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Combined Higher Secondary Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	
Exam Date	21/03/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2022 Tier I

Section : **English Language**

Q.1 **Choose the sentence with no spelling error.**

Ans ✗ 1. I was rently at a literary festival.

✗ 2. I was recently at a litrary festival.

✓ 3. I was recently at a literary festival.

✗ 4. I was recently at a literery fstival.

Question ID : **264330124256**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.**
There has been a <u>noticeable fall</u> in the number of children dying from malnutrition.

Ans ✗ 1. noticeable falling

✓ 2. No improvement

✗ 3. noticeably falling

✗ 4. noticeably falls

Question ID : **264330124588**
Status : **Answered**
Chosen Option : **1**

Q.3 **Rearrange the parts of the sentence in correct order.**
P. application, which can also be used to log complaints about
Q. littering or caused by the animals, according to officials
R. registered with the local authority through a mobile phone
S. the residents of Noida can now get their pets like dogs or cats

Ans ✗ 1. QRPS

✓ 2. SRPQ

✗ 3. PRQS

✗ 4. RQPS

Question ID : **264330124248**
Status : **Answered**
Chosen Option : **2**

Q.4 **Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.**
Near 800 million people worldwide lack updated sanitation.

Ans ✗ 1. updated sanitation.

✗ 2. people worldwide lack

✗ 3. No error

✓ 4. Near 800 million

Question ID : **264330124239**
Status : **Answered**
Chosen Option : **4**

Q.5 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Scientists have predicted that the cultivation of rice will be **affected severe**.

Ans   ✗ 1. affect severe

     ✗ 2. No improvement

     ✗ 3. effecting severely

     ✓ 4. affected severely

Question ID : **264330124328**
Status : **Answered**
Chosen Option : **4**

Q.6 The given sentence is in active voice. Change the voice of the sentence. Select the correct option from the sentences given in options.

She used the aerobic ball during workout.

Ans   ✗ 1. During workout the aerobic ball were to be used by her.

     ✗ 2. During workout the aerobic ball will be used by her.

     ✗ 3. During workout the aerobic ball had been used by her.

     ✓ 4. During workout the aerobic ball was used by her.

Question ID : **264330125811**
Status : **Answered**
Chosen Option : **4**

Q.7 Choose the word that can substitute the given group of words.

A child born after the death of his father

Ans   ✗ 1. Orphan

     ✗ 2. Pseudonym

     ✓ 3. Posthumous

     ✗ 4. Bigot

Question ID : **264330124440**
Status : **Answered**
Chosen Option : **1**

Q.8 Select the option that will improve the bracketed part of the sentence. In case no improvement is needed, select 'No improvement'.

Dad said that, **"She would have been a great sister if she was just a bit more careful"**.

Ans   ✗ 1. No improvement

     ✗ 2. that, "She would have been a great sister if she were just a bit more careful"

     ✓ 3. "She would have been a great sister if she were just a bit more careful"

     ✗ 4. "She would have been a greatest sister if she was just a bit more careful"

Question ID : **264330125798**
Status : **Answered**
Chosen Option : **3**

Q.9 Choose the word that means the same as the given word.

Fad

Ans   ✓ 1. Sensation

     ✗ 2. Standard

     ✗ 3. Classic

     ✗ 4. Deviant

Question ID : **264330124650**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Select the most appropriate option to fill in the blank.
In space it is possible to identify and _____ some unique characteristics of human physiology and biology.

Ans ✅ 1. isolate

❌ 2. excess

❌ 3. replete

❌ 4. partition

Question ID : **264330124782**
Status : **Answered**
Chosen Option : **3**

Q.11 Choose the word that is opposite in meaning to the given word.
Devious

Ans ✅ 1. Outspoken

❌ 2. Circuitous

❌ 3. Clandestine

❌ 4. Serpentine

Question ID : **264330124251**
Status : **Answered**
Chosen Option : **4**

Q.12 Choose the word that means the same as the given word.
Nacreous

Ans ❌ 1. Monochromatic

❌ 2. Pale

❌ 3. Gloom

✅ 4. Iridescent

Question ID : **264330124130**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
Mary doesn't like cartoons because they are loud, so she doesn't watched them.

