Combined Higher Secondary Level Examination 2021 Tier I

Roll Number	
Candidate Name	
Venue Name	Indraprastha Public School
Exam Date	08/06/2022
Exam Time	12:30 PM - 1:30 PM
Subject	CHSL 2021 Tier I

Section : **English Language**

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

Ans ✗ 1. Cruelty

✓ 2. Cunning

✗ 3. Reliability

✗ 4. Exception

Question ID : **26433039770**
Status : **Answered**
Chosen Option : **2**

Q.2 **Select the most appropriate ANTONYM of the given word.**
Frivolous

Ans ✗ 1. Popular

✗ 2. Reputed

✗ 3. Nervous

✓ 4. Serious

Question ID : **26433039829**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the option that will improve the underlined part of the given sentence.**
Don't provoke Harsha, otherwise, she will give you a slap.

Ans ✗ 1. Do not vacillate Harsha

✓ 2. Do not exasperate Harsha

✗ 3. Do not hesitate Harsha

✗ 4. Do not equivocate Harsha

Question ID : **26433045400**
Status : **Answered**
Chosen Option : **1**

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

We're asking them to _____ the deadline.

Ans ✗ 1. increase

✗ 2. enlarge

✗ 3. broaden

✓ 4. extend

Question ID : **26433042831**
Status : **Answered**
Chosen Option : **4**

Q.5 Select the most appropriate ANTONYM of the highlighted word.
His action doesn't warrant such a punishment.

Ans ✗ 1. triumph

✗ 2. support

✗ 3. captivate

✓ 4. breach

Question ID : **26433045489**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Select the sentence which has no spelling error.

Ans ✓ 1. When Reema saw her mother, she was in ecstasy.

✗ 2. Students got in acstasy during inter college baseball match.

✗ 3. Sandeep was in ektasy when his son won a scholarship.

✗ 4. My cousin closed his eyes in extasy at the thought of coffee.

Question ID : **26433043115**
Status : **Answered**
Chosen Option : **1**

Q.7 Select the option that can be used as a one-word substitute for the given group of words.
One who makes an active effort to promote human welfare

Ans ✓ 1. Philanthropist

✗ 2. Philosopher

✗ 3. Philanderer

✗ 4. Physicist

Question ID : **26433039816**
Status : **Answered**
Chosen Option : **1**

Q.8 Select the option that expresses the given sentence in passive voice.
I am training a new batch of officers now.

Ans ✗ 1. A new batch of officers are trained now.

✗ 2. A new batch of officers were being trained by me now.

✗ 3. A new batch of officers are training me now.

✓ 4. A new batch of officers is being trained by me.

Question ID : **26433043045**
Status : **Answered**
Chosen Option : **4**

Q.9 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'.
<u>We are waiting</u> for the minister for the last two hours.

Ans ✓ 1. We have been waiting

✗ 2. No substitution required

✗ 3. We were waiting

✗ 4. We would be waiting

Question ID : **26433039917**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the option that expresses the given sentence in passive voice.
Teachers love their students.

Ans ✗ 1. Students are being loved by their teachers.

✓ 2. Students are loved by their teachers.

✗ 3. Students have been loved by their teachers

✗ 4. Students will be loved by their teachers.

Question ID : **26433039951**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the most appropriate synonym of the given word.
Benign

Ans ✗ 1. Beneficiary

✗ 2. Boisterous

✓ 3. Benevolent

✗ 4. Boring

Question ID : **26433039769**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the option that will improve the underlined part of the given sentence.
I find playing chess to be difficult than playing poker.

Ans ✓ 1. to be more difficult

✗ 2. to be lesser difficult

✗ 3. to be most difficult

✗ 4. to be same difficult

Question ID : **26433043004**
Status : **Answered**
Chosen Option : **1**

Q.13 Select the most appropriate meaning of the given idiom.
In your birthday suit

Ans ✓ 1. Not wearing any clothes

✗ 2. A suit which covers one's entire body

✗ 3. Birthday celebrations

✗ 4. A suit which is designed for only birthday functions

Question ID : **26433039787**
Status : **Answered**
Chosen Option : **3**

Q.14 Select the option that can be used as a one-word substitute for the given group of words.
A person who loves and collects books

Ans ✗ 1. Booker

✓ 2. Bibliophile

✗ 3. Bookworm

✗ 4. Biographer

Question ID : **26433042954**
Status : **Answered**
Chosen Option : **2**

Q.15 Select the most appropriate meaning of the highlighted idiom.
The coach was trying to twist the player's arm by asking him to practice throughout the day.

Ans ✔ 1. To try to force someone to do something

✘ 2. To refrain from resting

✘ 3. To train someone in warfare

✘ 4. To console the weak

Question ID : **26433045503**
Status : **Answered**
Chosen Option : **1**

Q.16 Select the option that expresses the given sentence in passive voice.
I need to evaluate all the options available by the end of this month.

