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- Ans**
- ✓ 1. 20.40
  - ✗ 2. 22.16
  - ✗ 3. 24.25
  - ✗ 4. 25.00

Question ID : 65497844235

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.11** If p is the third proportional to 8, 20 and q is the fourth proportional to 3, 5, 24, then find the value of  $(2p + q)$ .

- Ans**
- ✓ 1. 140
  - ✗ 2. 126
  - ✗ 3. 90
  - ✗ 4. 104

Question ID : 65497844036

Status : **Answered**

Chosen Option : 1

**Q.12** A sum of money was borrowed and paid back in two equal annual instalments of ₹980, allowing 4% compound interest. The sum (in ₹, to the nearest tens) borrowed was:

- Ans**
- ✓ 1. 1,850
  - ✗ 2. 1,960
  - ✗ 3. 1,760
  - ✗ 4. 2,050

Question ID : 65497843027

Status : **Answered**

Chosen Option : 1

**Q.13** Two circles touch each other externally at T. RS is a direct common tangent to the two circles touching the circles at P and Q.  $\angle TPQ = 42^\circ$ .  $\angle PQT$  (in degrees) is:

- Ans**
- ✓ 1. 48
  - ✗ 2. 45
  - ✗ 3. 42
  - ✗ 4. 60

Question ID : 65497843236

Status : **Answered**

Chosen Option : 1

Q.14 If  $\sec A = \frac{17}{g}$ , given that  $A < 90^\circ$ , what is the value of the following?  $\frac{34 \sin A + 15 \cot A}{68 \cos A - 16 \tan A}$

- Ans
- 1. 23
  - 2. 19
  - 3. 30
  - 4. 38

Question ID : 65497843038  
Status : Answered  
Chosen Option : 2

Q.15 AB is the diameter of a circle with centre O. C and D are two points on the circumference of the circle on either side of AB, such that  $\angle CAB = 42^\circ$  and  $\angle ABD = 57^\circ$ . What is difference (in degrees) between the measures of  $\angle CAD$  and  $\angle CBD$ ?

- Ans
- 1. 105 and 75
  - 2. 75 and 105
  - 3. 81 and 99
  - 4. 99 and 81

Question ID : 65497843033  
Status : Answered  
Chosen Option : 2

Q.16 If  $a^2 + b^2 + c^2 = 6.25$  and  $(ab + bc + ca) = 0.52$ , what is the value of  $(a + b + c)$ , if  $(a + b + c) < 0$ ?

- Ans
- 1.  $\pm 2.7$
  - 2. -2.7
  - 3. -2.8
  - 4.  $\pm 2.8$

Question ID : 65497844042  
Status : Answered  
Chosen Option : 1

Q.17 What is the greatest number by which when 156, 181 and 331 are divided, the remainder is 6 in each case?

- Ans
- 1. 26
  - 2. 17
  - 3. 25
  - 4. 13

Question ID : 65497842414  
Status : Answered  
Chosen Option : 3

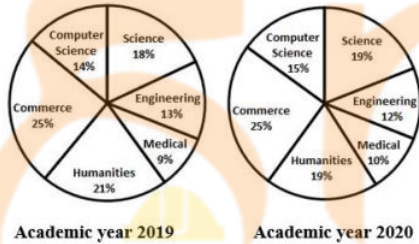
**Q.18** A can finish a piece of work in 48 days and B can finish it in 60 days. They work together for 12 days and then A goes away. In how much time (in days and hours) will B finish 25% of the remaining work?