Ans ❌ 1. do not watched this

✅ 2. doesn't watch them

❌ 3. No improvement

❌ 4. does watching them

Question ID : **264330124224**
Status : **Answered**
Chosen Option : **2**

Q.14 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To play with fire

Ans ❌ 1. Feel sick

✅ 2. To take foolish risk

❌ 3. To abuse

❌ 4. Show disappointment

Question ID : **264330124253**
Status : **Answered**
Chosen Option : **2**

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Q.15 Choose the incorrectly spelt word.

Ans ✓ 1. Flufy

✗ 2. Gifted

✗ 3. Juggler

✗ 4. Struggler

Q.16 Parts of the following sentence are given as options. Identify the part that contains a grammatical error. If there is no error, select 'No error'.
That was a good / conversation, I look forward / to meet you.

Ans ✗ 1. That was a good

✓ 2. to meet you.

✗ 3. conversation, I look forward

✗ 4. No error

Q.17 Select the correct indirect form of the given sentence.
Nandini said, "I bought a pen yesterday."

Ans ✗ 1. Nandini said she did bought a pen the previous day.

✓ 2. Nandini said that she had bought a pen the previous day.

✗ 3. Nandini said that she had bought a pen yesterday.

✗ 4. Nandini says that she had bought a pen the previous day.

Q.18 Select the most appropriate meaning of the given idiom.
Backseat driver

Ans ✓ 1. A person who offers unsolicited advice.

✗ 2. To miss an appointed meeting.

✗ 3. Attempt to get control over someone.

✗ 4. To conclude proceedings.

Q.19 Choose the word that means the same as the given word.
Corrective

Ans ✗ 1. Commuting

✓ 2. Restorative

✗ 3. Compensatory

✗ 4. Sluggish

Q.20 Rearrange the parts of the sentence in correct order.
Research shows
P. that medium-skilled employees who work
Q. in front of a computer and work beyond
R. 4.6 effective hours a day produce smaller
S. quantities of output per hour due to fatigue

Ans ✗ 1. RQSP

✗ 2. PQSR

✗ 3. SQRP

✓ 4. PQRS

Question ID : **264330124091**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1)_____. Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) _____ and repetitive pattern. Molecules are too small for us to see moving around and (3) _____ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) _____ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) _____, and a structure or pattern emerges.

SubQuestion No : 21

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

Ans ✗ 1. convergence

✗ 2. ramification

✗ 3. disposition

✓ 4. solution

Question ID : **264330124242**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1)_____. Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) _____ and repetitive pattern. Molecules are too small for us to see moving around and (3) _____ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) _____ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) _____, and a structure or pattern emerges.

SubQuestion No : 22

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

Ans ✓ 1. orderly

✗ 2. vastly

✗ 3. wholly

✗ 4. adeptly

Question ID : **264330124243**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1)_____. Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) _____ and repetitive pattern. Molecules are too small for us to see moving around and (3) _____ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) _____ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) _____, and a structure or pattern emerges.

SubQuestion No : 23

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

Ans ✗ 1. summarizing

✗ 2. shielding

✔ 3. arranging

✗ 4. dividing

Question ID : **264330124244**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1)_____. Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) _____ and repetitive pattern. Molecules are too small for us to see moving around and (3) _____ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) _____ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) _____, and a structure or pattern emerges.

SubQuestion No : 24

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

Ans ✔ 1. add

✗ 2. curse

✗ 3. please

✗ 4. toil

Question ID : **264330124245**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1)_____. Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) _____ and repetitive pattern. Molecules are too small for us to see moving around and (3) _____ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) _____ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) _____, and a structure or pattern emerges.

SubQuestion No : 25

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

Ans ✗ 1. others

✗ 2. one

✔ 3. one another

✗ 4. every other

Question ID : **264330124246**
Status : **Answered**
Chosen Option : **1**

Q.1 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. Some A are T.
II. Some T are H.
Conclusions:
I. No T is A.
II. No H is T.
III. No A is H.

Ans ✗ 1. Only conclusion I follows

✗ 2. All conclusion follows

✗ 3. Only conclusion II follows

✓ 4. Neither conclusion follows

Question ID : **264330126931**
Status : **Answered**
Chosen Option : **4**

Q.2 In the following question, four number pairs are given. In each pair the number on left side of (–) is related to the number of the right side of (–) with some Logic/Rule /Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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 /subtracting /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. 56885 – 11377

✓ 2. 38515 – 7701

✗ 3. 74235 – 14847

✗ 4. 82695 – 16539

Question ID : **264330127295**
Status : **Answered**
Chosen Option : **2**

Q.3 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
TRAP, MMRE, FHIT, YCZI, ?

