









































**Q.12** What is the difference in the volume (in  $\text{cm}^3$ ) of a sphere of radius 7 cm and that of a cone of radius 7 cm and height 10

$\text{cm}^3$  (Use  $\pi = \frac{22}{7}$ )

- Ans**
- 1. 205
  - 2. 704
  - 3. 924
  - 4. 1078

Question ID : 65497844645  
Status : Answered  
Chosen Option : 3

**Q.13** If  $3 \sec^2 \theta + \tan \theta - 7 = 0, 0^\circ < \theta < 90^\circ$ , then what is the value of  $\left(\frac{2 \sin \theta + 3 \cos \theta}{\operatorname{cosec} \theta + \sec \theta}\right)$  ?

- Ans**
- 1. 10
  - 2.  $\frac{5}{2}$
  - 3.  $\frac{5}{4}$
  - 4.  $4\sqrt{2}$

Question ID : 65497844350  
Status : Marked For Review  
Chosen Option : 3

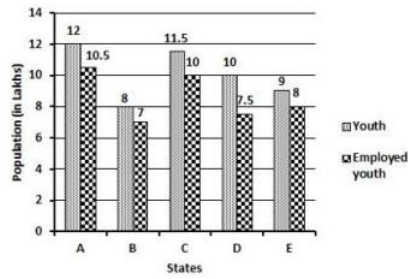
**Q.14** The bisector of  $\angle B$  in  $\triangle ABC$  meets  $AC$  at  $D$ . If  $AB = 12$  cm,  $BC = 18$  cm and  $AC = 15$  cm, then the length of  $AD$  (in cm) is:

- Ans**
- 1. 6
  - 2. 5
  - 3. 12
  - 4. 9

Question ID : 65497844348  
Status : Answered  
Chosen Option : 1

**Q.15** The following bar graph shows the total number of youth (in lakhs) and the number of employed youth (in lakhs) in 5 states A, B, C, D and E.

What is the ratio of the number of youth in states A, C and E taken together to the number of employed youth in states B, C and D taken together?



- Ans**
- 1. 65 : 59
  - 2. 65 : 49
  - 3. 8 : 7
  - 4. 57 : 49

Question ID : 65497844050  
 Status : Answered  
 Chosen Option : 2

**Q.16** A tangent is drawn from a point P to a circle, which meets the circle at T such that  $PT = 10.5$  cm. A secant PAB intersects the circle in points A and B. If  $PA = 7$  cm, what is the length (in cm) of the chord AB?

- Ans**
- 1. 8.5
  - 2. 8.75
  - 3. 7.75
  - 4. 8.45

INDIA

Question ID : 65497843639  
 Status : Answered  
 Chosen Option : 2

**Q.17** What is the remainder when the product of 335, 608 and 853 is divided by 13?

- Ans**
- 1. 11
  - 2. 12
  - 3. 6
  - 4. 7

Question ID : 65497843322  
 Status : Answered  
 Chosen Option : 4

**Q.18** The marked price of an article is ₹625. After allowing a discount of 32% on the marked price, there was a profit of ₹25.  
The profit percentage (correct to the nearest integer) is:

- Ans**
- 1. 5%
  - 2. 4%
  - 3. 6%
  - 4. 7%

Question ID : 65497844336  
Status : Answered  
Chosen Option : 3

**Q.19** At present, A is younger than B by 8 years. If 4 years ago, their ages were in the ratio 1 : 2, then what is the present age of B (in years)?

- Ans**
- 1. 11
  - 2. 20
  - 3. 12
  - 4. 18

Question ID : 65497844339  
Status : Answered  
Chosen Option : 2

**Q.20** Which is the smallest multiple of 7, which leaves 5 as remainder in each case, when divided by 8, 9, 12 and 15?

- Ans**
- 1. 365
  - 2. 1085
  - 3. 2525
  - 4. 725

INDIA

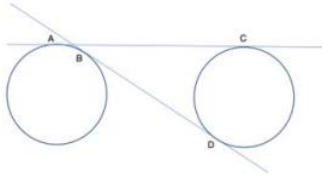
Question ID : 65497843525  
Status : Answered  
Chosen Option : 3

**Q.21** The ratio of the speeds of two trains is 2 : 7. If the first train runs 250 km in 5 hours, then the sum of the speeds (in km/h) of both the trains is:

- Ans**
- 1. 250
  - 2. 175
  - 3. 150
  - 4. 225

Question ID : 65497844342  
Status : Answered  
Chosen Option : 4

**Q.22** Two common tangents AC and BD touch two equal circles each of radius 7 cm, at points A, C, B and D, respectively, as shown in the figure. If the length of BD is 48 cm, what is the length of AC?



