SSC CHSL TIER – I – Shift - 3 - 16-03-2023

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Combined Higher Secondary Level Examination Tier I 2022

Roll Number	
Candidate Name	
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Exam Date	16/03/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2022 Tier I

Section : **English Language**

Q.1 Select the word that is opposite in meaning (ANTONYM) to the word given below
Amalgamate

Ans ✗ 1. Integrate

✗ 2. Combine

✔ 3. Dismantle

✗ 4. Coalesce

Question ID : **264330125903**
Status : **Answered**
Chosen Option : **1**

Q.2 Choose the incorrectly spelt word.

Ans ✔ 1. Trnuk

✗ 2. Blade

✗ 3. Mentor

✗ 4. Dinner

Question ID : **264330124203**
Status : **Answered**
Chosen Option : **1**

Q.3 Choose the word that means the same as the given word.
Nark

Ans ✗ 1. Reassure

✔ 2. Irritate

✗ 3. Solace

✗ 4. Obligation

Question ID : **264330124104**
Status : **Not Answered**
Chosen Option : **--**

Q.4 In the following question, out of the given four alternatives, select the alternative
which best expresses the meaning of the Idiom/Phrase.
Have people rolling in the aisles

Ans ✗ 1. To use false promises to pull people on one's side

✔ 2. Make an audience laugh uncontrollably

✗ 3. To have a dispute with someone

✗ 4. Willing to do something immediately

Question ID : **264330124540**
Status : **Answered**
Chosen Option : **1**

Q.5 Choose the word that can substitute the given group of words.
A religions war

Ans ✗ 1. Inscription

✗ 2. Colonialism

✗ 3. Colloquial

✓ 4. Crusade

Question ID : **264330124076**
Status : **Answered**
Chosen Option : **3**

Q.6 Choose the sentence with no spelling error.

Ans ✗ 1. The cursor must be plased at the strat of the line.

✓ 2. The cursor must be placed at the start of the line.

✗ 3. The cursor must be plased at the start of the line.

✗ 4. The cursur must be placed at the start of the line.

Question ID : **264330124204**
Status : **Answered**
Chosen Option : **2**

Q.7 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
In the flesh

Ans ✗ 1. To be near death

✗ 2. To talk

✓ 3. In bodily form

✗ 4. To get a tattoo

Question ID : **264330124201**
Status : **Answered**
Chosen Option : **1**

Q.8 Rearrange the parts of the sentence in correct order.
P. the shape of an egg has been highly regarded for its evolution
Q. the body in the most efficient way, not roll away once laid, is structurally
R. as large enough to incubate an embryo, small enough to exit
S. sound enough to bear weight and be the beginning of life for so many species

Ans ✓ 1. PRQS

✗ 2. QPRS

✗ 3. PSQR

✗ 4. SPQR

Question ID : **264330124196**
Status : **Answered**
Chosen Option : **1**

Q.9 Select the correct indirect form of the given sentence.
He said, "I will go to Indonesia tomorrow".

Ans ✗ 1. He said that he would go to Indonesia tomorrow.

✓ 2. He said that he would go to Indonesia the next day.

✗ 3. He said that he would be going to Indonesia the next day.

✗ 4. He said he would go to Indonesia by tomorrow.

Question ID : **264330124186**
Status : **Answered**
Chosen Option : **2**

Q.10 Fill in the blank with the most suitable word.
A disconsolate Arjun _____ his way back down the mountain.

Ans ✗ 1. absconds

✗ 2. elopes

✗ 3. deserts

✓ 4. makes

Q.11 Choose the word that can substitute the given group of words.
A slight fault that can be forgiven

Ans ✗ 1. Referral

✗ 2. Libertine

✓ 3. Venial

✗ 4. Libel

Q.12 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
If you doesn't have a doctor, contact your public health authority.

Ans ✗ 1. your public health authority.

✗ 2. a doctor, contact

✗ 3. No error

✓ 4. If you doesn't have

Q.13 Choose the word that means the same as the given word.
Remedy

Ans ✗ 1. Parochial

✗ 2. Tablet

✗ 3. Plagiarism

✓ 4. Panacea

Q.14 Fill in the blank with an appropriate option.
I believe that we are _____ responsible for our choices.

Ans ✗ 1. profusely

✗ 2. durably

✓ 3. solely

✗ 4. ordinarily

Q.15 Select the correct passive form of the given sentence.
She told me to wait here.

Ans ✅ 1. I was told to wait here by her.