Ans ✗ 1. RYQY

✓ 2. RXQX

✗ 3. RYQX

✗ 4. RXQY

Question ID : **264330126926**
Status : **Answered**
Chosen Option : **2**

Q.4 In the following question, select the missing number from the given series.
34, 71, 108, 145, ?, 219

Ans ✗ 1. 160

✓ 2. 182

✗ 3. 180

✗ 4. 172

Question ID : **264330126694**
Status : **Answered**
Chosen Option : **2**

Q.5 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Six : Hexagon :: ?

Ans ✓ 1. Four : Rectangle

✗ 2. Four : Pentagon

✗ 3. Three : Square

✗ 4. Seven : Octagon

Question ID : **264330127103**
Status : **Answered**
Chosen Option : **1**

Q.6 Pointing towards a lady in a photo, Rinku said, "She is my son's sister's mother". How that lady is related to Rinku?

Ans ✗ 1. Daughter

✗ 2. Daughter in law

✗ 3. Sister

✓ 4. Wife

Question ID : **264330126927**
Status : **Answered**
Chosen Option : **4**

Q.7 In the following question, select the odd letter/letters from the given alternatives.

Ans ✓ 1. KLIO

✗ 2. RSPT

✗ 3. VWTX

✗ 4. HIFJ

Question ID : **264330126929**
Status : **Answered**
Chosen Option : **1**

Q.8 Select the option figure in which the given figure is embedded. (Rotation is NOT allowed).

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
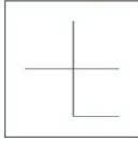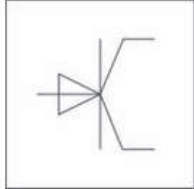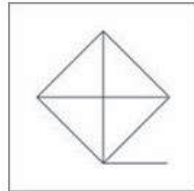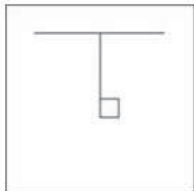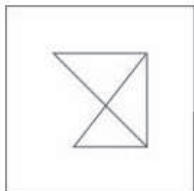
Question ID : 264330127660
Status : **Answered**
Chosen Option : **2**

Q.9 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)
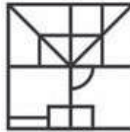

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.
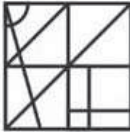
Q.10 In the following question, select the related letters from the given alternatives.
PM : RO :: BC : ?

Ans ✓ 1. DE

✗ 2. ZA

✗ 3. JK

✗ 4. XY

Q.11 After interchanging which two signs and two numbers (Not digits), the value of the given expression will be '45'?
10 × 8 ÷ 6 − 2 + 4

Ans ✗ 1. + and −, 8 and 6

✗ 2. + and ×, 10 and 4

✗ 3. ÷ and −, 10 and 8

✓ 4. ÷ and −, 4 and 8

Q.12 In a certain code language, 'ONLINE + THEIR' is coded as '11', 'FREE + NEW' is coded as '7'. What is the code for 'HELP + STUDENTS' in that code language?

Ans ✗ 1. 10

✓ 2. 12

✗ 3. 8

✗ 4. 6

Q.13 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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 /subtracting /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)
(182, 79, 378)
(345, 16, 604)

Ans ✓ 1. (79, 18, 178)

✗ 2. (53, 72, 82)

✗ 3. (68, 79, 193)

✗ 4. (84, 64, 84)

Q.14 How many cycles are not pedals?
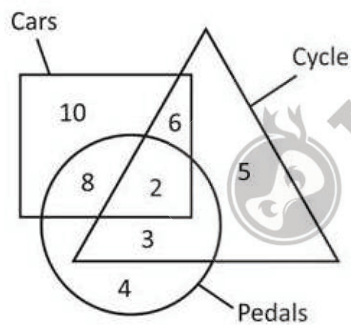
Ans ✗ 1. 8

✓ 2. 11

✗ 3. 7

✗ 4. 5

Q.15 In a certain code language, 'PRINTS' is coded as 'QRLHQO'. What is the code for 'STRICT' in that code language?

