Combined Higher Secondary Level Examination 2019 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Sector 34
Exam Date	12/10/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CHSL Tier 1

Section : **English Language (Basic Knowledge)**

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

Ans ✗ 1. Awfully

✗ 2. Unruly

✗ 3. Unduly

✔ 4. Faithfuly

Question ID : **424429408**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the correct passive form of the given sentence.**

The police beat a number of protestors last night.

Ans ✗ 1. A number of protestors were being beaten by the police last night.

✗ 2. A number of protestors had been beaten by the police last night.

✗ 3. A number of protestors has been beaten by the police the night before.

✔ 4. A number of protestors were beaten by the police the night before.

Question ID : **424429415**
Status : **Answered**
Chosen Option : **4**

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

ASSERTION

Ans ✗ 1. Rejection

✗ 2. Continuation

✗ 3. Discussion

✔ 4. Declaration

Question ID : **424429427**
Status : **Marked For Review**
Chosen Option : **4**

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

Up in arms

Ans ✗ 1. Throw up arms in joy

✗ 2. Divide into armed groups

✗ 3. Give up fighting and surrender

✓ 4. Angry about something

Question ID : **424429422**

Status : **Not Answered**

Chosen Option : **--**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Smartphones have become an essential part of our lives and their (1)_____ usage is now impacting human behaviour. We need to (2)_____ think about digital detox! Yes, the concept of disconnecting with (3)_____ virtual world is not just a fad. It's the need of the hour today. The Global Brand Director of the smartphone Vivo in his speech nudged all smartphone users (4)_____ a step backward and think. He said, "Let's (5)_____ our mobiles and pledge to be closer and nearer to our loved ones."

SubQuestion No : 5

Q.5 **Select the most appropriate option for blank number 1.**

Ans ✗ 1. exceeding

✓ 2. excessive

✗ 3. exceedingly

✗ 4. exceed

Question ID : **424429410**

Status : **Answered**

Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Smartphones have become an essential part of our lives and their (1)_____ usage is now impacting human behaviour. We need to (2)_____ think about digital detox! Yes, the concept of disconnecting with (3)_____ virtual world is not just a fad. It's the need of the hour today. The Global Brand Director of the smartphone Vivo in his speech nudged all smartphone users (4)_____ a step backward and think. He said, "Let's (5)_____ our mobiles and pledge to be closer and nearer to our loved ones."

SubQuestion No : 6

Q.6 **Select the most appropriate option for blank number 2.**

Ans ✗ 1. series

✗ 2. seriousness

✓ 3. seriously

✗ 4. serious

Question ID : **424429411**

Status : **Answered**

Chosen Option : **3**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Smartphones have become an essential part of our lives and their (1)_____ usage is now impacting human behaviour. We need to (2)_____ think about digital detox! Yes, the concept of disconnecting with (3)_____ virtual world is not just a fad. It's the need of the hour today. The Global Brand Director of the smartphone Vivo in his speech nudged all smartphone users (4)_____ a step backward and think. He said, "Let's (5)_____ our mobiles and pledge to be closer and nearer to our loved ones."

SubQuestion No : 7

Q.7 Select the most appropriate option for blank number 3.

Ans   ✔ 1. the

   ✘ 2. a

   ✘ 3. any

   ✘ 4. many

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Smartphones have become an essential part of our lives and their (1)_____ usage is now impacting human behaviour. We need to (2)_____ think about digital detox! Yes, the concept of disconnecting with (3)_____ virtual world is not just a fad. It's the need of the hour today. The Global Brand Director of the smartphone Vivo in his speech nudged all smartphone users (4)_____ a step backward and think. He said, "Let's (5)_____ our mobiles and pledge to be closer and nearer to our loved ones."

SubQuestion No : 8

Q.8 Select the most appropriate option for blank number 4.

Ans   ✔ 1. to take

   ✘ 2. to taking

   ✘ 3. taken

   ✘ 4. takes

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Smartphones have become an essential part of our lives and their (1)_____ usage is now impacting human behaviour. We need to (2)_____ think about digital detox! Yes, the concept of disconnecting with (3)_____ virtual world is not just a fad. It's the need of the hour today. The Global Brand Director of the smartphone Vivo in his speech nudged all smartphone users (4)_____ a step backward and think. He said, "Let's (5)_____ our mobiles and pledge to be closer and nearer to our loved ones."

SubQuestion No : 9

Q.9 **Select the most appropriate option for blank number 5.**

Ans ✔ 1. switch off

✘ 2. switch in

✘ 3. switch over

✘ 4. switch up

Question ID : **424429414**

Status : **Marked For Review**

Chosen Option : **1**

Q.10 **In the given sentence identify the segment which contains the grammatical error.**

When I met Akbar Padamsee, one of a pioneers of Indian art, he was 87 but still alert and active.

