\alpha$

- Ans**
- 1.  $0^\circ$
  - 2.  $45^\circ$
  - 3.  $60^\circ$
  - 4.  $90^\circ$

Question ID : 65497842330  
Status : **Answered**  
Chosen Option : 2

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Q.22 Find the value of the following expression:

$$\frac{1\frac{2}{3} \div \frac{5}{6} \times 6 + \frac{4}{5} \times \frac{1}{2} + \frac{2}{3}}{2 - \left[ 1\frac{1}{3} \times \left(-\frac{3}{5}\right) - 6 \left\{ \frac{3}{5} - \left(3 - \frac{3}{10}\right) \right\} \right]}$$

Ans

✓ 1.  $-\frac{4}{3}$

✗ 2.  $\frac{4}{3}$

✗ 3.  $\frac{1}{7}$

✗ 4.  $-\frac{1}{7}$

Question ID : 65497842011

Status : Not Answered

Chosen Option : --

Q.23 In a right-angled triangle, the lengths of the medians from the vertices of acute angles are 7 cm and  $4\sqrt{6}$  cm. What is the length of the hypotenuse of the triangle (in cm)?

Ans

✗ 1.  $3.5 + 2\sqrt{6}$

✗ 2.  $\frac{5}{2}\sqrt{29}$

✗ 3.  $\sqrt{29}$

✓ 4.  $2\sqrt{29}$

Question ID : 65497842430

Status : Answered

Chosen Option : 4

Q.24 The length of a wire (in cm) of 0.1 mm radius that can be drawn from melting a solid copper sphere of diameter 6 cm is:

Ans

✗ 1. 250000

✓ 2. 360000

✗ 3. 440000

✗ 4. 810000

Question ID : 65497844343

Status : Answered

Chosen Option : 2

**Q.25** If  $a + b + c = 11$  and  $ab + bc + ca = 28$ , then find the value of  $a^3 + b^3 + c^3 - 3abc$ .

- Ans**
- 1. 1639
  - 2. 407
  - 3. 2255
  - 4. 1093

Question ID : 65497842325  
Status : Answered  
Chosen Option : 2

Section : English Comprehension

**Q.1** Select the most appropriate synonym of the given word.

**Arid**

- Ans**
- 1. Dry
  - 2. Lively
  - 3. Damp
  - 4. Fertile

Question ID : 65497842050  
Status : Answered  
Chosen Option : 1

**Q.2** Select the INCORRECTLY spelt word.

- Ans**
- 1. Annivarsary
  - 2. Anguish
  - 3. Anonymous
  - 4. Announcement

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Question ID : 65497842361  
Status : Answered  
Chosen Option : 1

**Q.3** Select the option that expresses the given sentence in active voice.

**I have been informed of their decision.**

- Ans**
- 1. They are informing me of their decision.
  - 2. They informed me of their decision.
  - 3. They had informed me of their decision.
  - 4. They have informed me of their decision.

Question ID : 65497842038  
Status : Answered  
Chosen Option : 4

**Q.4 Identify the segment in the sentence which contains the grammatical error.**

**Smita lived in this house since she was five years old.**

- Ans**
- 1. five years old
  - 2. in this house
  - 3. since she was
  - 4. Smita lived

Question ID : **65497843350**  
Status : **Answered**  
Chosen Option : **4**

**Q.5 Select the most appropriate synonym of the given word.**

**Tranquil**

- Ans**
- 1. Calm
  - 2. Alert
  - 3. Aware
  - 4. Dazed

Question ID : **65497842354**  
Status : **Answered**  
Chosen Option : **1**

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

**An animal with a spinal cord**

- Ans**
- 1. Amphibian
  - 2. Mammal
  - 3. Invertebrate
  - 4. Vertebrate

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Question ID : **65497842359**  
Status : **Marked For Review**  
Chosen Option : **4**

**Q.7 Select the most appropriate ANTONYM of the given word.**

**Feeble**

- Ans**
- 1. Wild
  - 2. Fast
  - 3. Strong
  - 4. Fickle

Question ID : **65497842254**  
Status : **Answered**  
Chosen Option : **3**

**Q.8** Select the option that expresses the given sentence in direct speech.

The guard told the children to stay away from the flower beds.

- Ans**
- 1. The guard says to the children, " Stay away from the flower beds."
  - 2. The guard told to the children, " Stay away from the flower beds."
  - 3. The guard said, "Children, should you stay away from the flower beds."
  - 4. The guard said, "Children, stay away from the flower beds."