Ans ✘ 1. All the options available will be needed to evaluate by the end of this month.

✘ 2. I needed to evaluate all the options by the end of this month.

✘ 3. All the options will be needing evaluation with the end of this month.

✔ 4. All the options available need to be evaluated by me by the end of this month.

Question ID : **26433043042**
Status : **Answered**
Chosen Option : **4**

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

Ans ✘ 1. Extremist

✔ 2. Tolerant

✘ 3. Lunatic

✘ 4. Fantastic

Question ID : **26433039765**
Status : **Answered**
Chosen Option : **2**

Q.18 Select the INCORRECTLY spelt word.

Ans ✔ 1. Occesion

✘ 2. Humorous

✘ 3. Mysterious

✘ 4. Scissors

Question ID : **26433039859**
Status : **Answered**
Chosen Option : **1**

Q.19 Select the most appropriate meaning of the given idiom.
Cast aside

Ans ✘ 1. To blow up

✘ 2. To bear with

✘ 3. To display

✔ 4. To reject

Question ID : **26433042937**
Status : **Answered**
Chosen Option : **4**

Q.20 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. People post images of their cuisine, daily cosmetic routines, shopping videos, and dance videos.
B. Uploading photos to social networking sites has grown popular in today's society.
C. Because of the rising influence of social media on people, they want to constantly appear their best.
D. Therefore people have become more image sensors and begun to prioritise personal care.

Ans ✗ 1. ABCD

✗ 2. BCAD

✗ 3. ACBD

✓ 4. BACD

Question ID : **26433042888**
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.
Conservation of water is not the (1)_____ of only the government. Common citizens can also make a significant (2)_____ in this field. To begin with, we must be conscious that water is life, that it is a precious natural resource and needs to be used (3)_____. Being conscious will help us to avoid (4)_____. There are a few simple things that all of us can do. We must not use (5)_____ water to clean our car or house.

SubQuestion No : 21

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

Ans ✓ 1. Responsibility

✗ 2. Facility

✗ 3. Complexity

✗ 4. Opportunity

Question ID : **26433045635**
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.
Conservation of water is not the (1)_____ of only the government. Common citizens can also make a significant (2)_____ in this field. To begin with, we must be conscious that water is life, that it is a precious natural resource and needs to be used (3)_____. Being conscious will help us to avoid (4)_____. There are a few simple things that all of us can do. We must not use (5)_____ water to clean our car or house.

SubQuestion No : 22

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

Ans ✗ 1. Summation

✗ 2. Indication

✗ 3. Connection

✓ 4. Contribution

Question ID : **26433045636**
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.
Conservation of water is not the (1)_____ of only the government. Common citizens can also make a significant (2)_____ in this field. To begin with, we must be conscious that water is life, that it is a precious natural resource and needs to be used (3)_____. Being conscious will help us to avoid (4)_____. There are a few simple things that all of us can do. We must not use (5)_____ water to clean our car or house.

SubQuestion No : 23

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

Ans   ✗ 1. effectively

       ✗ 2. hopefully

       ✗ 3. carelessly

       ✔ 4. judiciously

Question ID : **26433045637**
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.
Conservation of water is not the (1)_____ of only the government. Common citizens can also make a significant (2)_____ in this field. To begin with, we must be conscious that water is life, that it is a precious natural resource and needs to be used (3)_____. Being conscious will help us to avoid (4)_____. There are a few simple things that all of us can do. We must not use (5)_____ water to clean our car or house.

SubQuestion No : 24

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

Ans   ✗ 1. extraction

       ✗ 2. greed

       ✔ 3. wastage

       ✗ 4. storage

Question ID : **26433045638**
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.
Conservation of water is not the (1)_____ of only the government. Common citizens can also make a significant (2)_____ in this field. To begin with, we must be conscious that water is life, that it is a precious natural resource and needs to be used (3)_____. Being conscious will help us to avoid (4)_____. There are a few simple things that all of us can do. We must not use (5)_____ water to clean our car or house.

SubQuestion No : 25

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

Ans   ✗ 1. sewage

       ✗ 2. stored

       ✗ 3. cold

       ✔ 4. drinking

Question ID : **26433045639**
Status : **Answered**
Chosen Option : **4**

Section : **General Intelligence**

Q.1 Select the correct combination of mathematical signs to sequentially replace the * signs and balance the given equation.

57*35*7*14*2*71

Ans   ✗ 1. ×, +, ÷,−, =

     ✗ 2. −,÷,+,×, =

     ✗ 3. +, ÷,−,×, =

     ✔ 4. −,+, ×,÷, =

Question ID : **26433043597**	
Status : **Answered**	
Chosen Option : **4**	

Q.2 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number-pairs EXCEPT one. Find that odd number-pair.