Ans ✘ 1. but still alert and active

✘ 2. When I met

✘ 3. he was 87

✔ 4. one of a pioneers of Indian art

Question ID : **424429417**

Status : **Answered**

Chosen Option : **4**

Q.11 **Select the most appropriate ANTONYM of the given word.**

SURVEILLANCE

Ans ✔ 1. Neglect

✘ 2. Vigilance

✘ 3. Attack

✘ 4. Endurance

Question ID : **424429407**

Status : **Marked For Review**

Chosen Option : **1**

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

DEMOLISH

Ans
❌ 1. Obstruct

❌ 2. Abolish

❌ 3. Cherish

✅ 4. Construct

Question ID : **424429406**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

Lenovo has launched ThinkPad XI Fold, the world's first foldable laptop which is claimed <u>to be so durable as</u> its other devices.

Ans
❌ 1. No improvement

❌ 2. to be most durable as

❌ 3. to be very durable as

✅ 4. to be as durable as

Question ID : **424429420**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the most appropriate meaning of the given idiom.

Stir up a hornet's nest

Ans
❌ 1. Call for dialogue

❌ 2. Lead a revolt

✅ 3. Provoke trouble

❌ 4. Destroy a nest

Question ID : **424429423**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the correct indirect form of the given sentence.

"Do you attend the film festival at Goa every year?" he asked.

Ans
✅ 1. He asked me if I attended the film festival at Goa every year.

❌ 2. He is asking me if I attended the film festival at Goa every year.

❌ 3. He had asked me if I was attending the film festival at Goa every year.

❌ 4. He asks me if I attend the film festival at Goa every year.

Question ID : **424429416**
Status : **Answered**
Chosen Option : **1**

Q.16 Given below are four jumbled sentences. Select the option that gives their correct order.

A. The most well-known among them is the Purple Frog needing immediate protection.

B. The Secret Life of Frogs is the first ever film on the Amphibians of India.

C. The film has been shot extensively in the Western Ghats.

D. It showcases unique species of frogs which are critically endangered.

Ans   ✗ 1. DCBA

✔ 2. BCDA

✗ 3. BCAD

✗ 4. CBDA

Question ID : **424429419**

Status : **Answered**

Chosen Option : **2**

Q.17 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

It is reported that everyday <u>India witnessing the death</u> of over 2000 babies aged less than one year.

Ans   ✗ 1. India will be witness the death

✗ 2. No improvement

✔ 3. India witnesses the death

✗ 4. India witness the death

Question ID : **424429421**

Status : **Marked For Review**

Chosen Option : **4**

Q.18 Given below are four jumbled sentences. Select the option that gives their correct order.

A. This test is conducted on the fully automated Driving Test Track designed by Maruti Suzuki.

B. Each of these specific skills are to be tested and need to be completed successfully in under seven minutes by the candidate.

C. It is a fully-automated track having six segments to test specific driving skills.

D. The Regional Transport Offices of Delhi have recently introduced the new driving test.

Ans   ✗ 1. BADC

✗ 2. DBAC

✔ 3. DACB

✗ 4. ADBC

Question ID : **424429405**

Status : **Answered**

Chosen Option : **3**

Q.19 Select the most appropriate synonym of the given word.

GUILE

Ans ✗ 1. Intuition

   ✓ 2. Deceit

   ✗ 3. Surfeit

   ✗ 4. Sincerity

Question ID : **424429428**
Status : **Answered**
Chosen Option : **2**

Q.20 Select the word which means the same as the group of words given.

That which is no longer useful

Ans ✓ 1. Redundant

   ✗ 2. Abundant

   ✗ 3. Reluctant

   ✗ 4. Dominant

Question ID : **424429426**
Status : **Answered**
Chosen Option : **1**

Q.21 Select the most appropriate word to fill in the blank in the given sentence.

Padamse worked like a mathematician and was a true _____ who experimented with numerous mediums.

Ans ✗ 1. adversary

   ✗ 2. literary

   ✗ 3. voluntary

   ✓ 4. visionary

Question ID : **424429430**
Status : **Marked For Review**
Chosen Option : **2**

Q.22 Select the most appropriate word to fill in the blank in the given sentence.

If the video clip of the murder had not been shared on social media, the world would likely have remained _____ of the tragedy.

Ans ✗ 1. renowned

   ✗ 2. recognised

   ✓ 3. unaware

   ✗ 4. unconfirmed

Question ID : **424429429**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the wrongly spelt word.

Ans   ✗ 1. Popularly

       ✗ 2. Beggarly

       ✗ 3. Jocularly

       ✔ 4. Sincearly

	Question ID : **424429424**
	Status : **Answered**
	Chosen Option : **4**

Q.24 In the given sentence identify the segment which contains the grammatical error.

Your skill lie in cheering up people who are stressed out, wound up or generally just annoyed.

Ans   ✗ 1. who are stressed out, wound up

       ✗ 2. in cheering up people

       ✔ 3. Your skill lie

       ✗ 4. or generally just annoyed

	Question ID : **424429418**
	Status : **Answered**
	Chosen Option : **3**

Q.25 Select the word which means the same as the group of words given.