- Ans**
- 1. 40 cm
  - 2. 30 cm
  - 3. 50 cm
  - 4. 48 cm

Question ID : 65497843337

Status : Answered

Chosen Option : 3

**Q.23** If  $x + y + z = 11$ ,  $xy + yz + zx = -6$ , and  $x^3 + y^3 + z^3 = 1604$ , then the value of  $xyz$  is:

- Ans**
- 1. 25
  - 2. 4
  - 3. 1
  - 4. 5

Question ID : 65497844345

Status : Answered

Chosen Option : 1

**Q.24** If  $\cot B = \frac{12}{5}$ , what is the value of  $\sec B$ ?

- Ans**
- 1.  $\frac{5}{12}$
  - 2.  $\frac{13}{12}$
  - 3.  $\frac{13}{5}$
  - 4.  $\frac{12}{13}$

Question ID : 65497843442

Status : Answered

Chosen Option : 2

**Q.25** A vertical pole and a vertical tower are on the same level ground in such a way that, from the top of the pole, the angle of elevation of the top of the tower is  $60^\circ$  and the angle of depression of the bottom of the tower is  $30^\circ$ . If the height of the pole is 24 m, then find the height of the tower (in m).

**Ans**

1.  $24\sqrt{3}(\sqrt{3} + 1)$

2. 72

3. 96

4.  $24(\sqrt{3} + 1)$

Question ID : **65497843544**  
Status : **Answered**  
Chosen Option : **2**

Section : **English Comprehension**

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

**Ans**

1. Progress

2. Mystery

3. Pilgrim

4. Syntoms

Question ID : **65497844381**  
Status : **Answered**  
Chosen Option : **4**

**Q.2** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

My older brother, / which you'll / meet later, / is a dentist.

**Ans**

1. My older brother

2. which you'll

3. meet later

4. is a dentist

Question ID : **65497842641**  
Status : **Answered**  
Chosen Option : **2**

**Q.3** Select the most appropriate **ANTONYM** of the given word.

Rely

**Ans**

1. Move

2. Distrust

3. Await

4. Depend

Question ID : **65497843669**  
Status : **Answered**  
Chosen Option : **2**

**Q.4** Select the most appropriate meaning of the given idiom.

**To take after**

- Ans**  1. To chase someone  
 2. To be similar in appearance  
 3. To mock someone  
 4. To change sides often

Question ID : **65497843367**  
Status : **Answered**  
Chosen Option : **2**

**Q.5** Select the option that expresses the given sentence in active voice.

**Hatred can be overcome by love.**

- Ans**  1. Love can overcome hatred.  
 2. Love has overcome hatred.  
 3. Love is overcoming hatred.  
 4. Love can overcame hatred.

Question ID : **65497843553**  
Status : **Answered**  
Chosen Option : **1**

**Q.6** 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. However, when areas in Leh began to experience water shortages, life didn't grind to a halt.  
B. Ladakh is a cold desert with a low average annual rainfall.  
C. Thus, glaciers have been the main source of water for the people.  
D. This was because Chewang Norphel, a retired civil engineer came up with the idea of artificial glaciers.

- Ans**  1. CBDA  
 2. BCAD  
 3. DABC  
 4. BCDA

Question ID : **65497843564**  
Status : **Answered**  
Chosen Option : **2**

**Q.7** Select the most appropriate meaning of the given idiom.

**Foul play**

- Ans**  1. Unfair or dishonest behaviour  
 2. A bad smelling theatre or playground  
 3. Unpleasant weather for playing  
 4. A drama which is badly produced

Question ID : **65497843671**  
Status : **Answered**  
Chosen Option : **1**



**Q.8** Select the option that can be used as a one-word substitute for the given group of words.

Formally put an end to a system, practice, or institution

- Ans**
- 1. Stop
  - 2. Destroy
  - 3. Kill
  - 4. Abolish

Question ID : 65497844379  
Status : Answered  
Chosen Option : 4

**Q.9** 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 was / late / for school / and punished.

- Ans**
- 1. for school
  - 2. late
  - 3. He was
  - 4. and punished

Question ID : 65497844359  
Status : Marked For Review  
Chosen Option : 1

**Q.10** Select the most appropriate option to fill in the blank.

She hardly works on weekends, \_\_\_\_\_?