Ans   ✗ 1. 169 : 10

     ✗ 2. 196 : 11

     ✗ 3. 64 : 5

     ✔ 4. 36 : 2

Question ID : **26433040353**	
Status : **Answered**	
Chosen Option : **4**	

Q.3 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

REMOVAL : MEROLAV :: TYPICAL : PYTILAC :: NUCLEAR : ?

Ans   ✗ 1. CUNRLAE

     ✗ 2. CUNLREA

     ✗ 3. CUNRAEL

     ✔ 4. CUNLRAE

Question ID : **26433040264**	
Status : **Answered**	
Chosen Option : **4**	

Q.4 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

M

p r s 3 7 4 |

N

Ans   ✗ 1.

     ✗ 2.

     ✗ 3.

     ✔ 4.

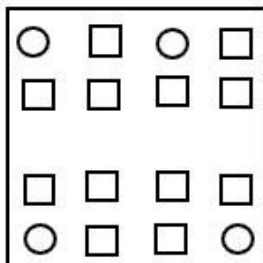|	
Question ID : **26433040324**	
Status : **Answered**	
Chosen Option : **4**	

Q.5 A paper is folded and cut as shown. How will it appear when unfolded?

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
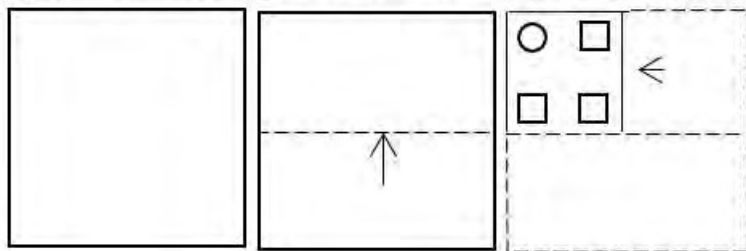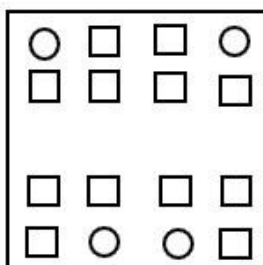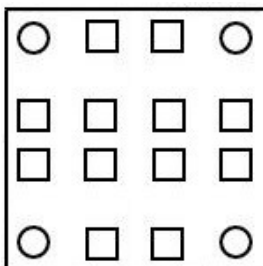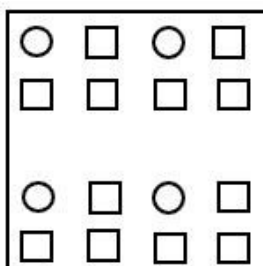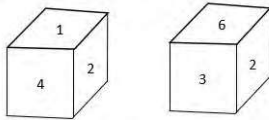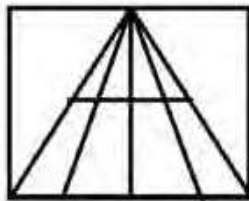
Q.6 Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be the result of the sum of 2 and the number appearing opposite to '2'.

Ans ✗ 1. 10

 ✓ 2. 7

 ✗ 3. 9

 ✗ 4. 8

Q.7 How many triangles are there in the given figure?

Ans ✗ 1. 19

 ✗ 2. 20

 ✗ 3. 21

 ✓ 4. 22

Q.8 Select the correct mirror image of the given combination when the mirror is placed at XY as shown.
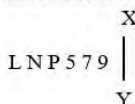
X
LNP579 |
Y

Ans ✗ 1. �`TNԀՏᄂ6`

 ✓ 2. `ɘᄃՏԳИᴌ`

 ✗ 3. `ᴌNԀᏕᄂ9`

 ✗ 4. `Ꮥᄂ9ᴌИԀ`

Q.9 Select the option that represents the letters that, when placed from left to right in the given blanks, will complete the letter series.
J _ M K L J J _ K L J J _ K L _ J P _ L

Ans ✓ 1. J N O J K

 ✗ 2. J N J K O

 ✗ 3. N J K J O

 ✗ 4. N J J O K

Q.10 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(25,19,14)
(50, 28, 30)
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)

Ans   ✗ 1. (41, 24, 36)

       ✗ 2. (31, 20, 25)

       ✗ 3. (24, 17, 21)

       ✔ 4. (35, 22, 21)

Question ID : **26433043220**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.11 If 1st August 2009 was a Saturday, then what was the day of the week on 1st August 2013?

