

## Combined Higher Secondary Level Examination 2021 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Karhi Road Amoudha
Exam Date	06/06/2022
Exam Time	4:00 PM - 5:00 PM
Subject	CHSL 2021 Tier I

Section : English Language

**Q.1** Spot the error in the given sentence and select the correct sentence from the options given.

He wished he has more resources to support the poor.

- Ans
- ☒ 1. He wished his having more resources to support the poor.
  - ☒ 2. He wished he have more resources to support the poor.
  - ☒ 3. He wishing he has more resources to support the poor.
  - ☒ 4. He wished he had more resources to support the poor.

Question ID : 26433040061

Status : Answered

Chosen Option : 4

**Q.2** Select the most appropriate meaning of the idiom given in bold in the following sentence.

The minister is a little hard of hearing.

- Ans
- ☒ 1. inaccessible
  - ☒ 2. callous
  - ☒ 3. partially deaf
  - ☒ 4. insensitive

Question ID : 26433043154

Status : Answered

Chosen Option : 3

**Q.3** In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

In the Second World War, the British \_\_\_\_\_ thousands of so-called interceptors – mostly women – whose job it was to tune in every day and night to the radio \_\_\_\_\_ of the various divisions of the German military.

- Ans
- ☒ 1. averted, broadbills
  - ☒ 2. assented, broadsides
  - ☒ 3. assembled, broadcasts
  - ☒ 4. adhered, broadlooms

Question ID : 26433045598

Status : Answered

Chosen Option : 3

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

- Ans ☒ 1. Psychological pressure  
☒ 2. Relational difference  
☒ 3. Hard physical efforts  
☒ 4. Mental disturbance

Question ID : 26433043081  
Status : Answered  
Chosen Option : 3

**Q.5** Select the option that expresses the given sentence in passive voice.  
**The rules forbid passengers to cross the railway bridge.**

- Ans ☒ 1. Forbidden are the passengers to cross the railway bridge.  
☒ 2. Forbidden by the rules, the passengers cannot cross railway bridge.  
☒ 3. Passengers are forbidden by the rules to cross the railway bridge.  
☒ 4. Railway bridge is forbidden for the passengers to cross.

Question ID : 26433042905  
Status : Answered  
Chosen Option : 3

**Q.6** Select the most appropriate ANTONYM of the word 'Exaggerate' from the given sentence.  
**Rajni did understate Sheila's embroider work as, according to her, it was worthless to decorate a piece of cloth with abstract ideas and then elaborate it to the audience on the stage.**

- Ans ☒ 1. Elaborate  
☒ 2. Embroidery  
☒ 3. Decorate  
☒ 4. Understate

Question ID : 26433045429  
Status : Answered  
Chosen Option : 4

**Q.7** Select the most appropriate option that can substitute the underlined segment in the given sentence.  
**The organisation had set up for a Free Mandela Committee and launched a lively campaign with the slogan 'Free Mandela'.**

- Ans ☒ 1. had set up  
☒ 2. had set to  
☒ 3. had set over  
☒ 4. had set upon

Question ID : 26433040114  
Status : Answered  
Chosen Option : 1

Q.8 Select the option that can be used as a one-word substitute for the given group of words.  
Something that will cure all illnesses

- Ans ☒ 1. Wine  
☒ 2. Vaccination  
☒ 3. Panacea  
☒ 4. Tonic

Question ID : 26433039821  
Status : Answered  
Chosen Option : 3

Q.9 Select the option that expresses the given sentence in passive voice.  
He ordered the police to pursue the robber and his gang.

- Ans ☒ 1. Order the police to pursue the robber gang.  
☒ 2. Pursue the robber and gang were the orders by police.  
☒ 3. The robber and gang were pursued.  
☒ 4. The police were ordered to pursue the robber and his gang.

Question ID : 26433042906  
Status : Answered  
Chosen Option : 4

Q.10 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. Wearing noise cancellation headphones is an example of such equipment.  
B. Preventive measures involve the availability of proper equipment.  
C. Noise exposure is the primary reason for hearing loss among the workers.  
D. It affects the working class in a big way both mentally and physically.

- Ans ☒ 1. CDBA  
☒ 2. BDCA  
☒ 3. CDAB  
☒ 4. ADBC

Question ID : 26433042886  
Status : Answered  
Chosen Option : 1

Q.11 Select the most appropriate synonym of the word given in bold in the following sentence.  
In his youth Joyonto must have been startlingly handsome.

- Ans ☒ 1. enviously  
☒ 2. lightly  
☒ 3. wrinkly  
☒ 4. amazingly

Question ID : 26433043152  
Status : Answered  
Chosen Option : 4

**Q.12** Select the most appropriate meaning of the given idiom.  
**Donkey's years**

- Ans ☒ 1. A very long time  
☐ 2. A stupid argument  
☐ 3. A worthless person  
☐ 4. Futile effort

Question ID : **26433039996**  
Status : **Answered**  
Chosen Option : **1**

**Q.13** Select the most appropriate synonym of the highlighted word.  
**The government's utilitarian stance was appreciated by all.**