- Ans**
- 1. doesn't she
  - 2. is she
  - 3. does she
  - 4. isn't she

Question ID : 65497843473  
Status : Marked For Review  
Chosen Option : 1

**Q.11** 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'.

I wish I were listening to my parents.

- Ans**
- 1. am listening
  - 2. have listened
  - 3. No substitution required
  - 4. had listened

Question ID : 65497843360  
Status : Answered  
Chosen Option : 4

**Q.12** Select the option that expresses the given sentence in reported speech.

**Mother said, "Abhinav slipped while trying to board a bus."**

- Ans**
- 1. Mother told that Abhinav slipped while trying to board a bus.
  - 2. Mother said that Abhinav slipped while trying to board a bus.
  - 3. Mother says that Abhinav slipped while trying to board a bus.
  - 4. Mother said that Abhinav had slipped while trying to board a bus.

Question ID : **65497843662**  
Status : **Answered**  
Chosen Option : **4**

**Q.13** Select the most appropriate synonym of the given word.

**DUO**

- Ans**
- 1. Bond
  - 2. Pair
  - 3. Loan
  - 4. Debt

Question ID : **65497843565**  
Status : **Answered**  
Chosen Option : **2**

**Q.14** 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.

**It was a surprising / to receive the gift/ from my brother.**

- Ans**
- 1. No error
  - 2. It was a surprising
  - 3. from my brother
  - 4. to receive the gift

Question ID : **65497843563**  
Status : **Answered**  
Chosen Option : **2**

**Q.15** 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 fisheries sector / have grown significantly / in the last one year.**

- Ans**
- 1. have grown significantly
  - 2. in the last one year
  - 3. No error
  - 4. The fisheries sector

Question ID : **65497844055**  
Status : **Marked For Review**  
Chosen Option : **1**

**Q.16** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

**My house / is more / spacious than / my sister.**

- Ans**
- 1. is more
  - 2. My house
  - 3. my sister
  - 4. spacious than

Question ID : **65497843653**  
Status : **Answered**  
Chosen Option : **3**

**Q.17** Select the option that expresses the given sentence in passive voice.

**Do you trust me?**

- Ans**
- 1. Am I trusted by you?
  - 2. Do I am trusted by you?
  - 3. Do I was trusted by you?
  - 4. I am trusted by you.

Question ID : **65497844362**  
Status : **Answered**  
Chosen Option : **1**

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

**Paranoid**

- Ans**
- 1. Convinced
  - 2. Trustful
  - 3. Committed
  - 4. Distrustful

**INDIA**

Question ID : **65497844374**  
Status : **Marked For Review**  
Chosen Option : **4**

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

**Indifferent to pleasure and pain**

- Ans**
- 1. Cynic
  - 2. Stoic
  - 3. Prudent
  - 4. Lusty

Question ID : **65497843471**  
Status : **Answered**  
Chosen Option : **2**

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

**Appal**

- Ans**  1. Alarm  
 2. Assure  
 3. Amaze  
 4. Astound

Question ID : **65497843365**  
Status : **Marked For Review**  
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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 21**

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

- Ans**  1. maximum  
 2. utmost  
 3. most  
 4. main

Question ID : **65497843455**  
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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 22**

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

- Ans**  1. from  
 2. of  
 3. by  
 4. at

Question ID : **65497843456**  
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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 23**

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

- Ans  1. mostly  
 2. commonly  
 3. cyclically  
 4. constantly

Question ID : 65497843457

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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 24**

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

- Ans  1. long  
 2. lengthy  
 3. longer  
 4. longest

Question ID : 65497843458

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.

An old man lived in the village. He was one of the (1) \_\_\_\_\_ unfortunate people in the world. The whole village was tired (2) \_\_\_\_\_ him; he was always gloomy, he (3) \_\_\_\_\_ complained and was always in a bad mood. The (4) \_\_\_\_\_ he lived, the more vile he was becoming and the more (5) \_\_\_\_\_ were his words.

**SubQuestion No : 25**

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

- Ans  1. fatal  
 2. mortal  
 3. poisonous  
 4. toxic

Question ID : 65497843459

Status : Answered

Chosen Option : 4

---

Shar



INDIA