

Combined Higher Secondary Level Examination 2021 Tier I

Roll Number	
Candidate Name	
Venue Name	Shiv Jyoti International School
Exam Date	10/06/2022
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL 2021 Tier I

Section : English Language

Q.1 Select the most appropriate synonym of the given word.  
Affront

- Ans ☒ 1. Depress  
☒ 2. Fail  
☒ 3. Insult  
☒ 4. Tolerate

Question ID : 26433043130  
Status : Not Answered  
Chosen Option : --

Q.2 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Particular  
☒ 2. Queu  
☒ 3. Recommend  
☒ 4. Opposition

Question ID : 26433039857  
Status : Answered  
Chosen Option : 2

Q.3 Spot the error in the given sentence and select the correct sentence from the options given.  
As soon as we went for an afternoon siesta, my pet rabbit Tia digged a huge hole right in the middle of the lawn.

- Ans ☒ 1. As soon as we were going for an afternoon siesta, my pet rabbit Tia digged a huge hole right in the middle of the lawn.  
☒ 2. As soon as we went for an afternoon siesta, my pet rabbit Tia dug a huge hole right in the middle of the lawn.  
☒ 3. As soon as we gone for an afternoon siesta, my pet rabbit Tia digged a huge hole right in the middle of the lawn.  
☒ 4. As soon as we gone for an afternoon siesta, my pet rabbit Tia dug a huge hole right in the middle of the lawn.

Question ID : 26433040059  
Status : Answered  
Chosen Option : 2

Q.4 Select the option that expresses the given sentence in active voice.  
My pocket has been picked.

- Ans ☒ 1. Someone's pocket has been picked by me.
- ☒ 2. Someone had my pocket picked.
- ☒ 3. Someone has picked my pocket.
- ☒ 4. I picked someone's pocket.

Question ID : 26433042900  
Status : Answered  
Chosen Option : 3

Q.5 Select the most appropriate option that can substitute the underlined segment in the given sentence.

She should run the fast to win the race.

- Ans ☒ 1. the fastest
- ☒ 2. more fast
- ☒ 3. a fastest
- ☒ 4. the faster

Question ID : 26433042780  
Status : Answered  
Chosen Option : 2

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

- Ans ☒ 1. Commodious
- ☒ 2. Iniquitous
- ☒ 3. Scrumptious
- ☒ 4. Esurient

Question ID : 26433043054  
Status : Not Answered  
Chosen Option : --

Q.7 Select the most appropriate meaning of the given idiom.  
Strain every nerve

- Ans ☒ 1. To have ill health
- ☒ 2. To feel physical pain
- ☒ 3. To try extremely hard to do something
- ☒ 4. To fight with friends

Question ID : 26433039780  
Status : Answered  
Chosen Option : 3

Q.8 Select the most appropriate option to fill in the blank.  
I never could quite get the idea \_\_\_\_\_ my mind that I should do some teaching, yet I felt a great deal of satisfaction with the pastorate.

- Ans ☒ 1. out of
- ☒ 2. out act
- ☒ 3. out come
- ☒ 4. out cast

Question ID : 26433040134  
Status : Answered  
Chosen Option : 1

Q.9 Select the most appropriate option that can substitute the underlined words in the given sentence.  
After wearing the complete sports gear, he looked lean, tough, and sinewy.

- Ans ☒ 1. a toughie  
☒ 2. wirey  
☒ 3. wiry  
☒ 4. dewy

Question ID : 26433045440  
Status : Not Answered  
Chosen Option : --

Q.10 Identify the option that arranges the given parts in the correct order to form a meaningful and coherent paragraph.  
a) PB Shelly was an English poet.  
b) He was expelled from Oxford for publishing a tract entitled 'The Necessity of Atheism'.  
c) He detested tyranny and institutionalised servitude.  
d) Born into a wealthy upper-class family.

- Ans ☒ 1. d,c,a,b  
☒ 2. a,d,c,b  
☒ 3. a,b,c,d  
☒ 4. c,a,b,d

Question ID : 26433039890  
Status : Answered  
Chosen Option : 2

Q.11 Select the option that will improve the underlined part of the given sentence.  
The movie I watched last Saturday was much better interesting than the one I watched today.

- Ans ☒ 1. much more interesting  
☒ 2. much interesting  
☒ 3. much lesser interesting  
☒ 4. much good interesting

Question ID : 26433043003  
Status : Answered  
Chosen Option : 1

Q.12 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Humiliate  
☒ 2. Ignorant  
☒ 3. Intelligent  
☒ 4. Fassinate

Question ID : 26433039866  
Status : Answered  
Chosen Option : 4

Q.13 In the following questions a statement has been given with highlighted text. Select the options that can replace the text with correct idiom or phrase.  
His mentor understood the deep anguish the student was going through without him being informed about it.

- Ans ☒ 1. Break a leg  
☒ 2. In the fast lane  
☒ 3. Read between the lines  
☒ 4. Down for the count

Question ID : 26433045505  
Status : Answered  
Chosen Option : 3

Q.14 Select the correctly spelt word to fill in the blank.  
I really admire his \_\_\_\_\_ to fulfil his dream to join navy.