- Ans ☒ 1. functional  
☐ 2. fanciful  
☐ 3. distasteful  
☐ 4. necessary

Question ID : **26433045471**  
Status : **Answered**  
Chosen Option : **1**

**Q.14** Select the most appropriate synonym of the given word.  
**Abrogate**

- Ans ☐ 1. Endure  
☐ 2. Reveal  
☐ 3. Extend  
☒ 4. Repeal

Question ID : **26433039838**  
Status : **Answered**  
Chosen Option : **4**

**Q.15** Select the option that expresses the given sentence in active voice.  
**The national anthem was being sung very enthusiastically by young students in the annual event.**

- Ans ☒ 1. The young students in the annual event were singing the national anthem very enthusiastically.  
☐ 2. The national anthem was sung very enthusiastically for young students in the annual event.  
☐ 3. The young students in the annual event had been singing the national anthem very enthusiastically.  
☐ 4. The national anthem sang the young students very enthusiastically.

Question ID : **26433040062**  
Status : **Answered**  
Chosen Option : **1**



Q.16 Select the most appropriate ANTONYM of the given word.

Delay

- Ans ☒ 1. Scarce  
☒ 2. Nice  
☒ 3. Haste  
☒ 4. Weary

Question ID : 26433042918  
Status : Answered  
Chosen Option : 3

Q.17 Select the most appropriate option to fill in the blank.  
Discipline must be \_\_\_\_\_ at any cost

- Ans ☒ 1. instructed  
☒ 2. curtailed  
☒ 3. maintained  
☒ 4. highlighted

Question ID : 26433039941  
Status : Answered  
Chosen Option : 3

Q.18 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Inoculate  
☒ 2. Leisure  
☒ 3. Medieval  
☒ 4. Millennium

Question ID : 26433039855  
Status : Answered  
Chosen Option : 1

Q.19 Select the most appropriate synonym of the word given in bold in the following sentence.

Forgetting the past is inevitable for being able to create a future.

- Ans ☒ 1. inescapable  
☒ 2. extravagant  
☒ 3. privileged  
☒ 4. unpredictable

Question ID : 26433042799  
Status : Answered  
Chosen Option : 1

Q.20 From among the words given in bold, select the INCORRECTLY spelt word in the following sentence.  
Evelyn Glennie has brought percussion to the front of the orchestra, and demonstrated that it can be very moving.

- Ans ☒ 1. demonstrated  
☒ 2. percussion  
☒ 3. orchestra  
☒ 4. brought

Question ID : 26433043156  
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.  
Science, according to popular (1)\_\_\_\_\_, is a remote and enigmatic idea that is (2)\_\_\_\_\_ the comprehension of ordinary minds and peace-loving people. This is most likely why the words 'scientist' and 'mad' have been used interchangeably for centuries. But, given that science is the foundation upon which our lives are built, isn't it (3)\_\_\_\_\_ that science appears to be beyond the common mind's comprehension? Similarly, mathematics, the (4)\_\_\_\_\_ of science, gives meaning to the concept of quantification and (5)\_\_\_\_\_ value for us humans. There are a few examples of how science and mathematics rewire our brains, just go and check.

**SubQuestion No : 21**

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

- Ans** ☒ 1. believe  
☒ 2. believes  
☒ 3. belief  
☒ 4. beliefs

Question ID : 26433045857  
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.  
Science, according to popular (1)\_\_\_\_\_, is a remote and enigmatic idea that is (2)\_\_\_\_\_ the comprehension of ordinary minds and peace-loving people. This is most likely why the words 'scientist' and 'mad' have been used interchangeably for centuries. But, given that science is the foundation upon which our lives are built, isn't it (3)\_\_\_\_\_ that science appears to be beyond the common mind's comprehension? Similarly, mathematics, the (4)\_\_\_\_\_ of science, gives meaning to the concept of quantification and (5)\_\_\_\_\_ value for us humans. There are a few examples of how science and mathematics rewire our brains, just go and check.

**SubQuestion No : 22**

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

- Ans** ☒ 1. beyond  
☒ 2. above  
☒ 3. before  
☒ 4. for

Question ID : 26433045858  
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.

Science, according to popular (1)\_\_\_\_\_, is a remote and enigmatic idea that is (2)\_\_\_\_\_ the comprehension of ordinary minds and peace-loving people. This is most likely why the words 'scientist' and 'mad' have been used interchangeably for centuries. But, given that science is the foundation upon which our lives are built, isn't it (3)\_\_\_\_\_ that science appears to be beyond the common mind's comprehension? Similarly, mathematics, the (4)\_\_\_\_\_ of science, gives meaning to the concept of quantification and (5)\_\_\_\_\_ value for us humans. There are a few examples of how science and mathematics rewire our brains, just go and check.

**SubQuestion No : 23**

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

- Ans ☒ 1. ironic  
☐ 2. logical  
☐ 3. obvious  
☐ 4. gracious

Question ID : 26433045859

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.

Science, according to popular (1)\_\_\_\_\_, is a remote and enigmatic idea that is (2)\_\_\_\_\_ the comprehension of ordinary minds and peace-loving people. This is most likely why the words 'scientist' and 'mad' have been used interchangeably for centuries. But, given that science is the foundation upon which our lives are built, isn't it (3)\_\_\_\_\_ that science appears to be beyond the common mind's comprehension? Similarly, mathematics, the (4)\_\_\_\_\_ of science, gives meaning to the concept of quantification and (5)\_\_\_\_\_ value for us humans. There are a few examples of how science and mathematics rewire our brains, just go and check.