Something that is genuine

Ans   ✗ 1. Majestic

       ✗ 2. Unreal

       ✔ 3. Authentic

       ✗ 4. Academic

	Question ID : **424429425**
	Status : **Answered**
	Chosen Option : **3**

Section : **General Intelligence**

Q.1 In a certain code language, N is coded as 30 and COT is coded as 78. How will PET be coded as in that language?

Ans   ✗ 1. 41

       ✗ 2. 100

       ✗ 3. 70

       ✔ 4. 84

	Question ID : **424429440**
	Status : **Not Answered**
	Chosen Option : **--**

Q.2 John used to buy petrol at the rate of ₹80 per litre till last month. Now he buys it at the rate of ₹85 per litre. By what percentage did the petrol price increase as compared to last month?

Ans ✔ 1. 6.25%

✘ 2. 8.35%

✘ 3. 5.5%

✘ 4. 10%

Question ID : **424429431**

Status : **Answered**

Chosen Option : **1**

Q.3 Three different positions of the same dice are shown. Select the number that will be on the face opposite to the face showing the number '1'.

Ans ✘ 1. 5

✘ 2. 3

✔ 3. 6

✘ 4. 4

Question ID : **424429449**

Status : **Answered**

Chosen Option : **3**

Q.4 निम्नलिखित शब्दों को एक तार्किक और अर्थपूर्ण क्रम में व्यवस्थित करें।

1. फ्लैट

2. गली

3. कमरा

4. अपार्टमेंट

5. शहर

Ans ✘ 1. 3, 5, 1, 4, 2

✘ 2. 5, 4, 3, 2, 1

✔ 3. 3, 1, 4, 2, 5

✘ 4. 3, 4, 1, 2, 5

Question ID : **424429438**

Status : **Answered**

Chosen Option : **3**

Q.5 How many triangles are there in the following figure?
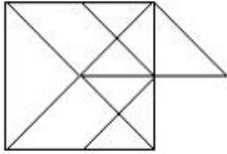
Ans
   ✗ 1. 22
   ✗ 2. 18
   ✗ 3. 21
   ✔ 4. 20

Q.6 In a certain code language, 'BROWSE' is written as 'GUYQTD'. How will 'AMALGAM' be written as in that language?

Ans
   ✗ 1. CONCICO
   ✔ 2. OCINCOC
   ✗ 3. DPMDGCP
   ✗ 4. PMDGCPD

Q.7 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All beans are meat.

2. All breads are meat.

Conclusions:

I. Some beans are breads.

II. Some breads are beans.

Ans
   ✗ 1. Both conclusions I and II follow.
   ✔ 2. Neither conclusion I nor II follows.
   ✗ 3. Either conclusion I or II follows.
   ✗ 4. Only conclusion I follows.

Q.8 Select the option that is related to the third word in the same way as the second word is related to the first word.

Work : Joule :: Area : ?

Ans
  ✗ 1. Radian

  ✗ 2. Perimeter

  ✗ 3. Length

  ✔ 4. Hectare

Question ID : **424429442**
Status : **Answered**
Chosen Option : **4**

Q.9 चार शब्द दिए गए हैं, जिनमें से तीन किसी न किसी तरह से संगत हैं और एक असंगत है। असंगत शब्द का चयन करें।

Ans
  ✗ 1. चहचहाना

  ✗ 2. मिमियाना

  ✔ 3. उछलना

  ✗ 4. हिनहिनाना

Question ID : **424429447**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the option in which the given figure is embedded. (Rotation of the figure is not allowed)

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
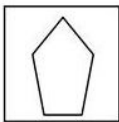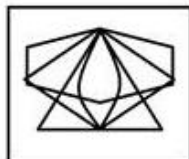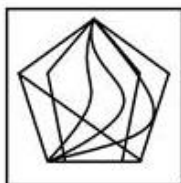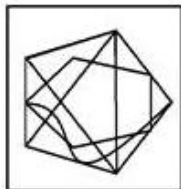
Q.11 Four letter-clusters have been given out of which three are alike in some manner, while one is different. Choose the odd one.

Ans

✗ 1. LNP

✗ 2. DFH

✗ 3. FHJ

✔ 4. TVW

Q.12 Select the option in which the numbers share the same relationship as that shared by the given number-pair.

8 : 49

Ans   ✗ 1. 9 : 87

     ✗ 2. 15 : 210

     ✗ 3. 13 : 170

     ✔ 4. 12: 121
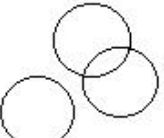
Q.13 Select the Venn diagram that best represents the relationship between the following classes.

Reptile, Mammal, Lizard

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Q.14 Select the correct combination of mathematical signs to replace 'A' sequentially from left to right and balance the following equation.

26 A 2 A 3 A 3 A 13

Ans   ✔ 1. ÷, ×, =, ×

     ✗ 2. ×, ÷, +, =

     ✗ 3. ÷, ×, =, −

     ✗ 4. ×, =, −, ÷

Q.15 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

GOAT : DQYW :: TRES : ?