Ans   ✗ 1. RAGSQR

     ✓ 2. RAGQSR

     ✗ 3. RAQGSR

     ✗ 4. RGAQSR

Q.16 In the following question, four number pairs are given. In each pair the number on left side of (–) is related to the number of the right side of (–) with some Logic/Rule /Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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 /subtracting /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. 9 – 810

     ✗ 2. 11 – 1452

     ✗ 3. 7 – 392

     ✓ 4. 13 – 2368

Q.17 If 13 @ 2 # 5 = 10 and 43 # 9 @ 16 = 50, then 8 @ 6 # 3 = ?

Ans   ✗ 1. 7

     ✓ 2. 11

     ✗ 3. 10

     ✗ 4. 8

Q.18 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

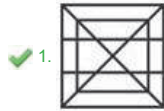**Ans**

✓ 1.

✗ 2.

✗ 3.

✗ 4.
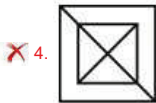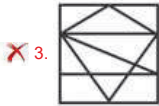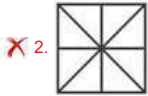
Question ID : **264330127260**
Status : **Answered**
Chosen Option : **1**

Q.19 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Uttar Pradesh : Lucknow :: ?

Ans ✗ 1. Sikkim : Trivandrum

✗ 2. Rajasthan : Sikar

✓ 3. West Bengal : Kolkata

✗ 4. Chennai : Tamil Nadu

Question ID : **264330127303**
Status : **Answered**
Chosen Option : **3**

Q.20 In the following question, select the odd word pair from the given alternatives.

Ans ✗ 1. Ottawa – Canada

✓ 2. Karachi – Pakistan

✗ 3. Rome – Italy
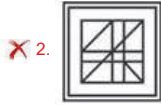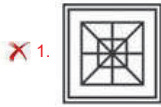
✗ 4. Canberra – Australia

Question ID : **264330127530**
Status : **Answered**
Chosen Option : **2**

Q.21 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

Ans

✗ 1.

✗ 2.

✗ 3.

✓ 4.

Q.22 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
1. Lean
2. League
3. Lecture
4. Layout
5. Leftist

Ans ✗ 1. 4, 2, 3, 1, 5

✗ 2. 2, 1, 5, 3, 4

✓ 3. 4, 2, 1, 3, 5

✗ 4. 4, 2, 1, 5, 3

Q.23 Select the option that is related to the sixth number in the same way as the first number is related to the second number and third number is related to fourth number.
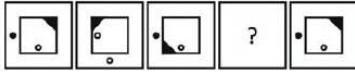319 : 552 :: 146 : 379 :: ? : 774

Ans ✗ 1. 535

✗ 2. 639

✓ 3. 541

✗ 4. 479

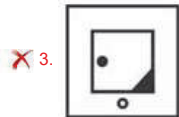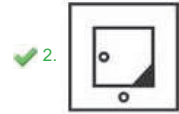**Q.24** Select the figure from the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.
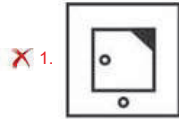
Question ID : **264330126933**
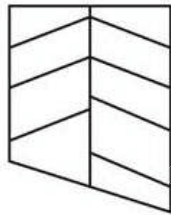Status : **Answered**
Chosen Option : **2**

Q.25 How many quadrilaterals are there in the given figure?

Ans ✗ 1. 24
✓ 2. 26
✗ 3. 22
✗ 4. 20

Question ID : **264330126934**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 If tan A = 3/7, then what is the value of cosec A ?

Ans

✗ 1. $\dfrac{2\sqrt{10}}{3}$

✗ 2. $\dfrac{7\sqrt{10}}{20}$

✔ 3. $\dfrac{\sqrt{58}}{3}$

✗ 4. $\dfrac{3}{\sqrt{58}}$

Question ID : **264330127707**
Status : **Answered**
Chosen Option : **3**

Q.2 A 1800 metres long train crosses a man walking in opposite direction in 10 seconds. If the speed of train is 8 times to the speed of man, then what is the speed of train?