- Ans ☒ 1. persistance  
☒ 2. parsistance  
☒ 3. persistence  
☒ 4. parcistance

Question ID : 26433042953  
Status : Answered  
Chosen Option : 3

Q.15 Select the option that can be used as a one-word substitute for the given group of words.  
Looking or sounding foreign, bizarre, strange, unfamiliar

- Ans ☒ 1. Outlaw  
☒ 2. Outlay  
☒ 3. Outlast  
☒ 4. Outlandish

Question ID : 26433040104  
Status : Answered  
Chosen Option : 4

Q.16 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'.  
She has returned from Delhi a month ago.

- Ans ☒ 1. No substitution required  
☒ 2. would returned  
☒ 3. returned  
☒ 4. was returned

Question ID : 26433039923  
Status : Answered  
Chosen Option : 3



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

- Ans ☒ 1. Slack  
☒ 2. Abstract  
☒ 3. Gallant  
☒ 4. Exciting

Question ID : 26433039957  
Status : Not Answered  
Chosen Option : --

Q.18 Select the most appropriate meaning of the given idiom.  
Jump the gun

- Ans ☒ 1. To waste your money  
☒ 2. To do something stupid  
☒ 3. To defeat an opponent  
☒ 4. To do something too soon

Question ID : 26433039998  
Status : Not Answered  
Chosen Option : --

Q.19 Select the most appropriate ANTONYM of the given word.  
Siege

- Ans ☒ 1. Deference  
☒ 2. Trance  
☒ 3. Clearance  
☒ 4. Inference

Question ID : 26433045482  
Status : Answered  
Chosen Option : 3

Q.20 Select the most appropriate synonym of the word given in the brackets to fill in the blank.  
When the lady answered the knock at her door she found a \_\_\_\_\_ (destitute) man.

- Ans ☒ 1. replete  
☒ 2. polite  
☒ 3. indigent  
☒ 4. greedy

Question ID : 26433045438  
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.  
First of all, planting trees should be given (1) \_\_\_\_\_ attention. Above all, tree is the (2) \_\_\_\_\_ of oxygen. Unfortunately, due to (3) \_\_\_\_\_ of buildings many trees have been cut down. This (4) \_\_\_\_\_ reduces the amount of oxygen in the environment. Growing (5) \_\_\_\_\_ trees means (5) \_\_\_\_\_ oxygen. Hence, growing more trees would mean better life quality.

SubQuestion No : 21

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

- Ans ☒ 1. lesser  
☒ 2. massive  
☐ 3. trivial  
☐ 4. minor

Question ID : 26433045833  
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.  
First of all, planting trees should be given (1) \_\_\_\_\_ attention. Above all, tree is the (2) \_\_\_\_\_ of oxygen. Unfortunately, due to (3) \_\_\_\_\_ of buildings many trees have been cut down. This (4) \_\_\_\_\_ reduces the amount of oxygen in the environment. Growing (5) \_\_\_\_\_ trees means (5) \_\_\_\_\_ oxygen. Hence, growing more trees would mean better life quality.

SubQuestion No : 22

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

- Ans ☒ 1. source  
☐ 2. base  
☐ 3. foundation  
☐ 4. tank

Question ID : 26433045834  
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.  
First of all, planting trees should be given (1) \_\_\_\_\_ attention. Above all, tree is the (2) \_\_\_\_\_ of oxygen. Unfortunately, due to (3) \_\_\_\_\_ of buildings many trees have been cut down. This (4) \_\_\_\_\_ reduces the amount of oxygen in the environment. Growing (5) \_\_\_\_\_ trees means (5) \_\_\_\_\_ oxygen. Hence, growing more trees would mean better life quality.

SubQuestion No : 23

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

- Ans ☐ 1. planning  
☐ 2. destruction  
☒ 3. construction  
☐ 4. renovation

Question ID : 26433045835  
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.  
First of all, planting trees should be given (1) \_\_\_\_\_ attention. Above all, tree is the (2) \_\_\_\_\_ of oxygen. Unfortunately, due to (3) \_\_\_\_\_ of buildings many trees have been cut down. This (4) \_\_\_\_\_ reduces the amount of oxygen in the environment. Growing (5) \_\_\_\_\_ trees means (5) \_\_\_\_\_ oxygen. Hence, growing more trees would mean better life quality.

SubQuestion No : 24

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

- Ans ☒ 1. certainly  
☐ 2. doubtfully  
☐ 3. rarely  
☐ 4. hardly

Question ID : 26433045836  
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.  
First of all, planting trees should be given (1) \_\_\_\_\_ attention. Above all, tree is the (2) \_\_\_\_\_ of oxygen. Unfortunately, due to (3) \_\_\_\_\_ of buildings many trees have been cut down. This (4) \_\_\_\_\_ reduces the amount of oxygen in the environment. Growing (5) \_\_\_\_\_ trees means (5) \_\_\_\_\_ oxygen. Hence, growing more trees would mean better life quality.

SubQuestion No : 25

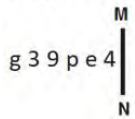
Q.25 Select the most appropriate option to fill in blank number 5.