**SubQuestion No : 24**

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

- Ans ☐ 1. glory  
☐ 2. secret  
☐ 3. crest  
☒ 4. bedrock

Question ID : 26433045860

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.  
Science, according to popular (1)\_\_\_\_\_, is a remote and enigmatic idea that is (2)\_\_\_\_\_ the comprehension of ordinary minds and peace-loving people. This is most likely why the words 'scientist' and 'mad' have been used interchangeably for centuries. But, given that science is the foundation upon which our lives are built, isn't it (3)\_\_\_\_\_ that science appears to be beyond the common mind's comprehension? Similarly, mathematics, the (4)\_\_\_\_\_ of science, gives meaning to the concept of quantification and (5)\_\_\_\_\_ value for us humans. There are a few examples of how science and mathematics rewire our brains, just go and check.

**SubQuestion No : 25**

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

- Ans ☒ 1. unapparent  
☒ 2. incomprehensible  
☒ 3. unequivocal  
☒ 4. undecipherable

Question ID : 26433045861  
Status : Answered  
Chosen Option : 4

Section : General Intelligence

**Q.1** 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  
9 : 45 :: ? : 50 :: 32 : 68

- Ans ☒ 1. 7  
☒ 2. 18  
☒ 3. 14  
☒ 4. 21

Question ID : 26433046003  
Status : Answered  
Chosen Option : 3

**Q.2** Select the correct combination of mathematical signs to replace the \* signs and to balance the given equation.  
50 \* 5 \* 10 \* 1 \* 5 \* 5

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

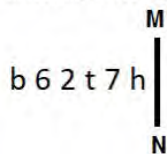
Question ID : 26433040710  
Status : Answered  
Chosen Option : 1

**Q.3** 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.  
35 : 135 :: 17 : ? :: 24 : 91

- Ans ☒ 1. 65  
☒ 2. 57  
☒ 3. 63  
☒ 4. 55

Question ID : 26433045024  
Status : Answered  
Chosen Option : 3

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



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

Question ID : 26433040554

Status : Answered

Chosen Option : 3

Q.5 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.  
13 : 69 :: 17 : ? :: 23 : 129

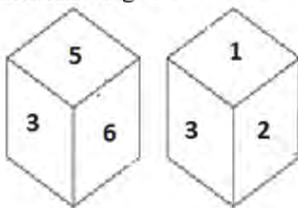
- Ans
- ☒ 1. 96
  - ☒ 2. 93
  - ☒ 3. 84
  - ☒ 4. 104

Question ID : 26433045036

Status : Answered

Chosen Option : 2

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 on the face opposite to the one showing '3'.



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

Question ID : 26433045310

Status : Answered

Chosen Option : 3

Q.7 In a certain code language, ' PLATINUM ' is codedas '171322110152214' and 'COPPER' is coded as '4161717619'. How will 'GOLD' be codedin that language?

- Ans
- ☒ 1. 816124
  - ☒ 2. 814335
  - ☒ 3. 816135
  - ☒ 4. 916135

Question ID : 26433043411

Status : Answered

Chosen Option : 3

Q.8 In a certain code language, 'SAVIOUR' is written as 'UYXGQST' and 'HEATERS' is written as 'JCCRGPU'. How will 'HEIGHTS' be written in that language?

- Ans ☒ 1. JCKJERU  
☒ 2. JCKEJRU  
☒ 3. JCKNRJU  
☒ 4. JCGJERU

Question ID : 26433040289  
Status : Answered  
Chosen Option : 2

Q.9 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- 1.Charger  
2.Chapel  
3.Chapter  
4.Charcoal  
5.Character

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

Question ID : 26433040286  
Status : Answered  
Chosen Option : 3

Q.10 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.

18 : 216 :: 20 : 280 :: 12 : ?

- Ans ☒ 1. 80  
☒ 2. 88  
☒ 3. 84  
☒ 4. 72

Question ID : 26433043301  
Status : Answered  
Chosen Option : 4

Q.11 Seven friends A, B, C, D, E, F and G, each has a different age. C is older than D. B is the oldest among all. E is older than G but younger than F. G is older than C. Only two people are younger than C. D is not the youngest. How many persons are younger than E?

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

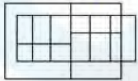
Question ID : 26433043469  
Status : Answered  
Chosen Option : 3

Q.12 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 fourth term is related to third term.  
GRAPES : SAREPG :: VERBAL : LREABV :: NUMBER : ?

- Ans ☒ 1. RMUFBN  
☒ 2. RMVEBN  
☒ 3. RMUEBN  
☒ 4. RMVFBN

Question ID : 26433043586  
Status : Answered  
Chosen Option : 3

Q.13 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).