Ans   ✗ 1. Saturday

       ✔ 2. Thursday

       ✗ 3. Friday

       ✗ 4. Sunday

Question ID : **26433040439**	
Status : **Answered**	
Chosen Option : **2**	

Q.12 Which of the following numbers will replace the question mark (?) in the given series?
7, 19, 4, ?, 1, 25

Ans   ✗ 1. 15

       ✔ 2. 22

       ✗ 3. 18

       ✗ 4. 21

Question ID : **26433040579**	
Status : **Answered**	
Chosen Option : **2**	

Q.13 In a certain code language, 'GREEN' is written as 'HTHIS' and 'SAFFRON' is written as 'TCIJWUU'. How will 'WHITE' be written in that language?

Ans   ✔ 1. XJLXJ

       ✗ 2. XJLWJ

       ✗ 3. XLLXJ

       ✗ 4. XJLVJ

Question ID : **26433045044**	
Status : **Answered**	
Chosen Option : **1**	

Q.14 In a certain code language, 'I know you' is written as 'Ha Hi He', 'I Like French' is written as 'Ho Hu Ha' and 'You like me' is written as 'He Ho Haa'. How will 'me' be written in that language?

Ans ✔ 1. Haa

✘ 2. Hu

✘ 3. Ha

✘ 4. Hi

Question ID : **26433043423**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

13 : 195 :: 7 : 63 :: 18 : ?

Ans ✔ 1. 360

✘ 2. 330

✘ 3. 378

✘ 4. 342

Question ID : **26433043300**
Status : **Answered**
Chosen Option : **1**

Q.16 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

Ans ✘ 1. 9:125

✔ 2. 11:49

✘ 3. 13:343

✘ 4. 7:64

Question ID : **26433043571**
Status : **Answered**
Chosen Option : **2**

Q.17 If 15 August 2001 was Wednesday, then what was the day of the week on 2 October 2001?

Ans ✘ 1. Sunday

✘ 2. Monday

✔ 3. Tuesday

✘ 4. Wednesday

Question ID : **26433040667**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the correct combination of mathematical signs to sequentially replace the *
signs and to balance the given equation.
16*2*4*8*10*30

Ans ✓ 1. ÷,×,+,−, =

✗ 2. ÷,×,−,+, =

✗ 3. ×, ÷,−,+, =

✗ 4. −,+,×,÷,=

Q.19 Three Statements are given followed by Three conclusions numbered I, II and III.
Assuming the statements to be true, even if they seem to be at variance with
commonly known facts, decide which of the conclusions logically follow(s) from the
statements.
Statements:
All ices are blues.
No ice is yellow.
Some pinks are ices.
Conclusions:
I. Some yellows are blues.
II. No pink is blue.
III. No yellow is blue.

Ans ✓ 1. None of the conclusions follow.

✗ 2. Both conclusions I and II follow.

✗ 3. Both conclusions I and III follow.

✗ 4. Only conclusion II follows.

Q.20 Select the correct combination of mathematical signs to replace the * signs and to
balance the given equation.
14*18*7*79*33

Ans ✗ 1. +,×,=,−

✗ 2. +,−,=,×

✓ 3. =,×,−,−

✗ 4. −,=,×,+

Q.21 Select the correct combination of mathematical signs to sequentially replace the *
signs and to balance the given equation
60*6*3*18*49*5

Ans ✗ 1. ×, +, ÷, −, =

✗ 2. ÷, +, −, ×, =

✗ 3. ×, +, −, ÷, =

✓ 4. ÷, −, ×, +, =

Q.22 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

M

w j 3 5 m 2 |

N
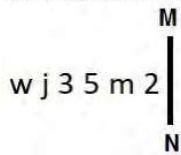
Ans   ✗ 1.   Ƨ ɯ Ƨ 5 ɯ 2
      ✓ 2.   Ƨ m Ƨ 5 ɯ 2
      ✗ 3.   Ƨ ɯ Ƨ 5 ε ɾ ɯ
      ✗ 4.   Ƨ m Ƨ 5 ε j w

Question ID : **26433040544**

Status : **Answered**

Chosen Option : **2**

Q.23 In a certain code language, 'PENCIL' is written as '1771771418' and 'ERASER' is written as '6204231024'. How will 'SHARPNER' be written in that language?

Ans   ✓ 1. 201042221201226
      ✗ 2. 201042221201227
      ✗ 3. 201042221201224
      ✗ 4. 201042221201223

Question ID : **26433040760**

Status : **Answered**

Chosen Option : **1**

Q.24 Which letter-cluster will replace the question mark (?) to complete the given series?
HSDA, IZQT, ?, KNQF, LUDY

Ans   ✗ 1. JUEW
      ✓ 2. JGDM
      ✗ 3. JKDS
      ✗ 4. JBCR

Question ID : **26433044975**

Status : **Answered**

Chosen Option : **2**

Q.25 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row - 67, 25, 101
Second row - 55, 17, 97
Third row - 45, 19, ?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans   ✗ 1. 67
      ✗ 2. 73
      ✗ 3. 92
      ✓ 4. 59

Question ID : **26433044970**

Status : **Not Answered**

Chosen Option : **--**

Q.1 If $\sin\theta = \frac{12}{13}, 0 < \theta < 90°$, then $\frac{\sin^2\theta - \cos^2\theta}{2\sin\theta . \cos\theta} \times \frac{1}{\tan^2\theta} =$ _____.