Ans

✔ 1. 576 km/hr

✗ 2. 640 km/hr

✗ 3. 596 km/hr

✗ 4. 570 km/hr

Question ID : **264330127915**
Status : **Not Answered**
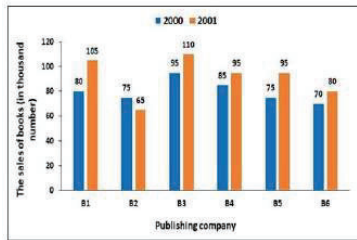Chosen Option : **--**

Q.3 Distance of a chord RS from the centre is 20 cm, If the length of this chord is 30 cm, then what will be the diameter of this circle?

Ans

✗ 1. 45 cm

✗ 2. 55 cm

✗ 3. 60 cm

✔ 4. 50 cm

Question ID : **264330128198**
Status : **Answered**
Chosen Option : **4**

Q.4 The bar graph given below shows the sales of books (in thousand number) from six branches - B1, B2, B3, B4, B5 and B6 of a publishing company during two consecutive years 2000 and 2001.
Find the percentage (approximate) of the average sales of branches B2, B4 and B6 in the year 2001 to the average sales of branches B1, B3 and B5 in the year 2001.

Ans

✗ 1. 97.95%

✗ 2. 82.26%

✔ 3. 77.42%

✗ 4. 92%

Q.5 If $\frac{(17)^3 - (7)^3}{(17^2 + 7^2 + k)} = 10$, then what is the value of k?

Ans

✗ 1. 102

✔ 2. 119

✗ 3. 136

✗ 4. 85

Q.6 What is the value of $4^2 - 3^2 + 6^2 - 5^2 + 8^2 - 7^2 + \ldots\ldots 92^2 - 91^2$?

Ans

✗ 1. 4272

✗ 2. 4280

✗ 3. 4278

✔ 4. 4275

Q.7 Rs. 43,120 is divided among P, Q and R such that P's share is 4/7 of total share of Q and R together and Q's share is 2/5 of total share of P and R together. What is the share of R?

Ans

✔ 1. Rs. 15120

✗ 2. Rs. 14220

✗ 3. Rs. 16400

✗ 4. Rs. 18050

Q.8 The bar graph given below shows the number of girls in 7 schools.
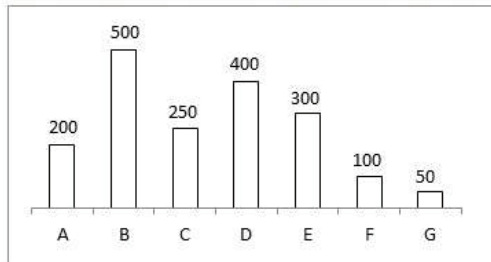
The number of girls in A is what percent of the number of girls in F?

Ans
- ✗ 1. 100 percent
- ✓ 2. 200 percent
- ✗ 3. 150 percent
- ✗ 4. 50 percent

Question ID : **264330128111**
Status : **Answered**
Chosen Option : **2**

Q.9 A merchant marks the price of his article 20 percent above the cost price. If he allows 10 percent discount, then what is the profit or loss percentage?

Ans
- ✓ 1. 8 percent profit
- ✗ 2. 3.33 percent loss
- ✗ 3. 6 percent loss
- ✗ 4. 5 percent profit

Question ID : **264330127918**
Status : **Answered**
Chosen Option : **1**

Q.10 Three metallic cubes whose sides are 6 cm, 8 cm and 10 cm respectively are melted and converted into a single cube. If there is no loss of metal in this process, then what is the length of the side of the new cube?

Ans
- ✗ 1. 16 cm
- ✗ 2. 14 cm
- ✓ 3. 12 cm
- ✗ 4. 20 cm

Question ID : **264330127916**
Status : **Answered**
Chosen Option : **3**

Q.11 The average of marks obtained by X and Y is 35 less than the average marks obtained by Y and Z. If the marks obtained by Z is 85, what is the marks obtained by X?

Ans
- ✗ 1. 155
- ✓ 2. 15
- ✗ 3. 35
- ✗ 4. 25

Question ID : **264330127917**
Status : **Answered**
Chosen Option : **1**

Q.12 P sells a bottle to Q at a profit of 30 percent and Q sells it to R at a profit of 20 percent. What is the ratio of cost prices of P and R?

Ans
- ✗ 1. $24 : 35$
- ✓ 2. $25 : 39$
- ✗ 3. $12 : 17$
- ✗ 4. $13 : 19$

Question ID : **264330127920**
Status : **Answered**
Chosen Option : **2**

Q.13 A man borrows a sum of Rs.12,000 which amounts to Rs.13,200 in 2 years on simple interest. What would have been the amount if the rate of interest was doubled?