- Ans ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

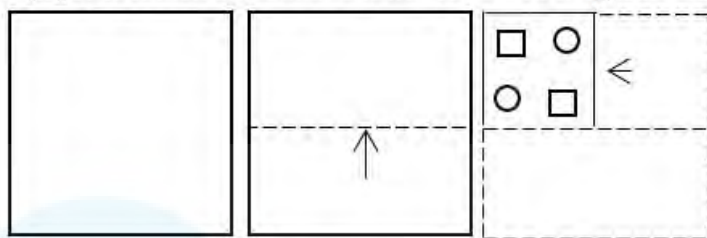
Question ID : 26433040338  
Status : Answered  
Chosen Option : 3

Q.14 Select the correct combination of mathematical signs to replace the \* signs and to balance the given equation.  
 $27 * 3 * 10 * 10 * 10$

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

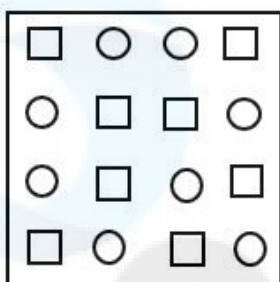
Question ID : 26433040705  
Status : Answered  
Chosen Option : 1

Q.15 A paper is folded and cut as shown. How will it appear when unfolded?

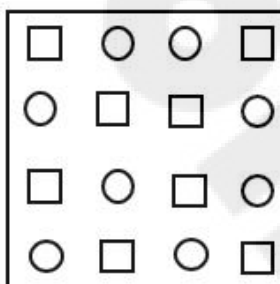


Ans

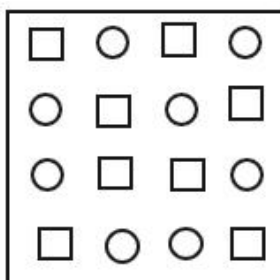
✗ 1.



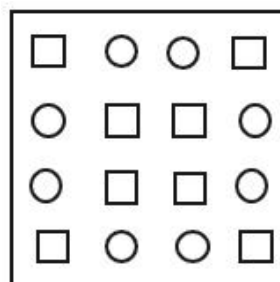
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433040508

Status : Answered

Chosen Option : 4



Q.16 Select the correct combination of mathematical signs to replace the \* signs and to balance the given equation.  
 $46*75*41*16*5$

Ans ☒ 1. +, -, =, ×

☒ 2. -, ×, =, +

☒ 3. +, =, -, ×

☒ 4. -, +, ×, =

Question ID : 26433040218

Status : Answered

Chosen Option : 1

Q.17 If 2<sup>st</sup> January 2008 was a Wednesday, then what was the day of the week on 1<sup>st</sup> January 2012?

Ans ☒ 1. Tuesday

☒ 2. Monday

☒ 3. Sunday

☒ 4. Saturday

Question ID : 26433040441

Status : Answered

Chosen Option : 1

Q.18 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

pr7t14

M  
|  
N

Ans ☒ 1. 4t17rp

☒ 2. 4t17rp

☒ 3. 4t17rp

☒ 4. 4t17rp

Question ID : 26433040321

Status : Answered

Chosen Option : 3

Q.19 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

amk479

M  
|  
N

Ans ☒ 1. 974km a

☒ 2. 974km a

☒ 3. 974km a

☒ 4. 974km a

Question ID : 26433040163

Status : Answered

Chosen Option : 2

Q.20 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. 16 : 224  
☒ 2. 21 : 399  
☒ 3. 35 : 1155  
☒ 4. 17 : 238

Question ID : 26433043573  
Status : Answered  
Chosen Option : 4

Q.21 Which letter-cluster will replace the question mark (?) to complete the given series?  
UBEJ, VEJQ, ?, XKTE, YNYL

- Ans ☒ 1. WJSQ  
☒ 2. WHOX  
☒ 3. WABI  
☒ 4. WRHC

Question ID : 26433044979  
Status : Answered  
Chosen Option : 2

Q.22 Which letter-cluster will replace the question mark (?) to complete the given series?  
ZOFB, ?, VKJF, TILH, RGNJ

- Ans ☒ 1. XNIF  
☒ 2. BQJF  
☒ 3. XMHD  
☒ 4. BNHE

Question ID : 26433039019  
Status : Answered  
Chosen Option : 3

Q.23 Which of the following numbers will replace the question mark (?) in the given series?  
348, 353, 339, ?, 330, 371

- Ans ☒ 1. 358  
☒ 2. 362  
☒ 3. 368  
☒ 4. 342

Question ID : 26433040841  
Status : Answered  
Chosen Option : 2

Q.24 Which of the following numbers will replace the question mark (?) in the given series?  
17,22,11,16,8,13,?

- Ans ☒ 1. 6.5  
☒ 2. 5.5  
☒ 3. 5  
☒ 4. 4

Question ID : 26433043269  
Status : Answered  
Chosen Option : 1

**Q.25** 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 woods are metals.

All metals are stones.

Some plastics are metals.

**Conclusions:**

I. Some stones are plastics.

II. Some woods are stones.

III. All stones are metals.

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

Question ID : 26433040736

Status : Answered

Chosen Option : 2

Section : Quantitative Aptitude

**Q.1** Which scheme among the following is most beneficial to the customer?

i) Successive discounts of 25% and 25%

ii) Flat discount of 40%

iii) Buy one, get one free

iv) Successive discounts of 30% and 20%

- Ans** ☒ 1. iii  
☒ 2. ii  
☒ 3. i  
☒ 4. iv

Question ID : 26433041525

Status : Answered

Chosen Option : 1

**Q.2** A 640 metre long train travelling at 80 km/h overtook a 540 metre long train travelling at 72 km/h in the same direction. How long did it take the faster train to cross the other train completely?