Ans

✗ 1. $\frac{295}{3456}$

✗ 2. $\frac{590}{3542}$

✗ 3. $\frac{695}{3542}$

✓ 4. $\frac{595}{3456}$

Question ID : 26433044144
Status : **Answered**
Chosen Option : **4**

Q.2 What is the value of the following expression?

$$2^2 \left(\frac{x^a}{x^b}\right)^{(a+b)} \times 3^2 \left(\frac{x^b}{x^c}\right)^{(b+c)} \times 6^{-2} \left(\frac{x^c}{x^a}\right)^{(a+c)}$$

Ans

✓ 1. 1

✗ 2. 0

✗ 3. 4

✗ 4. 9

Question ID : 26433038666
Status : **Answered**
Chosen Option : **1**

Q.3 What value must be given to '*' to make 6347*25 exactly divisible by 11?

Ans

✗ 1. 1

✗ 2. 2

✓ 3. 8

✗ 4. 0

Question ID : 26433039228
Status : **Answered**
Chosen Option : **3**

Q.4 The average weight of each box in a consignment of 20 boxes of mangoes and 15 boxes of apples is 30 kg. If the average weight of a box of mangoes is 35 kg, then what is the average weight of a box of apples?

Ans

✓ 1. $\frac{70}{3}$ kg

✗ 2. $\frac{75}{2}$ kg

✗ 3. $\frac{70}{5}$ kg

✗ 4. $\frac{26}{5}$ kg

Question ID : 26433039230
Status : **Answered**
Chosen Option : **1**

Q.5 The average runs of a cricket player in 20 matches is 30. If the average of the first 12 matches is 40, find the average of the last 8 matches.

Ans ✗ 1. 14

✓ 2. 15

✗ 3. 16

✗ 4. 18

Question ID : **26433041293**

Status : **Answered**

Chosen Option : **2**

Q.6 The following table shows the number of students of seven colleges participating in extra-curricular activities. Study the table and answer the question that follows.

College → / Extra-Curricular Activities	A	B	C	D	E	F	G
I	150	250	450	50	350	250	150
II	50	150	150	50	50	50	50
III	100	50	400	125	100	500	150
IV	250	125	350	275	250	150	150

The colleges in which the minimum number of students participate in extra-curricular activities are:

Ans ✗ 1. E and G

✗ 2. A and E

✓ 3. D and G

✗ 4. B and D

Question ID : **26433039180**

Status : **Answered**

Chosen Option : **3**

Q.7 If $x - \dfrac{1}{x} = 11$ and $x > 0$, what is the value of $\left(x^2 - \dfrac{1}{x^2}\right)$?

Ans ✗ 1. $-11\sqrt{123}$

✓ 2. $55\sqrt{5}$

✗ 3. $11\sqrt{123}$

✗ 4. $-55\sqrt{5}$

Question ID : **26433043997**

Status : **Answered**

Chosen Option : **2**

Q.8 The ratio of the cost price to the marked price of an article is 4 : 7. A discount of 25% is given on the marked price and the shopkeeper made a profit of ₹50. Find the cost price of the article.

Ans
✓ 1. ₹160

✗ 2. ₹165

✗ 3. ₹150

✗ 4. ₹155

Question ID : **26433041303**
Status : **Answered**
Chosen Option : **1**

Q.9 A shopkeeper claims that he is selling sugar at Rs.27/kg which cost him Rs.30/kg, but he gives 750 grams instead of 1000 grams. What is his profit or loss percentage?

Ans
✗ 1. 10% loss

✗ 2. 7.5% profit

✗ 3. 2.5 %loss

✓ 4. 20% profit

Question ID : **26433039525**
Status : **Answered**
Chosen Option : **4**

Q.10 Two trains having lengths of 230 m and 240 m are 130 m apart. They start moving towards each other on parallel tracks, at speeds of 160 km/h and 200 km/h, respectively. In how much time will the trains cross each other?

Ans
✗ 1. 5 sec

✓ 2. 6 sec

✗ 3. 8 sec

✗ 4. 7 sec

Question ID : **26433042710**
Status : **Answered**
Chosen Option : **2**

Q.11 40% of the cost price of an article is equal to 30% of its selling price. The approximate percentage of profit or loss on the cost price is:

Ans
✗ 1. 44.44% profit

✗ 2. 42.22% loss

✗ 3. 35.55% loss

✓ 4. 33.33% profit

Question ID : **26433042760**
Status : **Answered**
Chosen Option : **4**

Q.12 Find the radius of the circle $x^2 + y^2 - 4x + 6y = 12$.