- Ans**
- 1. 6 days 4 hours
  - 2. 8 days 8 hours
  - 3. 6 days 6 hours
  - 4. 8 days 6 hours

Question ID : **65497843028**  
Status : **Answered**  
Chosen Option : **4**

**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 in academic years 2019 and 2020, respectively.

What is the percentage increase or decrease in the number of students of Engineering in 2020 as compared to 2019? (correct to 2 decimal places)



- Ans**
- 1. 10.55%
  - 2. 11.77%
  - 3. 10.77%
  - 4. 10.25%

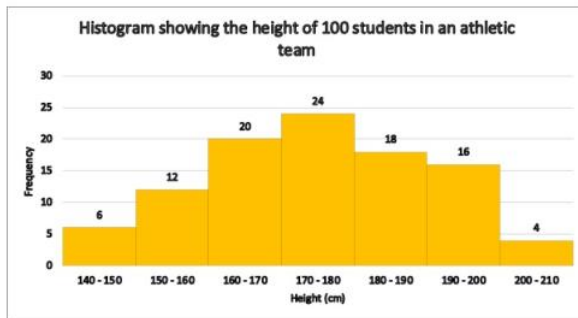
Question ID : **65497843749**  
Status : **Answered**  
Chosen Option : **3**

**Q.20** A 35 cm high bucket in the form of a frustum is full of water. Radii of its lower and upper ends are 12 cm and 18 cm, respectively. If water from this bucket is poured in a cylindrical drum, whose base radius is 20 cm, then what will be the height of water (in cm) in the drum?

- Ans**
- 1. 16.25
  - 2. 18.25
  - 3. 19.95
  - 4. 20.50

Question ID : **65497844040**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.21** Study the given histogram that shows the height (in cm) of 100 students in an athletic team and answer the question that follows.



Express the number of students with height less than 170 cm as the percentage (correct to one decimal place) of the number of students with height more than 160 cm.

- Ans**
- ✓ 1. 46.3%
  - ✗ 2. 73.5%
  - ✗ 3. 29.1%
  - ✗ 4. 53.7%

Question ID : 65497843043  
Status : Answered  
Chosen Option : 1

**Q.22** If  $\tan^2 A + 2\tan A - 63 = 0$  Given that  $0 < A < \frac{\pi}{2}$  what is the value of  $(2\sin A + 5\cos A)$ ?

- Ans**
- ✗ 1.  $19\sqrt{50}$
  - ✗ 2.  $15\sqrt{50}$
  - ✓ 3.  $\frac{19}{\sqrt{50}}$
  - ✗ 4.  $\frac{15}{\sqrt{50}}$

Question ID : 65497844047  
Status : Answered  
Chosen Option : 3

**Q.23** In a manufacturing unit, it was noted that the price of raw material has increased by 25% and the labour cost has gone up from 30% of the cost of raw material to 38% of the cost of the raw material. What percentage of the consumption of raw material be reduced to keep the cost the same as that before the increase?

- Ans**
- ✗ 1. 20.7%
  - ✗ 2. 30.2%
  - ✓ 3. 24.6%
  - ✗ 4. 25.5%

Question ID : 65497843226  
Status : Not Answered  
Chosen Option : --

**Q.24** If the 7-digit number  $x8942y4$  is divisible by 56, what is the value of  $(x^2 + y)$  for the largest value of  $y$ , where  $x$  and  $y$  are natural numbers?

- Ans
- 1. 33
  - 2. 44
  - 3. 55
  - 4. 70

Question ID : 65497843221  
Status : Not Answered  
Chosen Option : --

**Q.25** Simplify the following expression:

$$\frac{3\frac{1}{2} + 5\frac{1}{3} \div 1\frac{1}{3} \times 5\frac{1}{4} - 5\frac{1}{2}}{1\frac{1}{2} \times 1\frac{2}{3} - 6\frac{1}{2}} \div 7 \times 2$$

- Ans
- 1.  $\frac{13}{147}$
  - 2.  $29\frac{9}{32}$
  - 3.  $-1\frac{5}{14}$
  - 4.  $-\frac{5}{28}$

Question ID : 65497842415  
Status : Answered  
Chosen Option : 3

Section : English Comprehension

**Q.1** Select the option that expresses the given sentence in active voice.

How many candidates had been interviewed by him before lunch?

- Ans
- 1. How many candidates has he interviewed before lunch?
  - 2. How many candidates did he interview before lunch?
  - 3. How many candidates had he interviewed before lunch?
  - 4. How many candidates was he interviewing before lunch?