- Ans** ☒ 1. 8 minutes 41 seconds  
☒ 2. 9 minutes 09 seconds  
☒ 3. 9 minutes 01 second  
☒ 4. 8 minutes 51 seconds

Question ID : 26433043954

Status : Answered

Chosen Option : 4

**Q.3** In an assembly election of two candidates, the winner got 56% of the total valid votes. 5% of the total votes were declared invalid. If the total number of voters is 3,20,000 then what is the number of valid votes polled for the winning candidate?

- Ans** ☒ 1. 174020  
☒ 2. 175240  
☒ 3. 170420  
☒ 4. 170240

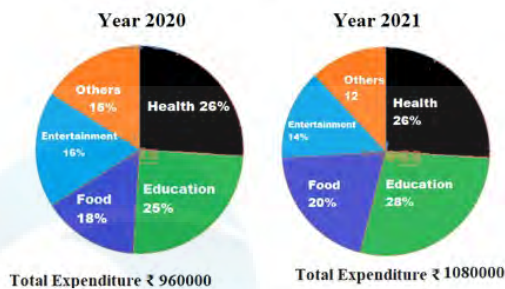
Question ID : 26433038617

Status : Answered

Chosen Option : 4

Q.4 Study the given pie charts carefully and answer the question that follows.

Percentage of different types of expenditures of a household in two years



The expenditure on Food in 2021 was what percentage of the expenditure on Education in 2020?

- Ans
- ☒ 1. 95%
  - ☒ 2. 85%
  - ☒ 3. 90%
  - ☒ 4. 80%

Question ID : 26433039280

Status : Answered

Chosen Option : 3

Q.5 Find the value of  $\sqrt{2 + \sqrt{3}} + \sqrt{2 - \sqrt{3}}$ .

- Ans
- ☒ 1.  $\sqrt{6}$
  - ☒ 2.  $2\sqrt{3}$
  - ☒ 3.  $2\sqrt{2}$
  - ☒ 4. 6

Question ID : 26433041625

Status : Answered

Chosen Option : 1

Q.6 Simplify:  $\frac{6}{5} \div \frac{6}{5} \text{ of } \frac{6}{5} \times \frac{5}{6} + \frac{9}{4} \div \frac{4}{5} \text{ of } \frac{15}{2} - \left\{ 8\frac{5}{9} + \left( \frac{4}{3} + \frac{5}{3} \text{ of } \frac{6}{25} \right) \right\}$

- Ans
- ☒ 1.  $-9\frac{9}{40}$
  - ☒ 2.  $-9\frac{79}{360}$
  - ☒ 3.  $-9\frac{7}{120}$
  - ☒ 4.  $-8\frac{281}{360}$

Question ID : 26433044263

Status : Answered

Chosen Option : 2

**Q.7** A dice is thrown 150 times, with the frequencies for the outcomes 1,2,3,4,5 and 6 being as given in the following table. How many times is the number appearing on the dice a prime number?

Outcome	1	2	3	4	5	6
Frequency	23	43	33	13	10	28

- Ans**
- ☒ 1. 88
  - ☒ 2. 109
  - ☒ 3. 86
  - ☒ 4. 66

Question ID : 26433041606  
Status : Answered  
Chosen Option : 3

**Q.8** Which of the following numbers is divisible by 55?

- Ans**
- ☒ 1. 178765
  - ☒ 2. 185625
  - ☒ 3. 171125
  - ☒ 4. 164485

Question ID : 26433044269  
Status : Answered  
Chosen Option : 2

**Q.9** Evaluate  $99 \times 99 - 1$ .

- Ans**
- ☒ 1. 9900
  - ☒ 2. 9800
  - ☒ 3. 9801
  - ☒ 4. 9899

Question ID : 26433039578  
Status : Answered  
Chosen Option : 2

**Q.10** A bus covers a certain distance travelling at a speed of 40 km/h and returns to the starting point at a speed of 60 km/h. The average speed (in km/h) for the entire journey is:

- Ans**
- ☒ 1. 48
  - ☒ 2. 20
  - ☒ 3. 100
  - ☒ 4. 50

Question ID : 26433044148  
Status : Answered  
Chosen Option : 1

**Q.11** The population of village has been continuously increasing at the rate of 10% per year. If its present population is 54,450, what was it two years ago?

- Ans**
- ☒ 1. 48000
  - ☒ 2. 45000
  - ☒ 3. 52000
  - ☒ 4. 50000

Question ID : 26433038880  
Status : Answered  
Chosen Option : 2

Q.12 If  $p = 38$ , then the value of  $p(p^2 + 3p + 3)$  is \_\_\_\_\_.

- Ans
- ☐ 1. 39313
  - ☐ 2. 59319
  - ☐ 3. 39318
  - ☒ 4. 59318

Question ID : 26433042663

Status : Answered

Chosen Option : 4

Q.13 Given below are some of the measures of the sides and angles of five triangles. Which of the triangles given in the options is NOT congruent to  $\triangle ABC$ ?