- Ans ☐ 1. no, more  
☒ 2. more, more  
☐ 3. less, more  
☐ 4. more, less

Question ID : 26433045837  
Status : Answered  
Chosen Option : 2

Section : General Intelligence

Q.1 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans ☐ 1. 4 ə d 6 ε g  
☒ 2. 4 ə q e ε g  
☐ 3. 4 ə p e ε g  
☐ 4. 4 ə q 6 ε g

Question ID : 26433040827  
Status : Answered  
Chosen Option : 2

Q.2 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?  
AYC, EUG, IQK, MMO, ?

- Ans ☒ 1. IQS  
☒ 2. QIS  
☒ 3. SIQ  
☒ 4. ISQ

Question ID : 26433045160  
Status : Answered  
Chosen Option : 2

Q.3 Select the option that represents the correct order of the given words as they would appear in an English dictionary.  
1.Perilous  
2.Pessimist  
3.Pedestrian  
4.Perceive  
5.Perfect  
6.Peasant

- Ans ☒ 1. 6, 4, 3, 1, 2, 5  
☒ 2. 6, 3, 4, 5, 1, 2  
☒ 3. 3, 6, 5, 4, 2, 1  
☒ 4. 3, 5, 4, 6, 1, 2

Question ID : 26433039291  
Status : Answered  
Chosen Option : 2

Q.4 Select the option that represents the letters that, when placed from left to right in the blanks, will complete the letter series.  
M \_ W Q U N S \_ Q U O S W \_ U P S \_ Q \_

- Ans ☒ 1. S Q U W W  
☒ 2. S Q W U W  
☒ 3. S W Q W U  
☒ 4. S W Q U W

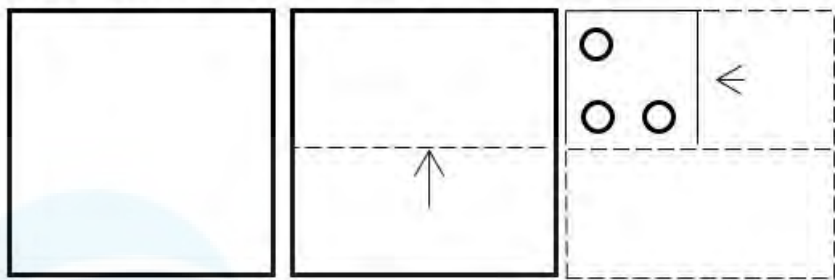
Question ID : 26433040425  
Status : Answered  
Chosen Option : 3

Q.5 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.

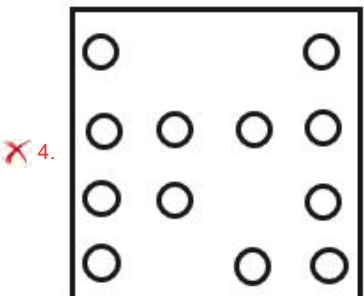
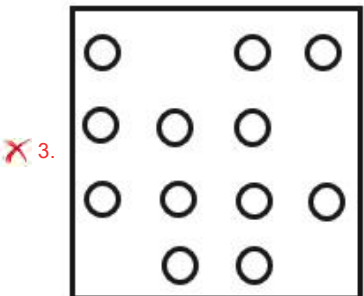
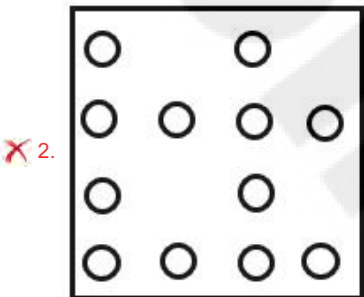
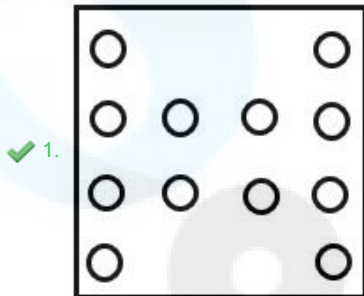
- Ans ☒ 1. 678:7  
☒ 2. 282:6  
☒ 3. 366:5  
☒ 4. 546:5

Question ID : 26433043580  
Status : Answered  
Chosen Option : 2

Q.6 A paper is folded and cut as shown. How will it appear when unfolded?



Ans



Question ID : 26433040512  
Status : Answered  
Chosen Option : 1

Q.7 Select the correct combination of mathematical signs to replace the \* signs and to balance the given equation.  
 $42*19*4*69*81*9*58$

- Ans ☒ 1. +, x, -, +, ÷, =  
☐ 2. ÷, -, x, =, x, +  
☐ 3. -, -, =, x, ÷, -  
☐ 4. x, -, =, +, x, -

Question ID : 26433040237  
Status : Answered  
Chosen Option : 1

Q.8 Select the correct combination of mathematical signs to replace the \* signs and to balance the given equation.  
 $40*2*15*30*5$

- Ans ☐ 1. x, -, =, +  
☐ 2. x, =, -, -  
☐ 3. ÷, =, +, -  
☒ 4. ÷, +, =, +

Question ID : 26433040200  
Status : Answered  
Chosen Option : 4

Q.9 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. 40 : 240  
☐ 2. 25 : 150  
☒ 3. 35 : 280  
☐ 4. 30 : 180

Question ID : 26433040651  
Status : Answered  
Chosen Option : 3

Q.10 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.  
 $27 : 99 :: 21 : ? :: 13 : 43$

- Ans ☒ 1. 75  
☐ 2. 64  
☐ 3. 87  
☐ 4. 82

Question ID : 26433045040  
Status : Not Answered  
Chosen Option : --

Q.11 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs, except one. Find that odd number-pair.