❌ 2. I was told to wait there by her.

❌ 3. I was told to waited here by her.

❌ 4. I am told to wait here by her.

Question ID : **264330124523**
Status : **Answered**
Chosen Option : **2**

Q.16 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
The shelf is <u>too highest</u> for me to reach.

Ans ❌ 1. too highly

❌ 2. more higher

❌ 3. No improvement

✅ 4. too high

Question ID : **264330124509**
Status : **Answered**
Chosen Option : **4**

Q.17 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
They weren't <u>allows to take</u> their dog into the store.

Ans ❌ 1. allowed to took

❌ 2. No improvement

❌ 3. allow to take

✅ 4. allowed to take

Question ID : **264330124145**
Status : **Answered**
Chosen Option : **4**

Q.18 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.
The palace was in turmoil because Sikhandi (had return.)

Ans ✅ 1. had returned

❌ 2. No correction required

❌ 3. have turned

❌ 4. was return

Question ID : **264330125979**
Status : **Answered**
Chosen Option : **1**

Q.19 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The Event Horizon Telescope can help scientists analyse the shapes and behaviours of event horizons.

Ans ✗ 1. and behaviours of event horizons.

✓ 2. No error

✗ 3. The Event Horizon Telescope can

✗ 4. help scientists analyse the shapes

Question ID : **264330124526**
Status : **Answered**
Chosen Option : **2**

Q.20 Choose the word that means the same as the given word.

Nascence

Ans ✗ 1. Cessation

✓ 2. Incipience

✗ 3. Omega

✗ 4. Acrimonious

Question ID : **264330124624**
Status : **Not Answered**
Chosen Option : **--**

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.

Today I have a college admission interview with a Yale alum. Yale is Second-Best School, but for once, I put my foot down and (1) _____ to apply to Best School (Harvard). The idea of (2) _____ Charlie's younger brother at another school is a bridge entirely too far. Besides, (3) _____ knows if Harvard would even take me now that Charlie's been suspended. My mom and (4) _____ are in the kitchen. Because of my interview, she's steaming frozen mandu (dumplings) for me as a treat. I am having a pre-mandu appetizer of Cap'n Crunch (the best cereal known to mankind) and (5) _____ in my Moleskine notebook.

SubQuestion No : 21

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

Ans ✓ 1. refused

✗ 2. rejoiced

✗ 3. dwelled

✗ 4. levelled

Question ID : **264330124190**
Status : **Answered**
Chosen Option : **3**

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.

Today I have a college admission interview with a Yale alum. Yale is Second-Best School, but for once, I put my foot down and (1) _____ to apply to Best School (Harvard). The idea of (2) _____ Charlie's younger brother at another school is a bridge entirely too far. Besides, (3) _____ knows if Harvard would even take me now that Charlie's been suspended. My mom and (4) _____ are in the kitchen. Because of my interview, she's steaming frozen mandu (dumplings) for me as a treat. I am having a pre-mandu appetizer of Cap'n Crunch (the best cereal known to mankind) and (5) _____ in my Moleskine notebook.

SubQuestion No : 22

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

Ans ✗ 1. been

✗ 2. having been

✗ 3. be

✓ 4. being

| Question ID : **264330124191** |
| 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.

Today I have a college admission interview with a Yale alum. Yale is Second-Best School, but for once, I put my foot down and (1) _____ to apply to Best School (Harvard). The idea of (2) _____ Charlie's younger brother at another school is a bridge entirely too far. Besides, (3) _____ knows if Harvard would even take me now that Charlie's been suspended. My mom and (4) _____ are in the kitchen. Because of my interview, she's steaming frozen mandu (dumplings) for me as a treat. I am having a pre-mandu appetizer of Cap'n Crunch (the best cereal known to mankind) and (5) _____ in my Moleskine notebook.

SubQuestion No : 23

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

Ans ✗ 1. whose

✗ 2. which

✓ 3. who

✗ 4. whom

| Question ID : **264330124192** |
| Status : **Answered** |
| Chosen Option : **3** |

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.

Today I have a college admission interview with a Yale alum. Yale is Second-Best School, but for once, I put my foot down and (1) _____ to apply to Best School (Harvard). The idea of (2) _____ Charlie's younger brother at another school is a bridge entirely too far. Besides, (3) _____ knows if Harvard would even take me now that Charlie's been suspended. My mom and (4) _____ are in the kitchen. Because of my interview, she's steaming frozen mandu (dumplings) for me as a treat. I am having a pre-mandu appetizer of Cap'n Crunch (the best cereal known to mankind) and (5) _____ in my Moleskine notebook.