Ans
✗ 1. 4

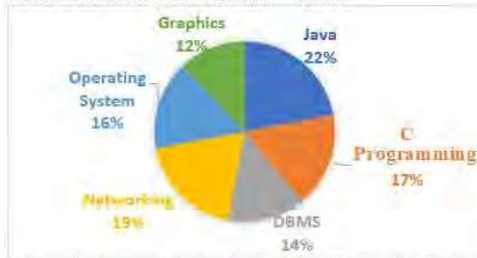✗ 2. 3

✓ 3. 5

✗ 4. 2

Question ID : **26433042736**
Status : **Answered**
Chosen Option : **3**

Q.13 The pie chart shows the percentage-wise break up of students in terms of specialisation in Engineering.
Total number of students = 8000

What is the total number of students having specialisation in Operating System, Java and DBMS?

Ans ✗ 1. 4640

✗ 2. 5260

✗ 3. 4008

✓ 4. 4160

Question ID : **26433045966**
Status : **Answered**
Chosen Option : **4**

Q.14 In what time will ₹3,90,625 amount to ₹4,56,976 at 8 % per annum, interest being compounded half-yearly?

Ans ✓ 1. 2years

✗ 2. $1\frac{1}{2}$ years

✗ 3. $2\frac{1}{2}$ years

✗ 4. 1 year

Question ID : **26433041314**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Find the compound interest on ₹1,60,000 at 10% per annum for 2 years if the interest is compounded half-yearly.

Ans ✗ 1. ₹32,282

✓ 2. ₹34,481

✗ 3. ₹33,458

✗ 4. ₹35,550

Question ID : **26433038878**
Status : **Answered**
Chosen Option : **2**

Q.16 A, B and C can do a work in 5 days, 6 days and 10 days, respectively. Working together, in how many days will they finish the same work?

Ans

  ✔ 1. $2\frac{1}{7}$
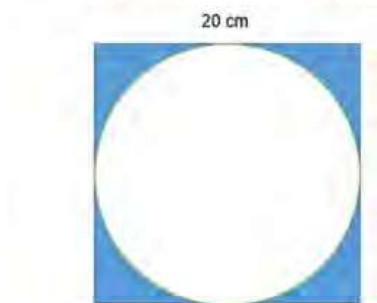
  ✘ 2. $4\frac{1}{7}$

  ✘ 3. $3\frac{1}{7}$

  ✘ 4. $1\frac{1}{7}$

Q.17 Each edge of the following square is 20 cm long, and a circle is inscribed in the square as shown. What is the area of the shaded region? [Use $\pi = 3.14$.]

Ans

  ✘ 1. 88 cm^2

  ✘ 2. 85 cm^2

  ✔ 3. 86 cm^2

  ✘ 4. 84 cm^2

Q.18 The diameter of the base of a right-circular cylinder is 12 cm and the height of the cylinder is 2.45 times the radius of its base. Find the volume of the cylinder. [Use $\pi = \frac{22}{7}$]

Ans

  ✘ 1. 1636.2 cm^3

  ✘ 2. 1666.2 cm^3

  ✔ 3. 1663.2 cm^3

  ✘ 4. 1665.2 cm^3

Q.19 If y varies directly with x, and y = 61 when x = 42, find y when x = 54 (consider integral value).

Ans ✗ 1. 86

✓ 2. 78

✗ 3. 82

✗ 4. 72

Question ID : **26433039170**

Status : **Answered**

Chosen Option : **2**

Q.20 What is the area of an equilateral triangle whose each sides is 12 cm?

Ans ✓ 1. $36\sqrt{3}cm^2$

✗ 2. $38\sqrt{3}cm^2$

✗ 3. $34\sqrt{3}cm^2$

✗ 4. $40\sqrt{3}cm^2$

Question ID : **26433041326**

Status : **Answered**

Chosen Option : **1**

Q.21 Simplify the following expression.

$$\frac{17.46^2 - 4.46^2}{17.46 + 4.46}$$

Ans ✓ 1. 13

✗ 2. 17

✗ 3. 21.92

✗ 4. 4

Question ID : **26433041402**

Status : **Answered**

Chosen Option : **4**

Q.22 The salaries of X, Y and Z are in the ratio 2 : 3 : 5. By what percentage is the salary of Z more than that of X?

Ans ✗ 1. 100

✗ 2. 200

✗ 3. 120

✓ 4. 150

Question ID : **26433039519**

Status : **Answered**

Chosen Option : **4**

Q.23 The average of two numbers is 96. If 2 is added to the smaller number, the ratio between the numbers becomes 2 : 3. The smaller number is _____.