Ans
- ✗ 1. HUMO
- ✗ 2. PSBU
- ✗ 3. RSDW
- ✓ 4. QTCV

Question ID : 424429441
Status : **Answered**
Chosen Option : **4**

Q.16 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(3, 68, 5)

Ans
- ✗ 1. (2, 72, 10)
- ✗ 2. (4, 64, 5)
- ✗ 3. (5, 95, 8)
- ✓ 4. (2, 10, 1)

Question ID : 424429435
Status : **Not Answered**
Chosen Option : **--**

Q.17 उस विकल्प का चयन करें, जिसमें शब्दों का आपस में वही संबंध है, जो दिए गए शब्द-युग्म के शब्दों के बीच है।

गाय : दूध

Ans
- ✗ 1. चिड़िया : उड़ना
- ✓ 2. मुर्गी : अंडा
- ✗ 3. चील : झपटना
- ✗ 4. बकरी : मिमियाना

Question ID : 424429445
Status : **Answered**
Chosen Option : **2**

Q.18 Select the combination of letters that when sequentially placed from left to right in the blanks of the given letter series will complete the series.

aba_ccdab_ _ _dababc_ _

Ans
- ✗ 1. bacacd
- ✗ 2. abdccd
- ✓ 3. bacccd
- ✗ 4. cacccd

Question ID : 424429443
Status : **Answered**
Chosen Option : **3**

**Q.19** Select the option figure that will come next in the following series.

1   2   3   4

Ans

1. ✓

2. ✗

3. ✗

4. ✗
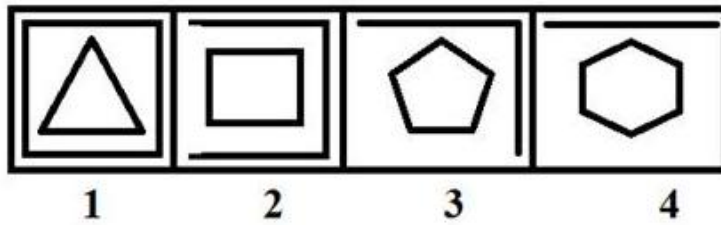
Question ID : 424429450
Status : **Answered**
Chosen Option : **1**

Q.20 Disha's salary is ₹3,000 more than Pratima's salary. The ratio of Disha's to Pratima's salary is 17 : 15, respectively. What is the salary of Pratima?

Ans

1. ₹22,500 ✓

2. ₹26,750 ✗

3. ₹25,500 ✗

4. ₹27,250 ✗

Question ID : 424429436
Status : **Answered**
Chosen Option : **1**

Q.21 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans ✗ 1. ADZW

✗ 2. NOML

✗ 3. EGVT

✔ 4. TUGD

Q.22 The sequence of folding a paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?
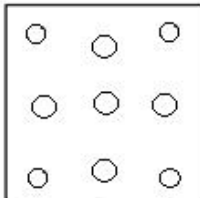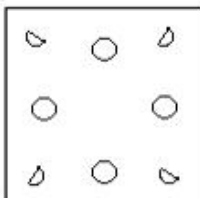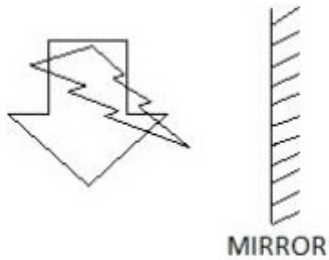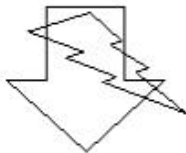

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.
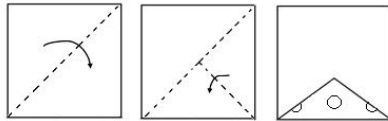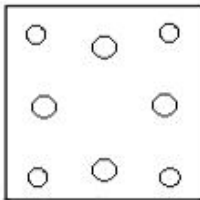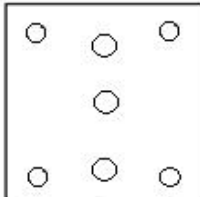
Q.23 Select the correct mirror image of the given figure.

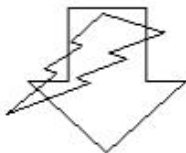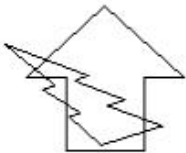
MIRROR

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **424429454**
Status : **Answered**
Chosen Option : **2**

Q.24 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(7, 15, 31)

Ans ✗ 1. (6, 13, 21)

✗ 2. (5, 625, 6)

✔ 3. (3, 7, 15)

✗ 4. (2, 17, 14)

Question ID : **424429434**
Status : **Answered**
Chosen Option : **3**

Q.25 Four numbers have been given, out of which three are alike in some manner and one is different. Select the number that is different from the rest.