- Ans ☒ 1. 12:121  
☒ 2. 6:25  
☒ 3. 9:100  
☒ 4. 8:49

Question ID : 26433040196  
Status : Answered  
Chosen Option : 3

Q.12 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row: 5, 9, 56

Second row: 4, 7, 33

Third row: 10, 11, ?

(NOTE: Operations should be performed on the whole numbers, without breaking down the number into its constituent digits. For example, 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. 30  
☒ 2. 26  
☒ 3. 23  
☒ 4. 21

Question ID : 26433043337  
Status : Answered  
Chosen Option : 4

Q.13 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 26433045185  
Status : Answered  
Chosen Option : 1

Q.14 In a certain code language, 'MAP' is written as 'QBN' and 'LEAP' is written as 'QBFM'.  
How will 'CROWN' be written in that language?

- Ans ☒ 1. OXPDS  
☒ 2. OXPSD  
☒ 3. OPDXS  
☒ 4. ODXSP

Question ID : 26433040687  
Status : Answered  
Chosen Option : 2

Q.15 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:

Some boxes are houses.

Some houses are tents.

Some tents are castles.

Conclusions:

I. Some castles are houses.

II. Some tents are houses.

III. Some castles are boxes.

- Ans ☒ 1. Only conclusions I and II follow  
☒ 2. Only conclusion I follows  
☒ 3. Only conclusion II follows  
☒ 4. Only conclusions I and III follow

Question ID : 26433040738  
Status : Answered  
Chosen Option : 3

Q.16 Seven friends P, Q, R, S, T, U and V, each has a different height. P is taller than only U and R. R is taller than U. Q is taller than S but shorter than T. T is not the tallest among all. The height of how many people is between the heights of Q and R?

- Ans ☒ 1. 3  
☒ 2. 1  
☒ 3. 2  
☒ 4. 0

Question ID : 26433043464  
Status : Answered  
Chosen Option : 3

Q.17 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 5, 16, 77

Second row- 13, 12, ?

Third row- 8, 19, 149

(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. 157  
☒ 2. 153  
☒ 3. 151  
☒ 4. 155

Question ID : 26433045246  
Status : Answered  
Chosen Option : 2

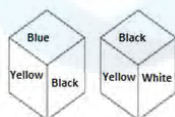


**Q.18** Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term.  
 $6 : 40 :: ? : 148 :: 3 : 13$ .

- Ans ☒ 1. 13  
☒ 2. 12  
☒ 3. 17  
☒ 4. 14

Question ID : 26433046001  
Status : Answered  
Chosen Option : 2

**Q.19** Two different positions of the same dice are shown, the six faces of which are coloured Red, Green, Blue, Yellow, Black, White. Select the colour that will be on the face opposite to the one coloured Blue.



- Ans ☒ 1. Green  
☒ 2. White  
☒ 3. Black  
☒ 4. Red

Question ID : 26433040188  
Status : Answered  
Chosen Option : 2

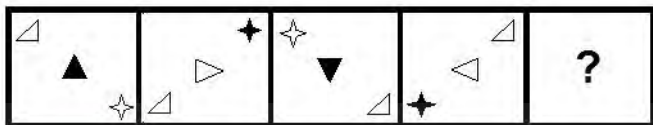
**Q.20** Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.  
GAINS : SNIAG :: ANVIL : LIVNA :: INBOX : ?

- Ans ☒ 1. XOBNI  
☒ 2. BINOX  
☒ 3. ONBIX  
☒ 4. OXBIN

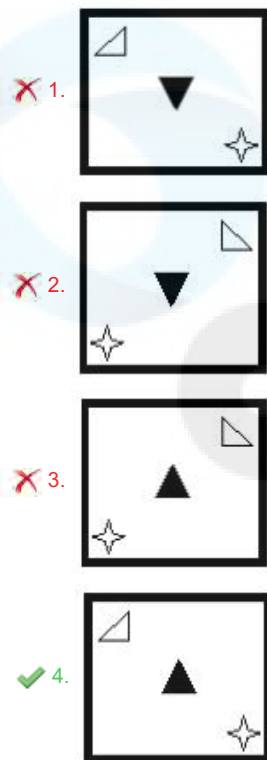
Question ID : 26433040268  
Status : Answered  
Chosen Option : 1

@Qmaths

Q.21 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans



Question ID : 26433045011  
Status : Answered  
Chosen Option : 4

Q.22 Which of the following numbers will replace the question mark (?) in the given series?  
283, 359, 428, 490, 545, ?