Ans ✗ 1. 116.4

✗ 2. 132.4

✓ 3. 75.6

✗ 4. 59.6

Question ID : **26433042610**

Status : **Not Answered**

Chosen Option : --

Q.24 What is the value of $\left[\frac{1}{5}+\left\{\frac{1}{7}\text{ of }\left(\frac{25}{42}\div\frac{35}{6}\right)-\left(\frac{4}{7}\times\frac{6}{5}\div\frac{54}{63}\right)\right\}+\frac{28}{40}\right]$?

Ans ✗ 1. $\dfrac{403}{3430}$

✗ 2. $\dfrac{99}{490}$

✗ 3. $\dfrac{383}{3430}$

✓ 4. $\dfrac{393}{3430}$

Question ID : **26433043916**

Status : **Not Answered**

Chosen Option : --

Q.25 Study the given table carefully to answer the question that follows.

The following table gives the information about the populations of five different cities in the year 2020.

City	Total Population	% of Men	% of Women	% of children
P	46800	45%	35%	20%
Q	45400	35%	50%	15%
R	42000	48%	42%	10%
S	39250	42%	42%	16%
T	46200	40%	45%	15%

The number of children in city S is:

Ans ✗ 1. 6130

✗ 2. 6820

✗ 3. 6310

✓ 4. 6280

Question ID : **26433039538**

Status : **Answered**

Chosen Option : **4**

Section : **General Awareness**

Q.1 Which of the following is the debut novel of Indian novelist Chetan Bhagat, who received the Society Young Achievers Award and the Publisher's Recognition award for his works?

Ans ✗ 1. The Three Mistakes of My Life

✓ 2. Five Point Someone

✗ 3. Revolution 2020

✗ 4. What Young India Wants

Question ID : **26433042306**
Status : **Answered**
Chosen Option : **3**

Q.2 Identify the disease caused by a monkey bite.

Ans ✗ 1. Malaria

✗ 2. Typhoid

✗ 3. Influenza

✓ 4. Rabies

Question ID : **26433039429**
Status : **Answered**
Chosen Option : **4**

Q.3 Which dancer was awarded in 1968 with a gold medal by the Mexican Government for her choreography for the Ballet Folklorico of Mexico?

Ans ✗ 1. Sonal Mansingh

✗ 2. Shovana Narayan

✓ 3. Mrinalini Sarabhai

✗ 4. Rukmani Arundale

Question ID : **26433044608**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Padma Bhushan awardee Vikku Vinayakaram is a _____ player.

Ans ✗ 1. Pakhawaj

✗ 2. Dholak

✗ 3. Table

✓ 4. Ghatam

Question ID : **26433042259**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Who among the following won Arjuna Award 2021 in athletics discipline?

Ans ✗ 1. Satish Kumar

✓ 2. Arpinder Singh

✗ 3. Lakha Singh

✗ 4. G S Sandhu

Question ID : **26433041847**
Status : **Answered**
Chosen Option : **1**

Q.6 Which water body is the world's third largest ocean spread over an area of 70,560,000 km² on the earth's surface?

Ans ✗ 1. Atlantic Ocean

✗ 2. Pacific Ocean

✗ 3. Southern Ocean

✓ 4. Indian Ocean

Question ID : **26433044801**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.7 Microfinance Institutions Network (MFIN) and Sa-Dhan along with FIDC (Finance Industry Development Council) have jointly launched the _____ for the micro credit industry in the year 2019.

Ans ✗ 1. Industry Codes and Principles

✓ 2. Code for Responsible Lending

✗ 3. Micro Finance Code

✗ 4. Code for Micro Lending

Question ID : **26433042053**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.8 Ustad Zakir Hussain is the son of _____, an Indian tabla player.

Ans ✗ 1. Amjad Ali Khan

✗ 2. Imrat Khan

✗ 3. Fiyaz Khan

✓ 4. Ustad Alla Rakha

Question ID : **26433042248**	
Status : **Answered**	
Chosen Option : **4**	

Q.9 Malaria is a deadly disease caused by parasites that are transmitted to people through the bite of _____.

Ans ✓ 1. Anopheles mosquito

✗ 2. Culex mosquito

✗ 3. Aedes mosquito

✗ 4. fleas

Question ID : **26433044745**	
Status : **Answered**	
Chosen Option : **3**	

Q.10 Who won Major Dhyan Chand Khel Ratna Award 2021 in football discipline?

Ans ✗ 1. Gurpreet Singh Sandhu

✗ 2. Subrata Pal

✗ 3. Bhaichung Bhutia

✓ 4. Sunil Chhetri

Question ID : **26433041853**	
Status : **Answered**	
Chosen Option : **4**	

Q.11 Which ministry launched the 'Start-up India Seed Fund Scheme'?