Ans ✔ 1. 255

✘ 2. 212

✘ 3. 268

✘ 4. 124

Question ID : **424429437**

Status : **Answered**

Chosen Option : **1**

Section : **Quantitative Aptitude(Basic Arithmetic Skill)**

Q.1 What is the value of the following?

$$-15 + 90 \div [89 - \{9 \times 8 + (33 - 3 \times 7)\}]$$

Ans ✘ 1. 5

✘ 2. 2

✔ 3. 3

✘ 4. 4

Question ID : **424429473**

Status : **Answered**

Chosen Option : **3**

Q.2 Richa travels from A to B at the speed of 15 km/h, from B to C at 20 km/h, and from C to D at 30 km/h. If AB = BC = CD, then find the Richa's average speed.

Ans ✘ 1. 18 km/h

✘ 2. 17 km/h

✔ 3. 20 km/h

✘ 4. 19 km/h

Question ID : **424429457**

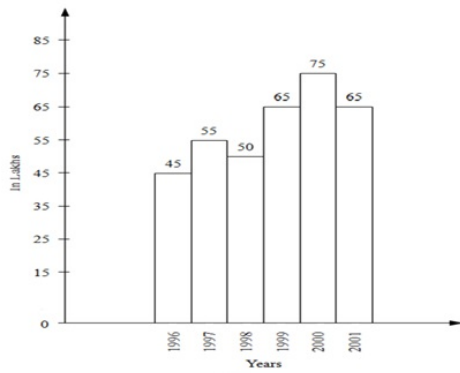Status : **Answered**

Chosen Option : **3**

Q.3 Ram sold a motorcycle for ₹70000 at 25% profit. For what price should he sell a motorcycle to gain 30% profit?

Ans ✘ 1. ₹72,700

✘ 2. ₹72,900

✔ 3. ₹72,800

✘ 4. ₹72,600

Question ID : **424429462**

Status : **Answered**

Chosen Option : **3**

Q.4 The following graph given the annual percent profit earned by a company during the period 1996-2001.
Study the graph carefully and answer the questions that follow.

$$\% \; profit = \frac{Income - Expenditure}{Expenditure} \times 100$$

The period in which the profit of the company has increased fasted is:

Ans ✔ 1. 1998-1999
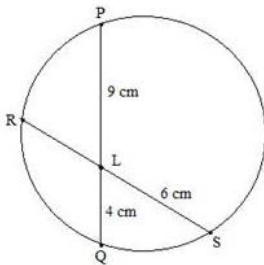
✘ 2. 2000-2001

✘ 3. 1997-1998

✘ 4. 1996-1997

Q.5 In the given figure, chords PQ and RS intersect each other at point L. Find the length of RL.

Ans ✘ 1. 3 cm

✔ 2. 6 cm

✘ 3. 8 cm

✘ 4. 2 cm

Q.6 In the given figure, BC is a chord and CD is a tangent through the point C. If $\angle AOC = 118°$, then find the $\angle ACD$.
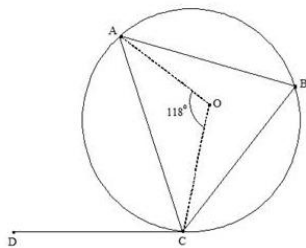
Ans
✔ 1. 59°

✘ 2. 65°

✘ 3. 56°

✘ 4. 63°

Question ID : **424429466**
Status : **Answered**
Chosen Option : **1**

Q.7 M is the circumcentre of $\triangle ABC$ with circumradius 15 cm. Let BC = 24 cm and ML is perpendicular to BC. Then the length of ML is:

Ans
✔ 1. 9 cm

✘ 2. 12 cm

✘ 3. 8 cm

✘ 4. 10 cm

Question ID : **424429468**
Status : **Answered**
Chosen Option : **1**

Q.8 The average age of 25 men is 28 years. 5 new men of an average age of 25 years joined them. Find the average age of all the men together.

Ans
✔ 1. 27.5 years

✘ 2. 29.5 years

✘ 3. 26.5 years

✘ 4. 28.5 years

Question ID : **424429459**
Status : **Answered**
Chosen Option : **1**

Q.9 Which of the following options is completely divisible by 11

Ans ✗ 1. 809781

✗ 2. 107611

✗ 3. 116571

✔ 4. 963391

Question ID : **424429472**
Status : **Answered**
Chosen Option : **4**

Q.10 If $a + b + c = 2$, $\frac{1}{a}+\frac{1}{b}+\frac{1}{c}=0$, $ac=\frac{4}{b}$ and $a^3+b^3+c^3 = 28$, find the value of $a^2 + b^2 + c^2$.

Ans ✔ 1. 8

✗ 2. 6

✗ 3. 10

✗ 4. 12

Question ID : **424429471**
Status : **Marked For Review**
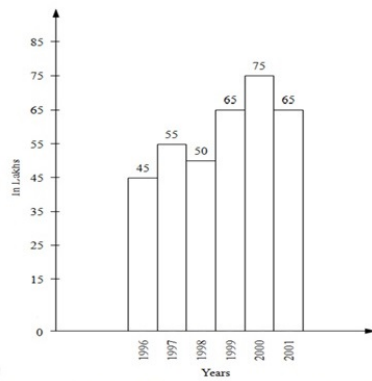Chosen Option : **1**

Q.11 If $x - 2y = 3$ and $xy = 5$, find the value of $x^2 - 4y^2$.