Question ID : 65497844059  
Status : Answered  
Chosen Option : 2



**Q.2** Select the most appropriate synonym of the given word.

**Smooth**

- Ans**  1. Flat  
 2. Uneven  
 3. Rough  
 4. Broken

Question ID : **65497842454**  
Status : **Answered**  
Chosen Option : **1**

**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'.

The student apologised the teacher for the delay in submitting the assignment.

- Ans**  1. No substitution required  
 2. is apologising the teacher  
 3. apologised to the teacher  
 4. has apologised the teacher

Question ID : **65497843259**  
Status : **Answered**  
Chosen Option : **3**

**Q.4** Select the option that expresses the given sentence in indirect speech.

She said, "The stars are shining brightly tonight."

- Ans**  1. She said the stars are shining brightly tonight.  
 2. She said that the stars were shining brightly that night.  
 3. She said the stars were shining brightly tonight.  
 4. She asked if the stars were shining brightly that night.

Question ID : **65497843056**  
Status : **Answered**  
Chosen Option : **2**

**Q.5** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The recently hike / in the price of petroleum products / will hit / household budgets severely.

- Ans**  1. will hit  
 2. The recently hike  
 3. household budgets severely  
 4. in the price of petroleum products

Question ID : **65497843651**  
Status : **Answered**  
Chosen Option : **2**

**Q.6** Select the most appropriate option to fill in the blank.

Their idea of a holiday \_\_\_\_\_ at a luxury resort.

- Ans
- 1. is relax
  - 2. is relaxed
  - 3. is to relaxing
  - 4. is relaxing

Question ID : 65497843069  
Status : Answered  
Chosen Option : 4

**Q.7** Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Our amusements have little zest if we engage in them in solitude.
- B. Friendship increases happiness and diminishes misery.
- C. It doubles our joys and divides our grief.
- D. When we do well, it is delightful to have friends who are pleased with our success.

- Ans
- 1. BCDA
  - 2. ABDC
  - 3. CBAD
  - 4. DACB

Question ID : 65497842453  
Status : Marked For Review  
Chosen Option : 2

**Q.8** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Your name / precedes before mine / in the / admission list.

- Ans
- 1. Your name
  - 2. in the
  - 3. precedes before mine
  - 4. admission list

Question ID : 65497843047  
Status : Answered  
Chosen Option : 3

**Q.9** Select the option that gives the most appropriate meaning of the underlined idiom.

I am working on too many projects. I think I have bitten off more than I can chew.

- Ans
- 1. Not able to finish work
  - 2. To take on more than one can handle
  - 3. To be happy to multitask
  - 4. To find work dull

Question ID : 65497843065  
Status : Answered  
Chosen Option : 2

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

Imminent

- Ans
- 1. Unyielding
  - 2. Ignorant
  - 3. Impending
  - 4. Distant

Question ID : 65497844071  
Status : Answered  
Chosen Option : 4

Q.11 Select the option that can be used as a one-word substitute for the given group of words.

A sound that cannot be heard

- Ans
- 1. Inedible
  - 2. Inaudible
  - 3. Indelible
  - 4. Audible

Question ID : 65497844076  
Status : Answered  
Chosen Option : 2

Q.12 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'.

Computer crime have been in the news since the nineteen eighties.

- Ans
- 1. has been in the news from
  - 2. has been on the news since
  - 3. has been in the news since
  - 4. No substitution required

Question ID : 65497842452  
Status : Answered  
Chosen Option : 3

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

A glass container to keep fish

- Ans
- 1. Aquarium
  - 2. Atrium
  - 3. Beaker
  - 4. Vase

Question ID : 65497843067  
Status : Answered  
Chosen Option : 1

Q.14 Select the option that expresses the given sentence in active voice.

Trumpets are being blown by the soldiers to announce the victory.

- Ans
- 1. The soldiers were blowing the trumpets to announce the victory.
  - 2. The soldiers blow the trumpets to announce the victory.
  - 3. The soldiers are blowing the trumpets to announce the victory.
  - 4. The soldiers blew the trumpets to announce the victory.

Question ID : 65497842442  
Status : Answered  
Chosen Option : 3

Q.15 Select the option that gives the most appropriate meaning of the underlined idiom.