- Ans
- ✓ 1. 593
  - ✗ 2. 613
  - ✗ 3. 600
  - ✗ 4. 563

Question ID : 26433043257  
Status : Answered  
Chosen Option : 1

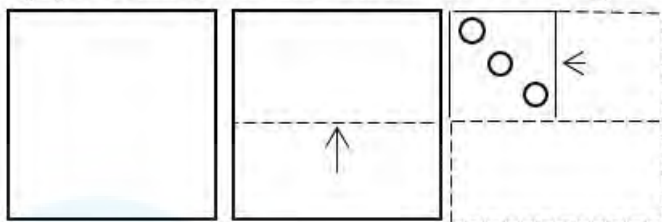
Q.23 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- 1.Dictation
- 2.Dictator
- 3.Distribute
- 4.Decadent
- 5.Distilled

- Ans
- ✗ 1. 4,3,1,2,5
  - ✗ 2. 4,2,1,3,5
  - ✗ 3. 4,1,2,3,5
  - ✓ 4. 4,1,2,5,3

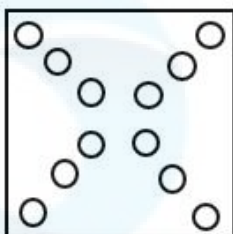
Question ID : 26433040363  
Status : Answered  
Chosen Option : 4

Q.24 A paper is folded and cut as shown. How will it appear when unfolded?

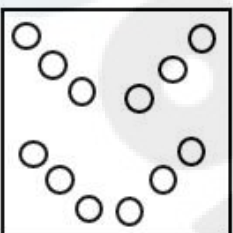


Ans

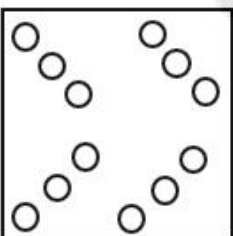
✓ 1.



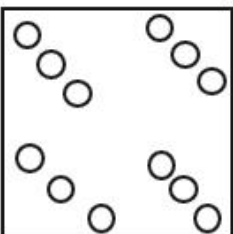
✗ 2.



✗ 3.



✗ 4.



Question ID : 26433040502

Status : Answered

Chosen Option : 1

Q.25 In a certain code language, "EASY" is written as "YAES", and "KIND" is written as "DIKN". How will "SOME" be written in that language?

Ans ✗ 1. ESOM

✓ 2. EOSM

✗ 3. EOMS

✗ 4. OESM

Question ID : 26433043481

Status : Answered

Chosen Option : 2

**Q.1** Based on the data given in the following table find the arithmetic mean of the marks obtained out of 10 in a class test by the students of a class.

Marks obtained out of 10 in a class test	Frequency
0	3
1	2
2	2
3	4
4	6
5	7
6	7
7	5
8	3
9	4
10	2
Total frequency	

- Ans
- ☒ 1. 5.1
  - ☒ 2. 5.4
  - ☒ 3. 5.2
  - ☒ 4. 5

Question ID : 26433044299  
Status : Answered  
Chosen Option : 3

**Q.2** Simplify the following expression.

$$\left(\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}\right) + \left(\frac{3}{2} \times \frac{3}{2} \times \frac{3}{2}\right) + (6 \times 6 \times 6) + 3\left(\frac{1}{2} + \frac{3}{2}\right)\left(\frac{1}{2} + 6\right)\left(6 + \frac{3}{2}\right)$$

- Ans
- ☒ 1. 521
  - ☒ 2. 64
  - ☒ 3. 512
  - ☒ 4. 256

Question ID : 26433041411  
Status : Answered  
Chosen Option : 3

**Q.3** A vendor bought oranges at 5 for ₹15 and sold them at 3 for ₹5. Find his loss percent.

- Ans
- ☒ 1.  $41\frac{4}{9}\%$
  - ☒ 2.  $42\frac{4}{9}\%$
  - ☒ 3.  $43\frac{4}{9}\%$
  - ☒ 4.  $44\frac{4}{9}\%$

Question ID : 26433042691  
Status : Answered  
Chosen Option : 4

Q.4 For the first part of her journey,Sunita travelled at a speed of 450 m/min and,for the rest of the journey, at a speed 1.4 times of her initial speed. If Sunita travelled a total distance of 33.3 km in 1hour, what was the distance that Sunita travelled at a lower speed?

- Ans ☒ 1. 11.50 km  
☒ 2. 11.15 km  
☒ 3. 11.25 km  
☒ 4. 11.20 km

Question ID : 26433043953  
Status : Not Answered  
Chosen Option : --

Q.5 40 men can complete a piece of work in 18 days. 9 days after they start working together, 5 more men join them. How many days will they now take to complete the remaining work?

- Ans ☒ 1. 9 days  
☒ 2. 8 days  
☒ 3. 6 days  
☒ 4. 7 days

Question ID : 26433038891  
Status : Answered  
Chosen Option : 2

Q.6 A sum of money is invested at a rate of compounded interest that is paid out yearly. In the first two years, the interest was ₹400 and ₹420 respectively.The sum is:

- Ans ☒ 1. ₹7,500  
☒ 2. ₹9,530  
☒ 3. ₹8,000  
☒ 4. ₹8,765

Question ID : 26433044041  
Status : Answered  
Chosen Option : 3

Q.7 A man spends 20% of his monthly salary on food and one-fourth of the remaining salary on charity. If he saves ₹9,600 per month, which is equal to half of the balance after spending on food and charity, then his monthly salary is:

- Ans ☒ 1. ₹28,000  
☒ 2. ₹32,000  
☒ 3. ₹26,000  
☒ 4. ₹30,000

Question ID : 26433041421  
Status : Answered  
Chosen Option : 2

Q.8 What is the length of the arc of a circle whose radius is 35 cm and arc subtends an angle of  $36^\circ$  at the centre of the circle? (Take  $\pi=22/7$ )

- Ans
- ☒ 1. 44 cm
  - ☒ 2. 22 cm
  - ☒ 3. 10 cm
  - ☒ 4. 220 cm

Question ID : 26433041392  
Status : Answered  
Chosen Option : 2

Q.9 Calculate the third proportional to 4, 15 and 24.