Ans ✗ 1. 22

✗ 2. 20

✗ 3. 23

✔ 4. 21

Question ID : **424429469**
Status : **Answered**
Chosen Option : **4**

Q.12 The following graph given the annual percent profit earned by a company during the period 1996-2001.
Study the graph carefully and answer the questions that follow.

$$\% \; profit = \frac{Income - Expenditure}{Expenditure} \times 100$$

The expenditure of the company during the year 1996 was ₹30 crores. The income of the company in that year was (in crores ₹):

Ans

✔ 1. 43.5

✘ 2. 45

✘ 3. 44.5

✘ 4. 44

Q.13 ₹6,300 is divided between X, Y, Z, such that X : Y = 7 : 5 and Y : Z = 4 : 3. Find the share of Y.

Ans

✘ 1. ₹1,800

✔ 2. ₹2,000

✘ 3. ₹2,200

✘ 4. ₹2,400

Q.14

If $\dfrac{\cos\theta + \sin\theta}{\cos\theta - \sin\theta} = 8$, then the value of $\cot\theta$ is equal to:

Ans

✗ 1. $\dfrac{6}{5}$

✓ 2. $\dfrac{9}{7}$

✗ 3. $\dfrac{7}{6}$

✗ 4. $\dfrac{8}{7}$

Question ID : **424429474**

Status : **Answered**

Chosen Option : **2**

Q.15 List the price of a bike is 15% more than it's cost price. It is sold at a discount of 20%. Find the dealer's loss or profit percentage.

Ans

✗ 1. Profit 8%

✗ 2. Profit 9%

✗ 3. Loss 9%

✓ 4. Loss 8%

Question ID : **424429460**

Status : **Answered**

Chosen Option : **3**

Q.16 Kavita's attendance in her school for the academic session 2018-2019 was 216 days. On computing her attendance, it was observed that her attendance was 90%. The total working days of the school were:

Ans

✗ 1. 194

✗ 2. 250

✓ 3. 240

✗ 4. 195

Question ID : **424429461**

Status : **Answered**

Chosen Option : **3**

Q.17

If $\cos(x - y) = \dfrac{\sqrt{3}}{2}$ and $\sin(x + y) = \dfrac{1}{2}$, then the value of x $(0 < x < 90)$ is:

Ans

✗ 1. 60°

✗ 2. 15°

✗ 3. 45°

✓ 4. 30°

Question ID : **424429476**

Status : **Answered**

Chosen Option : **4**

Q.18 The least value of $8 cosec^2\theta + 25 sin^2\theta$ is:

Ans
✗ 1. $40\sqrt{2}$

✗ 2. $30\sqrt{2}$

✗ 3. $10\sqrt{2}$

✔ 4. $20\sqrt{2}$

Question ID : **424429475**

Status : **Answered**

Chosen Option : **4**

Q.19 In ΔXYZ , L and M are the middle points of the sides XY and XZ, respectively. R is a point on the segment LM, such that LR : RM = 1 : 2. If LR = 3 cm, then YZ is equal to:

Ans
✗ 1. 16 cm

✔ 2. 18 cm

✗ 3. 19 cm

✗ 4. 17 cm

Question ID : **424429467**

Status : **Answered**

Chosen Option : **2**

Q.20 The given graph shows the pass percentage of students taught by six teachers of a school in the Senior Secondary Board exam.
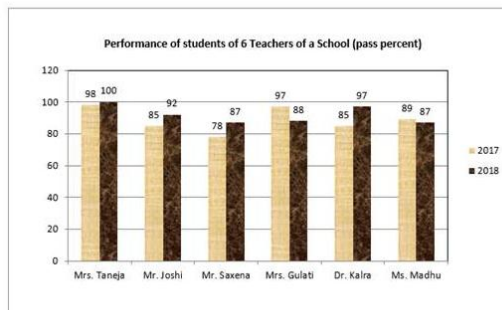
Identify the teacher whose students have shown the maximum improvement.

Ans
✗ 1. Mr. Joshi

✗ 2. Mr. Saxena

✗ 3. Mrs. Taneja

✔ 4. Dr. Kalra

Question ID : **424429479**

Status : **Answered**

Chosen Option : **4**

Q.21 The diagonal of rectangle is 15 cm and length is 12 cm. Find the area of the rectangle.

Ans
  ✗ 1. 114 cm^2
  ✓ 2. 108 cm^2
  ✗ 3. 116 cm^2
  ✗ 4. 112 cm^2

Question ID : **424429458**
Status : **Answered**
Chosen Option : **2**

Q.22 In how many years shall ₹3,500 invested at the rate of 10% simple interest per annum, amount to ₹4,500?

