













































**Q.8** A, B and C start a business. A invests  $33\frac{1}{3}\%$  of the total capital, B invests 25% of the remaining, and C invests the rest. If the total profit at the end of the year is ₹1,86,000, then A's share of the profit (in ₹) is:

- Ans**
- 1. 62,000
  - 2. 64,000
  - 3. 61,000
  - 4. 59,000

Question ID : 65497842723  
Status : Answered  
Chosen Option : 1

**Q.9** If  $\sin^2\theta - \cos^2\theta - 3\sin\theta + 2 = 0$ ,  $0^\circ < \theta < 90^\circ$ , then what is the value of  $1 + \sec\theta + \tan\theta$ ?

- Ans**
- 1.  $-1 + \sqrt{3}$
  - 2.  $-1 - \sqrt{3}$
  - 3.  $1 + \sqrt{3}$
  - 4.  $1 - \sqrt{3}$

Question ID : 65497843543  
Status : Answered  
Chosen Option : 3

**Q.10** The base of a triangle is increased by 40%. By what percentage (correct to two decimal places) should its height be increased so that the area increases by 60%?

- Ans**
- 1. 14.29%
  - 2. 20.01%
  - 3. 15.54%
  - 4. 18.62%

Question ID : 65497843125  
Status : Answered  
Chosen Option : 2

**Q.11** Let  $\Delta ABC \sim \Delta PQR$  and  $\frac{\text{ar}(\Delta ABC)}{\text{ar}(\Delta QPR)} = \frac{64}{169}$ . If  $AB = 10$  cm,  $BC = 7$  cm and  $AC = 16$  cm, then  $PR$  (in cm) is equal to:

- Ans**
- 1. 21
  - 2. 13
  - 3. 26
  - 4. 15

Question ID : 65497843541  
Status : Answered  
Chosen Option : 3

**Q.12** The sides PQ and PR of  $\Delta PQR$  are produced to points S and T, respectively. The bisectors of  $\angle SQR$  and  $\angle TRQ$  meet at point U. If  $\angle QUR = 69^\circ$ , then the measure of  $\angle P$  is:

- Ans**
- 1.  $31^\circ$
  - 2.  $69^\circ$
  - 3.  $21^\circ$
  - 4.  $42^\circ$

Question ID : **65497842732**  
Status : **Answered**  
Chosen Option : **4**

**Q.13** The length of the shadow on the ground of a tall tree of height 45 m is  $15\sqrt{3}$  m. What is the angle (in degrees) of elevation of the sun?

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

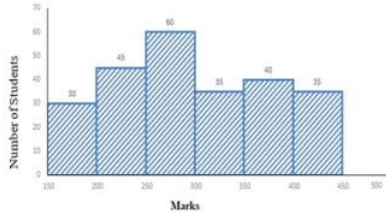
Question ID : **65497842938**  
Status : **Answered**  
Chosen Option : **4**

**Q.14** Find the value of  $(1.6)^3 - (0.9)^3 - (0.7)^3$ .

- Ans**
- 1. 3.024
  - 2. -3.024
  - 3. -3.24
  - 4. 3.24

Question ID : **65497843536**  
Status : **Answered**  
Chosen Option : **1**

**Q.15** Study the given histogram that shows the marks obtained by students in an examination and answer the question that follows.



The number of students who obtained less than 200 marks is what percentage less than the number of students who obtained 400 or more marks (correct to one decimal place)?

- Ans**
- 1. 11.9%
  - 2. 17.8%
  - 3. 21.6%
  - 4. 14.3%

Question ID : **65497844356**  
 Status : **Answered**  
 Chosen Option : **4**

**Q.16** The curved surface area of a right circular cylinder is  $616 \text{ cm}^2$  and the area of its base is  $38.5 \text{ cm}^2$ . What is the volume (in  $\text{cm}^3$ ) of the cylinder? (Take  $\pi = \frac{22}{7}$ )

- Ans**
- 1. 1155
  - 2. 1408
  - 3. 1243
  - 4. 1078

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Question ID : **65497844346**  
 Status : **Not Answered**  
 Chosen Option : **--**

**Q.17**  $(\sec\theta - \tan\theta)^2 (1 + \sin\theta)^2 \div \cos^2\theta = ?$

- Ans**
- 1.  $\cos^2\theta$
  - 2. 1
  - 3.  $\cot^2\theta$
  - 4.  $-1$

Question ID : **65497842734**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.18** A shopkeeper allows 28% discount on the marked price of an article and still makes a profit of 30%. If he gains ₹30.90 on the sale of one article, then what is the marked price (to the nearest ₹) of the article?