In  $\triangle ABC$ ,  $m(\overline{AB}) = 3.6$  cm,  $m(\overline{BC}) = 5$  cm,  $m(\overline{CA}) = 4$  cm,  $m(\angle B) = 52.4^\circ$ ,  $m(\angle C) = 45.5^\circ$

In  $\triangle DEF$ ,  $m(\overline{DE}) = 4$  cm,  $m(\overline{EF}) = 5$  cm,  $m(\overline{FD}) = 3.6$  cm

In  $\triangle GHI$ ,  $m(\overline{HI}) = 5$  cm,  $m(\angle H) = 52.4^\circ$ ,  $m(\angle I) = 45.5^\circ$

In  $\triangle JKL$ ,  $m(\overline{JK}) = 3.6$  cm,  $m(\overline{LJ}) = 4$  cm,  $m(\angle J) = 52.4^\circ$

In  $\triangle MNO$ ,  $m(\overline{MN}) = 3.6$  cm,  $m(\overline{NO}) = 5$  cm,  $m(\angle N) = 52.4^\circ$

- Ans
- ☐ 1.  $\triangle MNO$
  - ☐ 2.  $\triangle GHI$
  - ☒ 3.  $\triangle JKL$
  - ☐ 4.  $\triangle DEF$

Question ID : 26433044309

Status : Answered

Chosen Option : 3

Q.14 A person borrowed a sum of ₹8,000 at an interest rate of 10% p.a., compounded semi-annually. What is the compound interest for a period of 1 year?

- Ans
- ☒ 1. ₹820
  - ☐ 2. ₹1,600
  - ☐ 3. ₹1,680
  - ☐ 4. ₹800

Question ID : 26433041594

Status : Answered

Chosen Option : 1

Q.15 Sudhir claimed to sell his items at only 8% above the cost of production, but used a weight that had 750 grams written on it, though it actually weighed 720 grams. What was the actual profit percentage earned by Sudhir?

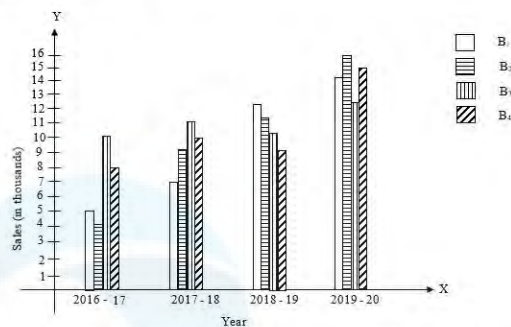
- Ans
- ☐ 1. 12.6%
  - ☐ 2. 12.25%
  - ☒ 3. 12.5%
  - ☐ 4. 12.75%

Question ID : 26433044281

Status : Answered

Chosen Option : 3

**Q.16** The given bar graph shows the sales (in thousands) of four mobile brands for four years. Study the graph and answer the question that follows.



If the sales of a brand is more than the average sales of these four brands in any year, then it gets a star. Which brand has the minimum number of stars from 2016 to 2019?

- Ans** ☒ 1. B1  
☒ 2. B3  
☒ 3. B2  
☒ 4. B4

Question ID : 26433045909  
Status : Answered  
Chosen Option : 3

**Q.17** If the length, the breadth, and the height of a cuboid are respectively 12 m, 6 m and 50 cm, then find the volume of the cuboid.

- Ans** ☒ 1. 336 m<sup>3</sup>  
☒ 2. 3600 m<sup>3</sup>  
☒ 3. 360 m<sup>3</sup>  
☒ 4. 36 m<sup>3</sup>

@Qmaths Question ID : 26433042462  
Status : Answered  
Chosen Option : 4

**Q.18** Copper and bronze are in the ratio 3 : 4 in 350 gm of an alloy. The quantity (in gm) of copper to be added to it to make the ratio 4 : 3 is:

- Ans** ☒ 1. 116.67 gm  
☒ 2. 126.67 gm  
☒ 3. 123.33 gm  
☒ 4. 113.33 gm

Question ID : 26433039517  
Status : Answered  
Chosen Option : 1

Q.19 If  $A = 30^\circ$ , what is the value of:

$$\frac{[6 \sin A + 9 \operatorname{cosec} A - \cot^2 A]}{12 \sin A}$$

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

Question ID : 26433038651  
Status : Answered  
Chosen Option : 3

Q.20 Find the volume of a cuboid whose dimensions are 15 m, 22 m and 5 m.

- Ans
- ☒ 1.  $1850 \text{ m}^3$
  - ☒ 2.  $1480 \text{ m}^3$
  - ☒ 3.  $1650 \text{ m}^3$
  - ☒ 4.  $1220 \text{ m}^3$

Question ID : 26433042625  
Status : Answered  
Chosen Option : 3

Q.21 In an examination it is required to get a minimum of 340 marks in aggregate to pass. A student gets 244 marks and is declared failed by 12% of the total marks. What are the maximum aggregate marks a student can get?

- Ans
- ☒ 1. 1000
  - ☒ 2. 800
  - ☒ 3. 960
  - ☒ 4. 720

Question ID : 26433039343  
Status : Answered  
Chosen Option : 2

Q.22 The area of a right-angled triangle is  $42 \text{ cm}^2$ . If the length of one of its two sides containing the right angle is 10 cm, find the length of the other side that contain the right angle.