Ans
- ✗ 1. Rs.13,400
- ✓ 2. Rs.14,400
- ✗ 3. Rs.12,400
- ✗ 4. Rs.14,000

Question ID : **264330128522**
Status : **Answered**
Chosen Option : **2**

Q.14 What is the value of $\dfrac{\tan\theta - \sec\theta + 1}{\tan\theta + \sec\theta - 1}$?

Ans
- ✗ 1. $\sec\theta + \tan\theta$
- ✗ 2. $\dfrac{(1+\sin\theta)}{\cos\theta}$
- ✗ 3. $2\sec\theta$
- ✓ 4. $\dfrac{\cos\theta}{(1+\sin\theta)}$

Question ID : **264330127933**
Status : **Not Answered**
Chosen Option : **--**

Q.15 If $A = \dfrac{18 \div 9 \times 4}{15 \div 3 \times 5}$ and $B = \dfrac{18 \div 36 \times 3 + 5 \times 1 - 6}{18 \div 6 \times 20 - 3 \times 4 + 12}$, then what is the value of $(A + B)$?

Ans
- ✗ 1. $137/600$
- ✗ 2. $23/100$
- ✗ 3. $187/600$
- ✓ 4. $197/600$

Question ID : **264330127931**
Status : **Answered**
Chosen Option : **4**

Q.16 Raman spends 50 percent of his income. If his income increases by 10 percent and the expenditure also increases by 10 percent, then what will be the percentage increase in his savings?

Ans ✗ 1. 20 percent

  ✗ 2. 16.66 percent

  ✔ 3. 10 percent

  ✗ 4. 8.33 percent

Question ID : **264330127919**
Status : **Answered**
Chosen Option : **3**

Q.17 Two identical circles intersect each other such that each passes through the centre of the other. Length of common chord is 16√3 cm. What is the radius of each circle?

Ans ✔ 1. 16 cm

  ✗ 2. 16√3 cm

  ✗ 3. 16√2 cm

  ✗ 4. 8√3 cm

Question ID : **264330127924**
Status : **Answered**
Chosen Option : **1**

Q.18 A alone can complete the project in 10 days; B alone can complete it in 20 days while C alone can complete it in 30 days. They together earn Rs.1,100 for the project. By how much do the total earnings of A and C exceed the earnings of B ?

Ans ✗ 1. Rs.600

  ✗ 2. Rs.900

  ✗ 3. Rs.700

  ✔ 4. Rs.500

Question ID : **264330128514**
Status : **Answered**
Chosen Option : **4**

Q.19 The line chart given below shows the number of girls in 7 schools.
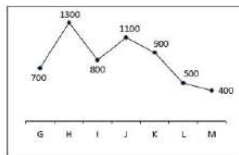
What is the difference between number of girls in school G, H and I together and the number of girls in school J, K, L and M together?

Ans ✗ 1. 400

  ✗ 2. 50

  ✔ 3. 100

  ✗ 4. 200

Question ID : **264330127937**
Status : **Answered**
Chosen Option : **3**

Q.20 What is the value of $\dfrac{\cot 60° - \cot 30°}{1 + \cot 60°.\cot 30°}$?

Ans
✗ 1. $1/\sqrt{3}$

✗ 2. $\sqrt{3}$

✗ 3. $-\sqrt{3}$

✓ 4. $-1/\sqrt{3}$

Question ID : **264330128207**
Status : **Answered**
Chosen Option : **4**

Q.21 The pie chart given below shows the number of girls in six schools. The total number of girls in all these six schools are 4000. Number of girls in a particular school is shown as a percentage of total number of girls in all these six schools.
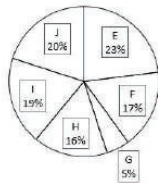
What is the value of central angle formed by sector F?

Ans
✗ 1. 48.4 degree

✗ 2. 72.3 degree

✗ 3. 31.4 degree

✓ 4. 61.2 degree

Question ID : **264330128311**
Status : **Answered**
Chosen Option : **4**

Q.22 Angle subtended by a chord AB on the circumference is 90 degree. If radius of this circle is 8 cm, then what is the length of AB?