It is good to take into account all the important factors before making a decision.

- Ans
- 1. leave
  - 2. select
  - 3. control
  - 4. consider

Question ID : 65497843266  
Status : Answered  
Chosen Option : 4

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

No sooner did / the child start crying / then the mother / hugged him.

- Ans
- 1. No sooner did
  - 2. then the mother
  - 3. hugged him
  - 4. the child start crying

Question ID : 65497844056  
Status : Answered  
Chosen Option : 2

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

Camaraderie

- Ans
- 1. Dislike
  - 2. Amity
  - 3. Companionship
  - 4. Friendship

Question ID : 65497843063  
Status : Answered  
Chosen Option : 1

Q.18 Select the most appropriate ANTONYM of the given word.

Criticise

- Ans
- 1. Disappoint
  - 2. Forgive
  - 3. Prevent
  - 4. Praise

Question ID : 65497843264  
Status : Answered  
Chosen Option : 4

Q.19 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

It is not worth / having the trouble / to write to him / as he never replies.

- Ans
- 1. as he never replies
  - 2. to write to him
  - 3. It is not worth
  - 4. having the trouble

Question ID : 65497842640  
Status : Marked For Review  
Chosen Option : 4

Q.20 Select the correctly spelt word.

- Ans
- 1. Weird
  - 2. Cansel
  - 3. Recieve
  - 4. Prepair

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Question ID : 65497844078  
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.

How should one read a story to a child? Usually, a personality or character of the story (1) \_\_\_\_\_ the child's interest the most. (2) \_\_\_\_\_, use different voices (3) \_\_\_\_\_ each character or act out various (4) \_\_\_\_\_ from the story, to bring life to those characters. (5) \_\_\_\_\_ out parts from the story will make story sessions fun and memorable for the kids.

SubQuestion No : 21

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

- Ans
- 1. caught
  - 2. catch
  - 3. catches
  - 4. has caught

Question ID : 65497843051  
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.

How should one read a story to a child? Usually, a personality or character of the story (1) \_\_\_\_\_ the child's interest the most. (2) \_\_\_\_\_, use different voices (3) \_\_\_\_\_ each character or act out various (4) \_\_\_\_\_ from the story, to bring life to those characters. (5) \_\_\_\_\_ out parts from the story will make story sessions fun and memorable for the kids.

**SubQuestion No : 22**

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

- Ans  1. Either  
 2. So  
 3. Also  
 4. However

Question ID : 65497843052

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.

How should one read a story to a child? Usually, a personality or character of the story (1) \_\_\_\_\_ the child's interest the most. (2) \_\_\_\_\_, use different voices (3) \_\_\_\_\_ each character or act out various (4) \_\_\_\_\_ from the story, to bring life to those characters. (5) \_\_\_\_\_ out parts from the story will make story sessions fun and memorable for the kids.

**SubQuestion No : 23**

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

- Ans  1. for  
 2. by  
 3. with  
 4. from

Question ID : 65497843053

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.

How should one read a story to a child? Usually, a personality or character of the story (1) \_\_\_\_\_ the child's interest the most. (2) \_\_\_\_\_, use different voices (3) \_\_\_\_\_ each character or act out various (4) \_\_\_\_\_ from the story, to bring life to those characters. (5) \_\_\_\_\_ out parts from the story will make story sessions fun and memorable for the kids.

**SubQuestion No : 24**

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

- Ans  1. pages  
 2. sheets  
 3. parts  
 4. words

Question ID : 65497843054

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.

How should one read a story to a child? Usually, a personality or character of the story (1) \_\_\_\_\_ the child's interest the most. (2) \_\_\_\_\_, use different voices (3) \_\_\_\_\_ each character or act out various (4) \_\_\_\_\_ from the story, to bring life to those characters. (5) \_\_\_\_\_ out parts from the story will make story sessions fun and memorable for the kids.

**SubQuestion No : 25**

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

- Ans**  1. Saying  
 2. Acting  
 3. Telling  
 4. Asking

Question ID : **65497843055**

Status : **Answered**

Chosen Option : **2**



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