- Ans
- ☒ 1.  $\frac{32}{5}$
  - ☒ 2.  $\frac{29}{5}$
  - ☒ 3.  $\frac{21}{5}$
  - ☒ 4.  $\frac{26}{5}$

Question ID : 26433041529  
Status : Not Answered  
Chosen Option : --

Q.10 Using the formula  $\tan \frac{x}{2} = \frac{1-\cos x}{\sin x}$ , find the value of  $\tan 22.5^\circ$ .

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

Question ID : 26433044328  
Status : Answered  
Chosen Option : 1

Q.11 Amount invested in Raw Materials (in lakh rupees)



What is the average amount invested in raw materials from year 1997 to 1999?

- Ans
- ☐ 1. ₹310 lakh
  - ☐ 2. ₹330 lakh
  - ☐ 3. ₹400 lakh
  - ☒ 4. ₹410 lakh

Question ID : 26433041607

Status : Answered

Chosen Option : 4

Q.12 Find the value of 'a' using the concept of BODMAS.

$$42 \div 2 + a \times 3 - 22 = 8$$

- Ans
- ☐ 1. 4
  - ☐ 2. 6
  - ☐ 3. 5
  - ☒ 4. 3

Question ID : 26433042502

Status : Answered

Chosen Option : 4

Q.13 In an examination, the Average marks of 7 children was 20, that of 3 children was 45, that of another 4 children was 15 and that of 2 children was 0. What is the average marks of all the 16 children? (Correct to one decimal place)

- Ans
- ☐ 1. 20
  - ☒ 2. 20.9
  - ☐ 3. 4
  - ☐ 4. 4.9

Question ID : 26433043909

Status : Answered

Chosen Option : 2

Q.14 A washing machine is sold at a discount of 10% on its marked price. A further discount of 5% on the initial selling price is offered if a person makes the payment in cash. If the marked price of the machine is ₹54,000, how much will a customer paying in cash have to pay for purchasing it?

- Ans
- ☐ 1. ₹46,200
  - ☐ 2. ₹45,800
  - ☒ 3. ₹46,170
  - ☐ 4. ₹46,000

Question ID : 26433039122

Status : Answered

Chosen Option : 3

Q.15 The length, breadth and height of a room are 7 m, 4 m and 9 m, respectively. Find the cost of whitewashing the walls of the room and the ceiling at the rate of ₹7.50 per m<sup>2</sup>.

- Ans ☒ 1. ₹1,965  
☒ 2. ₹1,695  
☒ 3. ₹1,968  
☒ 4. ₹1,698

Question ID : 26433039545  
Status : Answered  
Chosen Option : 2

Q.16 Find the selling price of an article if a shopkeeper allows two successive discounts of 5% each on the marked price of ₹80.

- Ans ☒ 1. ₹76.60  
☒ 2. ₹72  
☒ 3. ₹72.20  
☒ 4. ₹74.40

Question ID : 26433044349  
Status : Answered  
Chosen Option : 3

Q.17 Which of the following numbers is NOT divisible by 15?

- Ans ☒ 1. 2595  
☒ 2. 3195  
☒ 3. 3465  
☒ 4. 2995

Question ID : 26433039513  
Status : Answered  
Chosen Option : 4

Q.18 If  $\sin\theta = \frac{\sqrt{3}}{2}$ , and  $\theta$  is an acute angle, find the value of  $\cos 3\theta$ .

- Ans ☒ 1.  $\frac{1}{2}$   
☒ 2. 1  
☒ 3. -1  
☒ 4. 0

Question ID : 26433042739  
Status : Answered  
Chosen Option : 3

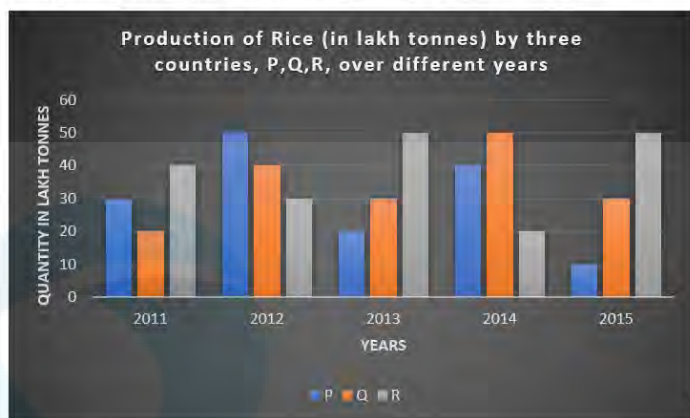
Q.19 Simplify  $(5 \times 5 \times 5 \times 5 \times 5)^5 \times (5 \times 5 \times 5)^5 \div 5 = (125)^?$ .

- Ans ☒ 1. 15  
☒ 2. 21  
☒ 3. 13  
☒ 4. 14

Question ID : 26433039271  
Status : Answered  
Chosen Option : 3



Q.20 Study the given graph and answer the question that follows.