Ans
✓ 1. 16 cm

✗ 2. 18 cm

✗ 3. 14 cm

✗ 4. 12 cm

Question ID : **264330127698**
Status : **Answered**
Chosen Option : **1**

Q.23 In ΔSTU, SE and TF are medians intersect each other at O. If UT = 34 cm, TF = 22.5 cm and SE = 24 cm, then what is the value of ∠TOE?

Ans
- ✗ 1. 75 degree
- ✗ 2. 60 degree
- ✗ 3. 45 degree
- ✓ 4. 90 degree

Q.24 Which of the following is largest among $(125)^{\frac{1}{6}}, (11)^{\frac{1}{3}}, (12)^{\frac{1}{6}}, (5)^{\frac{1}{4}}$?

Ans
- ✗ 1. $(12)^{\frac{1}{6}}$
- ✗ 2. $(11)^{\frac{1}{3}}$
- ✓ 3. $(125)^{\frac{1}{6}}$
- ✗ 4. $(5)^{\frac{1}{4}}$

Q.25 If $a + \frac{1}{a} = 4$, then what is the value of $a^4 + \frac{1}{a^4}$?

Ans
- ✗ 1. 206
- ✓ 2. 194
- ✗ 3. 204
- ✗ 4. 198

Section : **General awareness**

Q.1 As per Global Hunger Index (GHI) 2022, India ranks at _____ position.

Ans
- ✗ 1. 57th
- ✗ 2. 77th
- ✗ 3. 97th
- ✓ 4. 107th

Q.2 What is the full form of EPROM?

Ans ✗ 1. Erasable Permanent Read Only Memory

✗ 2. Entire Programmable Read Only Memory

✓ 3. Erasable Programmable Read Only Memory

✗ 4. Entire Permanent Read Only Memory

Question ID : **264330125008**
Status : **Answered**
Chosen Option : **3**

Q.3 Which of the following is monoatomic?

Ans ✗ 1. Nitrogen

✗ 2. Oxygen

✗ 3. Chlorine

✓ 4. Helium

Question ID : **264330125017**
Status : **Answered**
Chosen Option : **4**

Q.4 Which of the following persons has been awarded the Nobel Peace Prize?

Ans ✗ 1. C. V. Raman

✓ 2. Kailash Satyarthi

✗ 3. Amartya Sen

✗ 4. Rabindranath Tagore

Question ID : **264330125627**
Status : **Answered**
Chosen Option : **2**

Q.5 Gandhiji, aged _____, arrived in India in 1915 from South Africa.

Ans ✗ 1. 52

✓ 2. 46

✗ 3. 28

✗ 4. 34

Question ID : **264330125024**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Which among the following is a viral disease?

Ans ✓ 1. Chicken pox

✗ 2. Tuberculosis

✗ 3. Whooping Cough

✗ 4. Malaria

Question ID : **264330125618**
Status : **Answered**
Chosen Option : **1**

Q.7 Which of the following is NOT a valid file format in MS-PowerPoint 365?

Ans ✗ 1. .pptm

✓ 2. .pwpt

✗ 3. .ppt

✗ 4. .pptx

Question ID : **264330125009**

Status : **Not Answered**

Chosen Option : **--**

Q.8 The First Amendment Act, 1951 of the Indian constitution added which of the following schedules?

Ans ✗ 1. Tenth schedule

✓ 2. Ninth schedule

✗ 3. Eleventh schedule

✗ 4. Seventh schedule

Question ID : **264330125029**

Status : **Answered**

Chosen Option : **2**

Q.9 The asteroid belt lies between which two planets?

Ans ✗ 1. Jupiter and Saturn

✓ 2. Mars and Jupiter

✗ 3. Saturn and Uranus

✗ 4. Mercury and Venus

Question ID : **264330125022**

Status : **Not Answered**

Chosen Option : **--**

Q.10 Which among the following is not an All India Financial Institution?

Ans ✓ 1. ICICI Bank

✗ 2. National Bank for Agriculture and Rural Development

✗ 3. National Housing Bank

✗ 4. Export - Import Bank of India

Question ID : **264330125616**

Status : **Not Answered**

Chosen Option : **--**

Q.11 Qawwali was brought in India from _____.