- Ans
- ☒ 1. 4.0 cm
  - ☒ 2. 8.0 cm
  - ☒ 3. 8.4 cm
  - ☒ 4. 4.8 cm

Question ID : 26433042526  
Status : Answered  
Chosen Option : 3



Q.23 A can complete a work in 5 days and B can complete the same work in 10 days. If A and B work alternately, starting with A, in how many days will they complete the work?

Ans

☒ 1.  $6\frac{2}{5}$  days

☒ 2.  $6\frac{1}{2}$  days

☒ 3.  $7\frac{2}{5}$  days

☒ 4.  $7\frac{1}{2}$  days

Question ID : 26433039178

Status : Answered

Chosen Option : 2

Q.24 A merchant gives an additional discount of 10% on the product after an initial discount of 20% on the listed price. He managed to make a 10% profit by selling the product for ₹54,000. What was the listed price of the product?

Ans

☒ 1. ₹77,500

☒ 2. ₹77,000

☒ 3. ₹75,000

☒ 4. ₹72,500

Question ID : 26433042516

Status : Answered

Chosen Option : 3

Q.25 The difference between mean proportion of 9 & 16 and 4 & 9 is:

Ans

☒ 1. 6

☒ 2. 12

☒ 3. 108

☒ 4. 180

Question ID : 26433039528

Status : Answered

Chosen Option : 1

Section : General Awareness

Q.1 Which mountain range covers a distance of about 1500 miles (2400 km) and passes through India, Pakistan, Afghanistan, China, Bhutan, and Nepal?

Ans

☒ 1. Himalayan mountain range

☒ 2. Purvanchal mountain range

☒ 3. Aravalli mountain range

☒ 4. Pir Panjal mountain range

Question ID : 26433044787

Status : Answered

Chosen Option : 1

**Q.2 Article 32 of the Constitution of India deals with the:**

- Ans ☒ 1. Right to Freedom of Speech and Expression
- ☒ 2. Right against Exploitation
- ☒ 3. Right to Property
- ☒ 4. Right to Constitutional Remedies

Question ID : 26433042099  
Status : Answered  
Chosen Option : 4

**Q.3 Which biological stain is used in histology and cytology to colour all cell nuclei red?**

- Ans ☒ 1. Methyl orange
- ☒ 2. Safranin
- ☒ 3. Phenolphthalein
- ☒ 4. Cresol red

Question ID : 26433044843  
Status : Answered  
Chosen Option : 3

**Q.4 What is the area of coverage in a hectare of forest and tree cover in India as per Forest Survey 2021?**

- Ans ☒ 1. 89.9 million hectare
- ☒ 2. 80.9 million hectare
- ☒ 3. 88.9 million hectare
- ☒ 4. 90.9 million hectare

Question ID : 26433042006  
Status : Answered  
Chosen Option : 3

**Q.5 Name the first Indian woman to be conferred with Grammy Award.**

- Ans ☒ 1. Ananya Birla
- ☒ 2. Anushka Shankar
- ☒ 3. Asha Bhosle
- ☒ 4. Tanvi Shah

Question ID : 26433041720  
Status : Answered  
Chosen Option : 4

**Q.6 Which of the following is the autobiography of the international athlete Maria Sharapova?**

- Ans ☒ 1. Open
- ☒ 2. Unbreakable
- ☒ 3. But Seriously
- ☒ 4. Unstoppable: My Life So Far

Question ID : 26433038991  
Status : Answered  
Chosen Option : 4

Q.7 In an economy, fisheries are a part of \_\_\_\_\_.

- Ans ☒ 1. tertiary sector  
☒ 2. secondary sector  
☒ 3. either secondary or tertiary sector  
☒ 4. primary sector

Question ID : 26433042065  
Status : Answered  
Chosen Option : 4

Q.8 Padma Shri awardee Shobha Naidu was a \_\_\_\_\_ dancer.

- Ans ☒ 1. Odissi  
☒ 2. Mohiniyattam  
☒ 3. Kuchipudi  
☒ 4. Kathak

Question ID : 26433042281  
Status : Answered  
Chosen Option : 2

Q.9 Which of the following countries won two ICC T20 World Cup Cricket titles?

- Ans ☒ 1. New Zealand  
☒ 2. Australia  
☒ 3. West Indies  
☒ 4. India

Question ID : 26433044470  
Status : Answered  
Chosen Option : 3

Q.10 Veteran Dance guru, Jatin Goswami was awarded with the Kalidas Samman for his significant contribution to which of the following dance forms?

- Ans ☒ 1. Sattriya  
☒ 2. Deodhani  
☒ 3. Chhau  
☒ 4. Bagurumba

Question ID : 26433041777  
Status : Answered  
Chosen Option : 2

Q.11 The Constitution (Scheduled Castes) Order Amendment Bill, 2021 was introduced in the Lok Sabha on 13 February 2021, which amended the Constitution (Scheduled Castes) Order, \_\_\_\_\_.

- Ans ☒ 1. 1952  
☒ 2. 1950  
☒ 3. 1947  
☒ 4. 1959

Question ID : 26433044401  
Status : Answered  
Chosen Option : 1

Q.12 Who among the following was honoured with the Padma Shri in 2011 for his/her excellence in Chhau, a semi-classical dance form of Eastern India?