- Ans**
- 1. 103
  - 2. 134
  - 3. 194
  - 4. 186

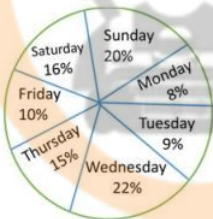
Question ID : 65497844134  
Status : Not Answered  
Chosen Option : --

**Q.19** Person A can do one-fifth of the work in 3 days, while B's efficiency is half of that of A. In how many days A and B working together can do half of the work?

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

Question ID : 65497843533  
Status : Answered  
Chosen Option : 4

**Q.20** Study the given pie-chart and answer the question that follows.  
The chart represents the percentage-wise distribution of total number of vanilla cakes and chocolate cakes sold every day in a week. Total number of cakes sold in a week = 10500.



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The ratio of vanilla cakes sold to chocolate cakes sold on Friday is 4 : 3. If the selling price of one vanilla cake is ₹9 and that of one chocolate cake is ₹10, then the total amount earned (in ₹) by selling all the vanilla cakes and chocolate cakes on Friday is:

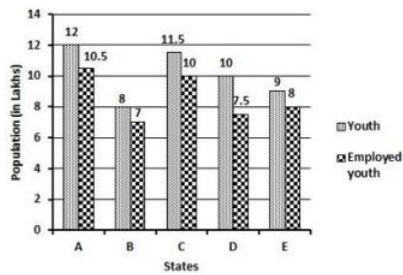
- Ans**
- 1. 11,000
  - 2. 8,900
  - 3. 10,000
  - 4. 9,900

Question ID : 65497842940  
Status : Not Answered  
Chosen Option : --



**Q.21** 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 percentage of employed youth in states A and E taken together?



**Ans**

✓ 1.  $88\frac{2}{21}$

✗ 2.  $88\frac{8}{21}$

✗ 3.  $82\frac{8}{21}$

✗ 4.  $88\frac{1}{21}$

Question ID : 65497843747

Status : Not Answered

Chosen Option : --

**Q.22** A shopkeeper bought 40 pieces of an article at a rate of ₹50 per item. He sold 35 pieces with 20% profit. The remaining 5 pieces were found to be damaged and he sold them with 10% loss. Find his overall profit percentage.

**Ans**

✗ 1. 30%

✗ 2. 32.5%

✓ 3. 16.25%

✗ 4. 10%

Question ID : 65497843530

Status : Not Answered

Chosen Option : --

**Q.23** If the nine-digit number  $9m2365n48$  is completely divisible by 88, what is the value of  $(m^2 \times n^2)$ , for the smallest value of  $n$ , where  $m$  and  $n$  are natural numbers?

**Ans**

✗ 1. 36

✓ 2. 64

✗ 3. 32

✗ 4. 20

Question ID : 65497843120

Status : Not Answered

Chosen Option : --

**Q.24** An isosceles  $\triangle MNP$  is inscribed in a circle. If  $MN = MP = 16\sqrt{5}$  cm, and  $NP = 32$  cm, what is the radius (in cm) of the circle?

- Ans**
- 1. 20
  - 2.  $18\sqrt{5}$
  - 3. 18
  - 4.  $20\sqrt{5}$

Question ID : **65497843135**  
Status : **Not Answered**  
Chosen Option : --

**Q.25** If Seema invests ₹17,650 in an account that yields 8.5% p.a. simple interest, then how much (to nearest ₹) will she have after 5 years?

- Ans**
- 1. 25,151
  - 2. 21,155
  - 3. 21,551
  - 4. 25,115

Question ID : **65497844340**  
Status : **Answered**  
Chosen Option : **3**

Section : **English Comprehension**

**Q.1** 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'.

When Sirisha knock at the door someone peeped through the window.

- Ans**
- 1. knocked door
  - 2. knocked at the door
  - 3. knocked on door
  - 4. No substitution required

Question ID : **65497844155**  
Status : **Answered**  
Chosen Option : **2**

**Q.2** Select the option that gives the most appropriate meaning of the underlined idiom.

You have put me in a tight corner by telling me to keep quiet.