For which of the following years was the percentage rise/fall in production from the previous year maximum for country R?

- Ans
- ☒ 1. 2013
  - ☒ 2. 2011
  - ☒ 3. 2012
  - ☒ 4. 2015

Question ID : 26433044123  
Status : Answered  
Chosen Option : 4

Q.21 If the length, breadth and height of a cuboid are 7.5 m, 22 m and 13 m, respectively, then find the volume of the cuboid.

- Ans
- ☒ 1. 2145 m<sup>3</sup>
  - ☒ 2. 1245 m<sup>3</sup>
  - ☒ 3. 4215 m<sup>3</sup>
  - ☒ 4. 2154 m<sup>3</sup>

Question ID : 26433041383  
Status : Answered  
Chosen Option : 1

Q.22 What is the average of first 10 multiples of 6?

- Ans
- ☒ 1. 55
  - ☒ 2. 66
  - ☒ 3. 60
  - ☒ 4. 33

Question ID : 26433042473  
Status : Answered  
Chosen Option : 4

Q.23 The price of a bike is ₹75,500. What will be the price of the bike after a reduction of 17%?

- Ans
- ☒ 1. ₹68,650
  - ☒ 2. ₹68,680
  - ☒ 3. ₹62,665
  - ☒ 4. ₹62,650

Question ID : 26433038677  
Status : Answered  
Chosen Option : 3

Q.24 If the compound interest on a principal for one year is ₹350 and the compound interest for the second year is ₹420, find the rate of interest.

- Ans ☒ 1. 30%  
☒ 2. 20%  
☒ 3. 25%  
☒ 4. 15%

Question ID : 26433042436  
Status : Answered  
Chosen Option : 2

Q.25 The area of quadrilateral is  $336\text{ m}^2$  and the perpendiculars drawn to one diagonal from the opposite vertices are 16 m and 12 m long. Find the length of this diagonal.

- Ans ☒ 1. 28 cm  
☒ 2. 26 cm  
☒ 3. 21 cm  
☒ 4. 24 cm

Question ID : 26433042762  
Status : Answered  
Chosen Option : 4

Section : General Awareness

Q.1 In which of the following years was Lata Mangeshkar, a legendry playback Indian singer, awarded with the Padma Vibhushan, the second-highest Indian civilian award?

- Ans ☒ 1. 1990  
☒ 2. 1995  
☒ 3. 1999  
☒ 4. 2003

Question ID : 26433044677  
Status : Not Answered  
Chosen Option : --

Q.2 In February 2021, \_\_\_\_\_ broke into the Top-100 WTA doubles rankings, becoming the second woman, after Sania Mirza, to do so.

- Ans ☒ 1. Shikha Devi Uberoi  
☒ 2. Ankita Raina  
☒ 3. Tara Iyer  
☒ 4. Rushmi Chakravarthi

Question ID : 26433044431  
Status : Answered  
Chosen Option : 2

Q.3 Who among the following won the prestigious Abhinandan Saroja National Award 2021?

- Ans ☒ 1. Saroja Vaidyanathan  
☒ 2. Aparna Satheesan  
☒ 3. Mrinalini Sarabhai  
☒ 4. Alarmel Valli

Question ID : 26433038787  
Status : Not Answered  
Chosen Option : --

**Q.4 Identify a way that does NOT prevent a non-communicable disease from occurring in someone.**

- Ans ☒ 1. Blood transfusion
- ☒ 2. Adequate sleep
- ☒ 3. Balanced diet
- ☒ 4. Healthy diet

Question ID : 26433039434  
Status : Answered  
Chosen Option : 1

**Q.5 Identify the group of the periodic table to which iron belongs.**

- Ans ☒ 1. Group 8
- ☒ 2. Group 6
- ☒ 3. Group 5
- ☒ 4. Group 7

Question ID : 26433039410  
Status : Not Answered  
Chosen Option : --

**Q.6 Who among the following is the author of the book 'Five Point Someone'?**

- Ans ☒ 1. Durjoy Dutta
- ☒ 2. Chetan Bhagat
- ☒ 3. Ravinder Singh
- ☒ 4. Amish Tripathy

Question ID : 26433044554  
Status : Not Answered  
Chosen Option : --

**Q.7 For what discovery was Jan Evangelista Purkinje known in 1839?**

- Ans ☒ 1. Proposed a lipid bilayer membrane
- ☒ 2. Discovered plasma membrane
- ☒ 3. Coined the term protoplasm
- ☒ 4. Discovered the nucleus

Question ID : 26433044752  
Status : Answered  
Chosen Option : 3

**Q.8 In which year was the Indian Football Association established?**

- Ans ☒ 1. 1853
- ☒ 2. 1873
- ☒ 3. 1883
- ☒ 4. 1893

Question ID : 26433042193  
Status : Not Answered  
Chosen Option : --

Q.9 The Konark Dance Festival is held at an open air auditorium in the backdrop of the \_\_\_\_\_ which is also known as the Black Pagoda.

- Ans ☒ 1. Shree Somnath Temple
- ☒ 2. Sun Temple
- ☒ 3. Guruvayur Temple
- ☒ 4. Kamakhya Temple

Question ID : 26433044622  
Status : Answered  
Chosen Option : 2

Q.10 Among the following, whose autobiography is 'My Confession'?