Ans ✗ 1. Turkey

✗ 2. Mongolia

✗ 3. Saudi Arabia

✓ 4. Persia

Question ID : **264330124886**

Status : **Not Answered**

Chosen Option : **--**

Q.12 Which country won the FIFA U-20 World Cup 2019?

Ans ✗ 1. Poland

✗ 2. Norway

✓ 3. Ukraine

✗ 4. South Korea

Question ID : **264330125206**
Status : **Not Answered**
Chosen Option : **--**

Q.13 The approximate length of the Great Himalayan range, also known as the central axial range, is _____ km from east to west.

Ans ✗ 1. 2800

✓ 2. 2500

✗ 3. 3000

✗ 4. 2100

Question ID : **264330125623**
Status : **Not Answered**
Chosen Option : **--**

Q.14 What is the name of the mascot for 36th National Games, 2022?

Ans ✗ 1. Chanakya

✗ 2. Kojima

✗ 3. Manikarnika

✓ 4. Savaj

Question ID : **264330125632**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Identify the person from the given statements.
He founded e-commerce giant Amazon in 1994 out of his garage in Seattle. He stepped down as CEO to become executive chairman in July 2021.

Ans ✗ 1. Jack Ma

✗ 2. Steve Jobs

✓ 3. Jeff Bezos

✗ 4. Elon Musk

Question ID : **264330124901**
Status : **Answered**
Chosen Option : **3**

Q.16 Western ghats are locally known as _____ in Maharashtra.

Ans ✓ 1. Sahyadri

✗ 2. Vindhya

✗ 3. Khadar

✗ 4. Gondwana

Question ID : **264330125696**
Status : **Answered**
Chosen Option : **1**

Q.17 If there are N firms in the economy, each assigned with a serial number from 1 to N, then as per the product method, GDP can be written as _____.

Ans
✗ 1. $GVA_1 - GVA_2 ..... - GVA_N$

✗ 2. $NVA_1 + NVA_2 ..... + NVA_N$

✓ 3. $GVA_1 + GVA_2 ..... + GVA_N$

✗ 4. $GVA_1 + NVA_2 + GVA_3 + NVA_4 .....$

Q.18 National Highways Infra Trust (NHAI InvIT) bonds introduced by Union Minister of Transport and Highways in October 2022 will provide a effective yield of _____ percent each year.

Ans
✗ 1. 6.05

✗ 2. 9.05

✗ 3. 7.05

✓ 4. 8.05

Q.19 India won the only bronze medal in which team sports at Tokyo Olympics 2020 held in 2021?

Ans
✗ 1. Table Tennis

✗ 2. Basketball

✓ 3. Field hockey

✗ 4. Badminton

Q.20 What is the average height of inner Himalayas?

Ans
✓ 1. 6000 metres

✗ 2. 4500 metres

✗ 3. 5200 metres

✗ 4. 7100 metres

Q.21 Article 350A of the Indian constitution is related with _____.

Ans
✗ 1. Special officers for linguistic minorities

✓ 2. Facilities for instruction in mother-tongue at primary stage

✗ 3. Direction for development of the Hindi language

✗ 4. Language to be used in Supreme Court and High Courts of India

Q.22 What is the percentage of carbon dioxide in the air exhaled by human lungs?

Ans ✗ 1. 3.2 percent

✗ 2. 5.9 percent

✗ 3. 2.3 percent

✓ 4. 4.4 percent

Question ID : **264330125019**
Status : **Not Answered**
Chosen Option : **--**

Q.23 Which Indian cricketer is also known as Little Master?

Ans ✗ 1. Umesh Yadav

✗ 2. Virat Kohli

✓ 3. Sunil Gavasker

✗ 4. Kapil Dev

Question ID : **264330125701**
Status : **Answered**
Chosen Option : **2**

Q.24 When was Alluri Sitarama Raju arrested ending a two-year armed tribal struggle?

Ans ✓ 1. May 1924

✗ 2. January 1921

✗ 3. April 1919

✗ 4. December 1929

Question ID : **264330125025**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Which Indian festival celebrates the birth anniversary of spiritual leader Padmasambhava, founder of Tibet Tantric Buddhism?

Ans ✗ 1. Bakrid

✗ 2. Losar

✗ 3. Gurpurab

✓ 4. Hemis

Question ID : **264330125386**
Status : **Not Answered**
Chosen Option : **--**