- Ans**
- 1. An embarrassing situation
  - 2. A comfortable situation
  - 3. A difficult situation
  - 4. A secret place

Question ID : **65497843165**  
Status : **Answered**  
Chosen Option : **3**

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

**Ransack**

- Ans**
- 1. Seize
  - 2. Raid
  - 3. Protect
  - 4. Pilfer

Question ID : **65497843163**  
Status : **Answered**  
Chosen Option : **3**

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

**CENTRE**

- Ans**
- 1. Periphery
  - 2. Clear
  - 3. Mainstream
  - 4. Definite

Question ID : **65497844376**  
Status : **Answered**  
Chosen Option : **1**

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

Now after the COVID-19 situation has \_\_\_\_\_, Bangladesh has started air travel services for other countries including India.

- Ans**
- 1. improved
  - 2. progressed
  - 3. advanced
  - 4. enriched

Question ID : **65497843574**  
Status : **Answered**  
Chosen Option : **1**

**Q.6** Select the most appropriate **synonym** of the given word.

**Eventually**

- Ans**
- 1. Initially
  - 2. Primarily
  - 3. Originally
  - 4. Ultimately

Question ID : **65497842758**  
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.

**A tank for fish or water plants**

- Ans**
- 1. Reservoir
  - 2. Aviary
  - 3. Aquarium
  - 4. Museum

Question ID : **65497843572**  
Status : **Answered**  
Chosen Option : **3**

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

**An image of a God used for worship**

- Ans**
- 1. Model
  - 2. Idol
  - 3. Icon
  - 4. Temple

Question ID : **65497842763**  
Status : **Answered**  
Chosen Option : **2**

**Q.9** Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Finally, it can be termed as the channel for all trade, and what is more important, of all ideas.
- B. It also provides framework to all economic development.
- C. It is the road which determines the site of many cities and the growth and nourishment of all.
- D. The road is one of the great fundamental institutions of mankind.

- Ans**
- 1. CABD
  - 2. DCBA
  - 3. BDAC
  - 4. DBAC

Question ID : **65497842958**  
Status : **Answered**  
Chosen Option : **2**

**Q.10** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

**Athens was / a most luminous / of all city-states / of ancient Greece.**

- Ans**
- 1. Athens was
  - 2. of all city-states
  - 3. of ancient Greece
  - 4. a most luminous

Question ID : **65497842540**  
Status : **Answered**  
Chosen Option : **4**

**Q.11 Select the option that expresses the given sentence in passive voice.**

**They catch whale sharks commercially in some places around the world.**

- Ans**
- 1. Whale sharks were caught commercially in some places around the world.
  - 2. Whale sharks are being caught commercially in some places around the world.
  - 3. Whale sharks have been caught commercially in some places around the world.
  - 4. Whale sharks are caught commercially in some places around the world.

Question ID : **65497842947**  
Status : **Answered**  
Chosen Option : **4**

**Q.12 Select the correct active voice form of the given sentence**

**A cartoon film is being watched by Praveen.**

- Ans**
- 1. Praveen would like to watch a cartoon film.
  - 2. Praveen had been watching a cartoon film.
  - 3. Praveen is watched a cartoon film.
  - 4. Praveen is watching a cartoon film.

Question ID : **65497842746**  
Status : **Answered**  
Chosen Option : **2**

**Q.13 Select the option that expresses the given sentence in indirect speech.**

**She said to her, "Will you ready my suit tomorrow?"**

- Ans**
- 1. She asked her if she would ready her suit tomorrow.
  - 2. She asked her if she would ready her suit the next day.
  - 3. She asked her that if she would ready her suit tomorrow
  - 4. She said her if she would ready her suit tomorrow.

Question ID : **65497844369**  
Status : **Answered**  
Chosen Option : **3**

**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.**

**We ordered a Pizza / which are one of / my favourite foods.**

- Ans**
- 1. which are one of
  - 2. No error
  - 3. my favourite foods
  - 4. We ordered a Pizza

Question ID : **65497844360**  
Status : **Answered**  
Chosen Option : **1**

**Q.15** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

We thought / there was a good idea / to wear snow boots / before we stepped out.