- Ans ☒ 1. Adolf Hitler
- ☒ 2. Leo Tolstoy
- ☒ 3. Nelson Mandela
- ☒ 4. Mahatma Gandhi

Question ID : 26433042211  
Status : Answered  
Chosen Option : 2

Q.11 'Drawing From the City' is a visual autobiography of which of the following Indian folk artists?

- Ans ☒ 1. Teju Behun
- ☒ 2. Jamini Roy
- ☒ 3. Bhajju Shyam
- ☒ 4. Baua Devi

Question ID : 26433042294  
Status : Not Answered  
Chosen Option : --

Q.12 'All minorities, whether based on religion or language, shall have the right to establish and administer educational institutions of their choice'. Which article of the Constitution of India guarantees this right?

- Ans ☒ 1. Article 25
- ☒ 2. Article 28
- ☒ 3. Article 36
- ☒ 4. Article 30

Question ID : 26433042102  
Status : Answered  
Chosen Option : 1

Q.13 What is the common name of  $C_6H_6$ ?

- Ans ☒ 1. Methanol
- ☒ 2. Acetic acid
- ☒ 3. Acetone
- ☒ 4. Benzene

Question ID : 26433039401  
Status : Answered  
Chosen Option : 4

Q.14 Phytoplankton, small sea-dwelling organisms, belong to which trophic level of the food web?

- Ans ☒ 1. Primary consumers  
☒ 2. Secondary consumers  
☒ 3. Primary producers  
☒ 4. Decomposers

Question ID : 26433044853  
Status : Not Answered  
Chosen Option : --

Q.15 Which of the following serves as the cell's digestive system, serving both to degrade material taken from outside the cell and to digest the undigested components of the cell?

- Ans ☒ 1. Ribosomes  
☒ 2. Lysosomes  
☒ 3. Smooth endoplasmic reticulum  
☒ 4. Cytosol

Question ID : 26433044851  
Status : Answered  
Chosen Option : 2

Q.16 What is India's rank in the 2021 Global Hunger Index?

- Ans ☒ 1. 95  
☒ 2. 90  
☒ 3. 101  
☒ 4. 99

Question ID : 26433042032  
Status : Answered  
Chosen Option : 3

Q.17 Pandit Swapan Chaudhuri is associated with \_\_\_\_\_ instrument.

- Ans ☒ 1. veena  
☒ 2. harmonium  
☒ 3. tabla  
☒ 4. bansuri

Question ID : 26433038771  
Status : Not Answered  
Chosen Option : --

Q.18 Who among the following became the first Indian male shuttler to win silver in the men's singles event at the BWF World Championships on December 19, 2021?

- Ans ☒ 1. HS Prannoy  
☒ 2. B Sai Praneeth  
☒ 3. Lakshya Sen  
☒ 4. Kidambi Srikanth

Question ID : 26433038930  
Status : Not Answered  
Chosen Option : --

**Q.19** Who among the following founded the 'Kalakshetra' in 1936, an Indian arts academy that was especially dedicated to the cultivation of the Bharatanatyam tradition?

Ans ☒ 1. Rukmini Devi Arundale

☐ 2. Vidyagauri Adkar

☐ 3. Kumari kamala

☐ 4. Damayanti Joshi

Question ID : 26433044610

Status : Not Answered

Chosen Option : --

**Q.20** Pankaj Advani is related to which of the following sports?

Ans ☐ 1. Squash

☒ 2. Billiards

☐ 3. Tennis

☐ 4. Chess

Question ID : 26433044455

Status : Answered

Chosen Option : 2

**Q.21** Which of the following is true?

Ans ☐ 1. Gross Domestic Product + Depreciation = Gross National Product

☐ 2. Gross Domestic Product + Depreciation = Net Domestic Product

☐ 3. Gross Domestic Product – Depreciation = Gross National Product

☒ 4. Gross Domestic Product – Depreciation = Net Domestic Product

Question ID : 26433042145

Status : Answered

Chosen Option : 3

**Q.22** Who among the following is the founder of the Indore Gharana of music?

Ans ☒ 1. Ustad Amir Khan

☐ 2. MS Subbulakshmi

☐ 3. Vilayat Khan

☐ 4. Bhimsen Joshi

Question ID : 26433042241

Status : Not Answered

Chosen Option : --

**Q.23** Anup Jalota is famous for which of the following categories of Indian music?

Ans ☒ 1. Bhajan

☐ 2. Carnatic Music

☐ 3. Hindustani Music

☐ 4. Instrumental

Question ID : 26433041736

Status : Answered

Chosen Option : 1

Q.24 Mallika Sarabhai is the most famous Indian dancer renowned for \_\_\_\_.

Ans ☒ 1. kuchipudi and bharatanatyam

☐ 2. bharatanatyam and kathak

☐ 3. bharatanatyam and odissi

☐ 4. kuchipudi and kathak

Question ID : 26433041974

Status : Not Answered

Chosen Option : --

Q.25 As per Census of India 2011, which state has the highest percentage of Scheduled Tribe population to total Scheduled Tribe population in India?

Ans ☐ 1. Gujarat

☐ 2. Jharkhand

☒ 3. Madhya Pradesh

☐ 4. Chhattisgarh

Question ID : 26433042016

Status : Not Answered

Chosen Option : --