Ans ✔ 1. Ministry of Commerce and Industry

✘ 2. Ministry of Finance

✘ 3. Ministry of Skill Development and Entrepreneurship

✘ 4. Ministry of Textiles

Question ID : 26433042026
Status : **Answered**
Chosen Option : **3**

Q.12 Death Valley is a desert valley in the _____ that is the hottest and driest place with a world record highest air temperature of 134°F.

Ans ✔ 1. Mojave Desert of California

✘ 2. Atacama Desert of Chile

✘ 3. Lut Desert of Iran

✘ 4. Sahara Desert of Africa

Question ID : 26433044876
Status : **Answered**
Chosen Option : **4**

Q.13 Lakshmi Shankar was a Hindustani classical vocalist of the _____ Gharana.

Ans ✘ 1. Gwalior

✘ 2. Rangeela

✘ 3. Kirana

✔ 4. Patiala

Question ID : 26433042256
Status : **Not Answered**
Chosen Option : **--**

Q.14 Whose autobiography is titled 'An Unsuitable Boy'?

Ans ✘ 1. Sanjay Leela Bhansali

✘ 2. Aditya Chopra

✔ 3. Karan Johar

✘ 4. Vikram Bhatt

Question ID : 26433044545
Status : **Answered**
Chosen Option : **3**

Q.15 Who among the following Indian classical musicians was known as 'The Queen of Thumri', who was bestowed the Padma Vibhushan in 2016 for her contribution to music?

Ans ✔ 1. Girija Devi

✘ 2. Shubha Mudgal

✘ 3. Gayatri Sankaran

✘ 4. Rita Dev

Question ID : 26433042324
Status : **Answered**
Chosen Option : **1**

Q.16 Who among the following is the author of the book 'Narcopolis'?

Ans ✓ 1. Jeet Thayil

✗ 2. Shashi Tharoor

✗ 3. David Davidar

✗ 4. Anees Salim

Question ID : **26433044551**

Status : **Not Answered**

Chosen Option : **--**

Q.17 Name a common ingredient made from the starchy part of corn kernels used as a thickening agent for gravies, marinades, sauces, soups and casseroles.

Ans ✓ 1. Corn starch

✗ 2. Gelatine

✗ 3. Potato starch

✗ 4. Pectin

Question ID : **26433044863**

Status : **Not Answered**

Chosen Option : **--**

Q.18 The first linguistic state in India got established in:

Ans ✗ 1. 1957

✗ 2. 1951

✗ 3. 1952

✓ 4. 1953

Question ID : **26433042112**

Status : **Answered**

Chosen Option : **1**

Q.19 Held in the month of _____, the Ellora Ajanta Dance Festival is an interface between the culture and history of India.

Ans ✗ 1. April

✗ 2. February

✓ 3. January

✗ 4. March

Question ID : **26433044623**

Status : **Answered**

Chosen Option : **1**

Q.20 What disease in adults means 'soft bones' that usually develops due to a deficiency of vitamin D (often from not getting enough sunlight), or less often, digestive or kidney disease?

Ans ✗ 1. Osteopenia

✗ 2. Osteomyelitis

✓ 3. Osteomalacia

✗ 4. Osteoporosis

Question ID : **26433044750**

Status : **Not Answered**

Chosen Option : **--**

Q.21 Bala Saraswati was a prominent exponent of which classical dance form?

Ans ✗ 1. Kuchipudi

✓ 2. Bharatanatyam

✗ 3. Odissi

✗ 4. Mohiniyattam

Question ID : **26433044628**

Status : **Answered**

Chosen Option : **3**

Q.22 The 7th ICC T20 World Cup Cricket was jointly organised by _____.

Ans ✗ 1. India and Sri Lanka

✗ 2. India and Bangladesh

✗ 3. UAE and Qatar

✓ 4. UAE and Oman

Question ID : **26433044477**

Status : **Answered**

Chosen Option : **4**

Q.23 In which of the following sports is 'Bishop' used?

Ans ✗ 1. Snooker

✗ 2. Baseball

✗ 3. Billiards

✓ 4. Chess

Question ID : **26433044520**

Status : **Not Answered**

Chosen Option : **--**

Q.24 Padma Bhushan Kumudini Lakhia is a _____ dancer.

Ans ✓ 1. Kathak

✗ 2. Bharatanatyam

✗ 3. Odissi

✗ 4. Manipuri

Question ID : **26433042284**

Status : **Not Answered**

Chosen Option : **--**

Q.25 Which mountain range is the source of Krishna River?

Ans ✗ 1. Satpura Range

✓ 2. Sahyadri Range

✗ 3. Vindhya Range

✗ 4. Eastern Ghats

Question ID : **26433042011**

Status : **Answered**

Chosen Option : **2**