Ans
  ✗ 1. $2\frac{5}{7}$ years
  ✗ 2. $2\frac{3}{7}$ years
  ✗ 3. $2\frac{4}{7}$ years
  ✓ 4. $2\frac{6}{7}$ years

Question ID : **424429464**
Status : **Answered**
Chosen Option : **4**

Q.23 If cot A = k, then sin A is equal to:

(presume that A is an acute angle)

Ans
  ✓ 1. $\dfrac{1}{\sqrt{1+k^2}}$
  ✗ 2. $\dfrac{1}{k}$
  ✗ 3. $\dfrac{k^2}{\sqrt{1+k^2}}$
  ✗ 4. $-\dfrac{1}{k}$

Question ID : **424429470**
Status : **Answered**
Chosen Option : **1**

Q.24 The following graph represents the annual percentage profit earned by a company during the period 1996 - 2001. Study the graph carefully and answer the questions that follow.

$$\% \, profit = \frac{Income - Expenditure}{Expenditure} \times 100$$
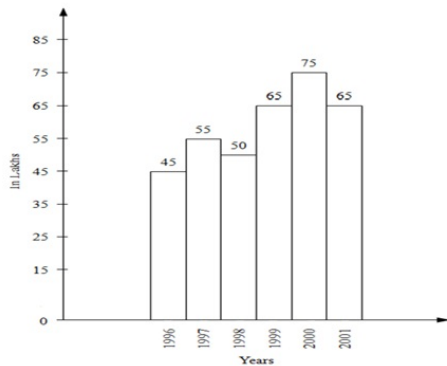
The profit earned by the company is maximum in the year:

Ans ✗ 1. 1999

✗ 2. 1996

✗ 3. 2001

✔ 4. 2000

Question ID : **424429477**
Status : **Answered**
Chosen Option : **4**

Q.25 15 men can complete a task in 10 days. In how many days can 20 men complete the same task?

Ans ✗ 1. 8.5 days

✔ 2. 7.5 days

✗ 3. 5.5 days

✗ 4. 6.5 days

Question ID : **424429456**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

Q.1 On 2 December 2019, who became the first female pilot of the Indian Navy?

Ans ✔ 1. Shivangi

✗ 2. Punita Arora

✗ 3. Bhawana Kanth

✗ 4. Sarla Thakral

Question ID : **424429486**
Status : **Answered**
Chosen Option : **1**

Q.2 'Saga Dawa' is one of the biggest Buddhist festivals. In which one of the following states is it celebrated?

Ans ✖ 1. Jharkhand

   ✔ 2. Sikkim

   ✖ 3. Odisha

   ✖ 4. Kerala

Question ID : **424429483**

Status : **Not Answered**

Chosen Option : **--**

Q.3 Which of the following Bollywood veterans was chosen for the 66th Dadasaheb Phalke Award for 2018?

Ans ✖ 1. Ashutosh Rana

   ✖ 2. Shatrughan Sinha

   ✔ 3. Amitabh Bachchan

   ✖ 4. Nana Patekar

Question ID : **424429485**

Status : **Answered**

Chosen Option : **3**

Q.4 Which is the second largest river basin in India that covers 10% of the country's area?

Ans ✖ 1. Mahanadi

   ✖ 2. Krishna

   ✖ 3. Narmada

   ✔ 4. Godavari

Question ID : **424429493**

Status : **Answered**

Chosen Option : **1**

Q.5 Who founded the Indian Statistical Institute (ISI) in Calcutta?

Ans ✔ 1. Prasanta Chandra Mahalanobis

   ✖ 2. Subhendu Sekhar Bose

   ✖ 3. JM Sengupta

   ✖ 4. RN Mookerjee

Question ID : **424429488**

Status : **Not Answered**

Chosen Option : **--**

Q.6 The Atrial wall of the human heart secretes a very important peptide hormone. What is the name of that hormone?

Ans ✗ 1. GIP

  ✔ 2. ANF

  ✗ 3. ADH

  ✗ 4. CCK

Question ID : **424429492**
Status : **Answered**
Chosen Option : **3**

Q.7 How many times did Pankaj Advani win the 'IBSF World Billiards Championship'?

Ans ✗ 1. 20

  ✔ 2. 22

  ✗ 3. 24

  ✗ 4. 21

Question ID : **424429505**
Status : **Answered**
Chosen Option : **3**

Q.8 Which article of the Constitution of India mentions that the Lok Sabha must have a Speaker and a Deputy Speaker?

Ans ✔ 1. Article 93

  ✗ 2. Article 97

  ✗ 3. Article 85

  ✗ 4. Article 100

Question ID : **424429502**
Status : **Not Answered**
Chosen Option : **--**

Q.9 With which of the following sports is Bhamidipati Sai Praneeth associated?

Ans ✗ 1. Cricket

  ✗ 2. Tennis

  ✔ 3. Badminton

  ✗ 4. Hockey

Question ID : **424429503**
Status : **Not Answered**
Chosen Option : **--**

Q.10 In which process is a protective zinc coating applied on iron to prevent it from rusting?

Ans ✔️ 1. Galvanisation

❌ 2. Annealing

❌ 3. Smelting

❌ 4. Welding

Question ID : **424429491**	
Status : **Answered**	
Chosen Option : **1**	

Q.11 Who became the first player in history to win the 'Sir Garfield Sobers Trophy' for 'ICC Cricketer of the Year'?