Question ID : **65497843359**  
Status : **Answered**  
Chosen Option : **4**

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

Famished

- Ans**
- 1. Hesitant
  - 2. Volatile
  - 3. Starved
  - 4. Satiated

Question ID : **65497843366**  
Status : **Answered**  
Chosen Option : **4**

**Q.10** The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.

A shop nearby / sell all the goods / of daily use.

- Ans**
- 1. No error
  - 2. A shop nearby
  - 3. sell all the goods
  - 4. of daily use

Question ID : **65497842135**  
Status : **Answered**  
Chosen Option : **3**

**Q.11** 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'.

I can't make out my mind about taking a vacation in winter.

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

Question ID : **65497842048**  
Status : **Answered**  
Chosen Option : **1**

Q.12 Select the most appropriate meaning of the given idiom.

**Blow your own trumpet**

- Ans  1. Boast about one's own qualities  
 2. Keep away the dust from your instruments  
 3. Practise playing music  
 4. Play on your instrument

Question ID : 65497842256  
Status : Answered  
Chosen Option : 1

Q.13 Select the option that can be used as a one-word substitute for the given group of words.

**Able to be happy, successful, etc. again after something difficult or bad has happened**

- Ans  1. Reluctant  
 2. Remnant  
 3. Resilient  
 4. Resistant

Question ID : 65497842461  
Status : Answered  
Chosen Option : 3

Q.14 The following sentence has been split into segments. One of them may contain an error. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.

**He was formerly / a doctor of / the corporate hospital.**

- Ans  1. No error  
 2. He was formerly  
 3. the corporate hospital  
 4. a doctor of

Question ID : 65497842339  
Status : Answered  
Chosen Option : 4

Q.15 Select the most appropriate meaning of the given idiom.

**A snake in the grass**

- Ans  1. A sudden death  
 2. A good fortune  
 3. A hidden enemy  
 4. An unfortunate accident

Question ID : 65497843368  
Status : Answered  
Chosen Option : 3

Q.16 Identify the segment in the sentence which contains the grammatical error.

Our team have won the match.

- Ans
- 1. the match
  - 2. won
  - 3. Our team
  - 4. have

Question ID : 65497843348  
Status : Answered  
Chosen Option : 4

Q.17 Select the most appropriate option to fill in the blank.

They called Mohan a \_\_\_\_\_ because he did not want to go into the dark lane.

- Ans
- 1. coward
  - 2. hero
  - 3. brave
  - 4. valiant

Question ID : 65497842463  
Status : Answered  
Chosen Option : 1

Q.18 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. They always shared machinery and goods as needed without a hitch.
- B. Then they had the first serious quarrel in 40 years of farming side by side.
- C. And unfortunately, the long collaboration fell apart.
- D. Two brothers lived on adjoining farms in a small village.

- Ans
- 1. DBCA
  - 2. DABC
  - 3. CADB
  - 4. BCAD

Question ID : 65497842049  
Status : Answered  
Chosen Option : 2

Q.19 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'.

Hardly had we get in but the train started.

- Ans
- 1. we get in than
  - 2. No substitution required
  - 3. we got in before
  - 4. we got in when

Question ID : 65497842249  
Status : Answered  
Chosen Option : 4

**Q.20** Select the correct active voice of the given sentence.

The watchman has been bitten by a stray dog.

- Ans
- 1. A watchman has bitten the stray dog.
  - 2. A stray dog has bitten the watchman.
  - 3. A stray dog bit the watchman.
  - 4. A stray dog is biting the watchman.

Question ID : 65497842342

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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

SubQuestion No : 21

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

- Ans
- 1. turned
  - 2. achieved
  - 3. reached
  - 4. arrived

Question ID : 65497842445

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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

SubQuestion No : 22

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

- Ans
- 1. tape
  - 2. office
  - 3. child
  - 4. picture

Question ID : 65497842446

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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

**SubQuestion No : 23**

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

- Ans**  1. substantial  
 2. large  
 3. generous  
 4. considerable

Question ID : 65497842447

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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

**SubQuestion No : 24**

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

- Ans**  1. violation  
 2. damage  
 3. interruption  
 4. disruption

Question ID : 65497842448

Status : Answered

Chosen Option : 1

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**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.

A banker taped a picture, drawn by one of his small children, to his office wall. When he 1. \_\_\_\_\_ at work the next morning, he found the 2. \_\_\_\_\_ was covered by a 3. \_\_\_\_\_ notice, saying he was in 4. \_\_\_\_\_ of company policy which required personal items to be put away at night. 5. \_\_\_\_\_ a reaction was not just petty, it risked demotivating the banker completely. In short, it defied common sense.

**SubQuestion No : 25**

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

- Ans  1. That  
 2. Such  
 3. This  
 4. Which

Question ID : 65497842449

Status : Answered

Chosen Option : 2



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