- Ans ☒ 1. Kedarnath Sahoo  
☒ 2. Gopal prasad Dubey  
☒ 3. Suddhenra Narayan Singhdeo  
☒ 4. Makar Dhwaja Daroga

Question ID : 26433042349  
Status : Answered  
Chosen Option : 3

Q.13 As in August 2021, which State Government agreed to continue to sponsor the men's and women's national hockey teams for another 10 years after the current sponsorship ends in 2023?

- Ans ☒ 1. Bihar  
☒ 2. Odisha  
☒ 3. Uttar Pradesh  
☒ 4. Maharashtra

Question ID : 26433041861  
Status : Answered  
Chosen Option : 2

Q.14 Which of the following is the title of the autobiography of Sania Mirza?

- Ans ☒ 1. Sunny Days  
☒ 2. Touched by God  
☒ 3. Ace Against Odds  
☒ 4. Unbreakable

Question ID : 26433038745  
Status : Answered  
Chosen Option : 3

Q.15 'A Shot at History: My Obsessive Journey to Olympic Gold' is the autography of the famous sportsperson \_\_\_\_\_.

- Ans ☒ 1. Abhinav Bindra  
☒ 2. PV Sindhu  
☒ 3. Mirabai Chanu  
☒ 4. Lovlina Borgohain

Question ID : 26433038748  
Status : Answered  
Chosen Option : 1

Q.16 भारत में मुगल काल के दौरान राग दरबारी कनाडा के निर्माता और अकबर के दरबार के दरबारी कवि निम्नलिखित में से कौन थे?

- Ans ☒ 1. बिलास खान  
☒ 2. स्वामी हरिदास  
☒ 3. बैजू बावरा  
☒ 4. मियां तानसेन

Question ID : 26433042337  
Status : Answered  
Chosen Option : 4

Q.17 In which year did Dmitri Mendeleev and Lothar Meyer individually come up with their own periodic law and proposed that on arranging elements in the increasing order of their atomic weights, similarities appear in physical and chemical properties at regular intervals?

- Ans ☒ 1. 1870  
☒ 2. 1879  
☒ 3. 1869  
☒ 4. 1850

Question ID : 26433042094  
Status : Answered  
Chosen Option : 3

Q.18 Who among the following is the best Rudra Veena player in Hindustani Classical Music?

- Ans ☒ 1. Ustad Rashid Khan  
☒ 2. Inayat Hussain Khan '  
☒ 3. Sultan Khan  
☒ 4. Ustad Asad Ali Khan

Question ID : 26433041937  
Status : Answered  
Chosen Option : 4

Q.19 Which gymnastic event takes place on a large floor mat?

- Ans ☒ 1. Uneven parallel bar  
☒ 2. Floor exercise  
☒ 3. Vaulting table  
☒ 4. Balance beam

Question ID : 26433042202  
Status : Answered  
Chosen Option : 2

Q.20 Philosophiae Naturalis Principia Mathematica, popularly known as Principia, published in 1687, is the great work of which scientist?

- Ans ☒ 1. Johannes Kepler  
☒ 2. John Philoponus  
☒ 3. Isaac Newton  
☒ 4. Edmund Halley

Question ID : 26433044702  
Status : Answered  
Chosen Option : 1

Q.21 identify the formula that represents Ohm's law.

- Ans ☒ 1.  $V = A + \Omega$   
☒ 2.  $A = V \times \Omega$   
☒ 3.  $\Omega = A \times V$   
☒ 4.  $V = A \times \Omega$

Question ID : 26433039393  
Status : Answered  
Chosen Option : 4

Q.22 Who among the following Indian musician founded Harmony and Universality through Music (HUM) to perform in different parts of the world and draw people's attention to specially-abled children?

- Ans ☒ 1. Kumar Bose  
☒ 2. Sandeep Das  
☒ 3. Swapan Chaudhuri  
☒ 4. Anindo Chatterjee

Question ID : 26433044565  
Status : Answered  
Chosen Option : 4

Q.23 Sitara Devi, Padma Shri and Kalidas Samman awardee was awarded for reviving which of the following dance forms in India?

- Ans ☒ 1. Kathak  
☒ 2. Bharatanatyam  
☒ 3. Odissi  
☒ 4. Kuchipudi

Question ID : 26433041770  
Status : Answered  
Chosen Option : 1

Q.24 Which of the following plants is on the verge of extinction due to insensitivity to our environment?

- Ans ☒ 1. Rosa damascena  
☒ 2. Madhuca insignis  
☒ 3. Helianthus annuus  
☒ 4. Bellis perennis

Question ID : 26433044852  
Status : Answered  
Chosen Option : 1

Q.25 1 फरवरी 2021 को, \_\_\_\_\_ ने राज्य के कॉलेज के छात्रों और साहित्यिक निकायों को मौद्रिक सहायता प्रदान करने के लिए दो योजनाओं – प्रज्ञान भारती और भाषा गौरव – की घोषणा की।

- Ans ☒ 1. छत्तीसगढ़  
☒ 2. पश्चिम बंगाल  
☒ 3. झारखंड  
☒ 4. असम

Question ID : 26433044413  
Status : Answered  
Chosen Option : 3