Ans ❌ 1. Sachin Tendulkar

✔️ 2. Virat Kohli

❌ 3. Ravichandran Ashwin

❌ 4. Mahendra Singh Dhoni

Question ID : **424429504**	
Status : **Answered**	
Chosen Option : **3**	

Q.12 What is the range of the intensity scale used in measuring earthquakes?

Ans ❌ 1. 1 to 7

✔️ 2. 1 to 12

❌ 3. 1 to 15

❌ 4. 1 to 5

Question ID : **424429482**	
Status : **Answered**	
Chosen Option : **4**	

Q.13 In the context of the mesosphere, which of the following statements is NOT correct?

Ans ❌ 1. It is directly above the stratosphere.

❌ 2. Meteorites burn up in this layer on entering from the space.

❌ 3. It is the third layer of the atmosphere.

✔️ 4. In this layer temperature rises very rapidly with increasing height.

Question ID : **424429495**	
Status : **Marked For Review**	
Chosen Option : **2**	

Q.14 Which Indian actress was chosen for the '2020 Crystal Award' given by the World Economic Forum for spreading awareness about mental health?

Ans ✗ 1. Vidya Balan

✗ 2. Kangana Ranaut

✓ 3. Deepika Padukone

✗ 4. Priyanka Chopra

Question ID : **424429500**

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

Chosen Option : **--**

Q.15 Which forest is also referred to as 'Monsoon Forests'?

Ans ✓ 1. Tropical Deciduous Forests

✗ 2. Tropical Evergreen Forests

✗ 3. Mangrove Forests

✗ 4. Montane Forests

Question ID : **424429494**

Status : **Answered**

Chosen Option : **2**

Q.16 What disease is caused by insulin deficiency?

Ans ✗ 1. Scleroderma

✗ 2. Multiple Sclerosis

✓ 3. Diabetes mellitus

✗ 4. Rheumatoid arthritis (RA)

Question ID : **424429490**

Status : **Answered**

Chosen Option : **3**

Q.17 In a computer, which unit is responsible for processing data and is also called the electronic brain of the computer?

Ans ✗ 1. RAM

✗ 2. Keyboard

✓ 3. Central Processing Unit (CPU)

✗ 4. Hard Disk

Question ID : **424429481**

Status : **Answered**

Chosen Option : **3**

Q.18 Who was best known for hoisting the Indian National Congress flag at the Gowalia Tank maidan in Bombay during the Quit India Movement?

Ans ✔ 1. Aruna Asaf Ali

✘ 2. Lakshmi Sahgal

✘ 3. Kanaklata Barua

✘ 4. Bhikaiji Rustom Cama

Question ID : **424429498**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Which of the following is INCORRECTLY paired?

Ans ✔ 1. Pedology – Phyto geography

✘ 2. Hydrology – Oceanography

✘ 3. Anthropology – Cultural geography

✘ 4. Demography – Population geography

Question ID : **424429496**
Status : **Answered**
Chosen Option : **1**

Q.20 'Aatish-i-Chinar' (Flames of Chinar) is the autobiography of which politician?

Ans ✘ 1. APJ Abdul Kalam

✘ 2. Benazir Bhutto

✘ 3. M Hidyatullah

✔ 4. Sheikh Muhammad Abdullah

Question ID : **424429499**
Status : **Not Answered**
Chosen Option : **--**

Q.21 According to the Economist Intelligence Unit (EIU), what is India's rank in the 2019 worldwide Index of Cancer Preparedness (ICP)?

Ans ✘ 1. 15

✘ 2. 10

✘ 3. 28

✔ 4. 19

Question ID : **424429489**
Status : **Answered**
Chosen Option : **2**

Q.22 Who introduced the 'Doctrine of Lapse'?

Ans ✗ 1. Lord Wellesley

✗ 2. Lord Lytton

✓ 3. Lord Dalhousie

✗ 4. Lord Canning

Question ID : **424429497**

Status : **Answered**

Chosen Option : **3**

Q.23 On which day is Constitution Day celebrated every year in India?

Ans ✗ 1. 30 November

✗ 2. 15 October

✓ 3. 26 November

✗ 4. 2 October

Question ID : **424429501**

Status : **Answered**

Chosen Option : **3**

Q.24 In which year were the 'Kalbelia' folk songs and dances of Rajasthan included in UNESCO's representative list of Intangible Cultural Heritage?

Ans ✗ 1. 2012

✓ 2. 2010

✗ 3. 2017

✗ 4. 2015

Question ID : **424429484**

Status : **Answered**

Chosen Option : **4**

Q.25 Which of the following companies was chosen for the UN Global Climate Action Award in the 'Carbon Neutral Now' category in September 2019?

Ans ✗ 1. Reliance Health

✓ 2. Infosys

✗ 3. Wipro

✗ 4. Organic India

Question ID : **424429487**

Status : **Not Answered**

Chosen Option : **--**