- Ans**
- 1. We thought
  - 2. before we stepped out
  - 3. to wear snow boots
  - 4. there was a good idea

Question ID : 65497842743  
Status : Answered  
Chosen Option : 4

**Q.16** Select the INCORRECTLY spelt word.

- Ans**
- 1. Deceive
  - 2. Leisure
  - 3. Believe
  - 4. Welfare

Question ID : 65497842765  
Status : Answered  
Chosen Option : 4

**Q.17** Select the most appropriate synonym of the given word.

Trendy

- Ans**
- 1. Common
  - 2. Foreign
  - 3. Popular
  - 4. Familiar

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Question ID : 65497842959  
Status : Answered  
Chosen Option : 3

**Q.18** 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'.

None of the boys was willing to admit that he was in the wrong.

- Ans**
- 1. No substitution required
  - 2. willing to admitting
  - 3. ready to admitting
  - 4. admit

Question ID : 65497843158  
Status : Answered  
Chosen Option : 1

**Q.19** Select the most appropriate meaning of the following idiom.

**Nip in the bud**

- Ans** ✓ 1. To destroy early  
✗ 2. To cut the buds  
✗ 3. To destroy late  
✗ 4. Not to destroy

Question ID : **65497844378**  
Status : **Answered**  
Chosen Option : **1**

**Q.20** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

You are welcome to partake this light refreshment.

- Ans** ✗ 1. No improvement required  
✓ 2. to partake of  
✗ 3. for partaking  
✗ 4. in partaken

Question ID : **65497842957**  
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.

There is always something so fascinating about trains and journeys. There (1) \_\_\_\_\_ certain symbols and signages inside and outside of the train. The (2) \_\_\_\_\_ of most of them might not be known to everyone. (3) \_\_\_\_\_ you are a frequent traveller or not, you may have (4) \_\_\_\_\_ the letter X or a cross mark on the back of the last (5) \_\_\_\_\_ of the train.

**SubQuestion No : 21**

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

- Ans** ✗ 1. were  
✓ 2. are  
✗ 3. had been  
✗ 4. will be

Question ID : **65497843556**  
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.

There is always something so fascinating about trains and journeys. There (1) \_\_\_\_\_ certain symbols and signages inside and outside of the train. The (2) \_\_\_\_\_ of most of them might not be known to everyone. (3) \_\_\_\_\_ you are a frequent traveller or not, you may have (4) \_\_\_\_\_ the letter X or a cross mark on the back of the last (5) \_\_\_\_\_ of the train.

**SubQuestion No : 22**

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

- Ans**
- 1. senses
  - 2. charge
  - 3. worth
  - 4. meanings

Question ID : 65497843557

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.

There is always something so fascinating about trains and journeys. There (1) \_\_\_\_\_ certain symbols and signages inside and outside of the train. The (2) \_\_\_\_\_ of most of them might not be known to everyone. (3) \_\_\_\_\_ you are a frequent traveller or not, you may have (4) \_\_\_\_\_ the letter X or a cross mark on the back of the last (5) \_\_\_\_\_ of the train.

**SubQuestion No : 23**

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

- Ans**
- 1. Whether
  - 2. Whichever
  - 3. Whatever
  - 4. However

Question ID : 65497843558

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.

There is always something so fascinating about trains and journeys. There (1) \_\_\_\_\_ certain symbols and signages inside and outside of the train. The (2) \_\_\_\_\_ of most of them might not be known to everyone. (3) \_\_\_\_\_ you are a frequent traveller or not, you may have (4) \_\_\_\_\_ the letter X or a cross mark on the back of the last (5) \_\_\_\_\_ of the train.

**SubQuestion No : 24**

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

- Ans**
- 1. distinguished
  - 2. recognised
  - 3. noticed
  - 4. known

Question ID : 65497843559

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.

There is always something so fascinating about trains and journeys. There (1) \_\_\_\_\_ certain symbols and signages inside and outside of the train. The (2) \_\_\_\_\_ of most of them might not be known to everyone. (3) \_\_\_\_\_ you are a frequent traveller or not, you may have (4) \_\_\_\_\_ the letter X or a cross mark on the back of the last (5) \_\_\_\_\_ of the train.

**SubQuestion No : 25**

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

- Ans**  1. booth  
 2. coach  
 3. bus  
 4. rail

Question ID : **65497843560**

Status : **Answered**

Chosen Option : **2**



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