SubQuestion No : 24

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

Ans ✗ 1. me

✓ 2. I

✗ 3. am

✗ 4. myself

| Question ID : **264330124193** |
| Status : **Answered** |
| Chosen Option : **2** |

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.

Today I have a college admission interview with a Yale alum. Yale is Second-Best School, but for once, I put my foot down and (1) _____to apply to Best School (Harvard). The idea of (2) _____ Charlie's younger brother at another school is a bridge entirely too far. Besides, (3) _____ knows if Harvard would even take me now that Charlie's been suspended. My mom and (4) _____ are in the kitchen. Because of my interview, she's steaming frozen mandu (dumplings) for me as a treat. I am having a pre-mandu appetizer of Cap'n Crunch (the best cereal known to mankind) and (5) _____ in my Moleskine notebook.

SubQuestion No : 25

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

Ans ✖ 1. sieving

  ✖ 2. visualising

  ✖ 3. reading

  ✔ 4. writing

Question ID : 264330124194
Status : Answered
Chosen Option : 4

Section : **General Intelligence**

Q.1 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
_tk _ tt _ ltt _ lt _ kl _ tk _

Ans ✔ 1. tlkkttl

  ✖ 2. tllkttl

  ✖ 3. tlktttl

  ✖ 4. tlkktll

Question ID : 264330126876
Status : Answered
Chosen Option : 1

Q.2 Three different positions of the same dice are given below. Find the image opposite of triangle.

Ans ✖ 1. Square

  ✖ 2. Line

  ✖ 3. Circle

  ✔ 4. Hexagon

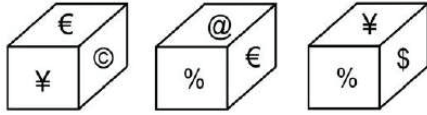Question ID : 264330127432
Status : Answered
Chosen Option : 4

Q.3 If 7 # 3 # 2 = 237 and 8 # 4 # 1 = 148, then 3 # 5 # 4 = ?

Ans ✖ 1. 355

  ✖ 2. 543

  ✔ 3. 453

  ✖ 4. 435

Question ID : 264330126369
Status : Answered
Chosen Option : 3

Q.4 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one having '€'.

Ans
1. © ✗
2. ¥ ✗
3. @ ✗
4. $ ✓

Q.5 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)
(14, 55, 41)
(36, 99, 63)

Ans
1. (76, 153, 67) ✗
2. (128, 949, 821) ✓
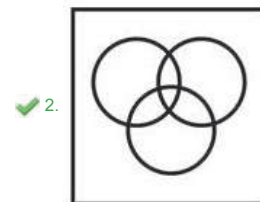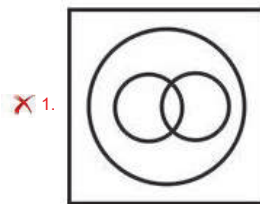3. (28, 120, 82) ✗
4. (34, 107, 43) ✗

Q.6 In a certain code language, 'BLOWER' is coded as 'PDUNJA'. What is the code for 'BLUFFS' in that code language?

Ans
1. QEEJJA ✗
2. QDETJA ✗
3. QDETAJ ✗
4. QEDTJA ✓

Q.7 Select the Venn diagram that best represents the relationship between the following classes.

Parents, Graduates, Cricketers

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
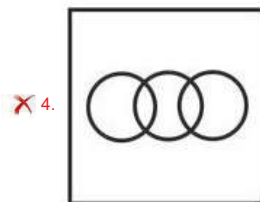
Q.8 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /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)

(6, 12, 24)

(28, 14, 7)

Ans ✗ 1. (32, 14, 1)

✗ 2. (36, 16, 9)

✗ 3. (25, 18, 16)

✔ 4. (25, 10, 4)

Q.9 एक लड़के की तस्वीर की ओर इशारा करते हुए श्रेया ने कहा, "वह उस आदमी का इकलौता बेटा है जो मेरे पिता के इकलौते बेटे के बेटे का पिता है"। वह लड़का श्रेया से कैसे संबंधित है?
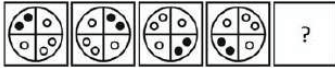
Ans
- ✗ 1. पिता
- ✓ 2. भतीजा
- ✗ 3. दामाद
- ✗ 4. भाई

Q.10 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.
Car : Steering :: Fan : ?

Ans
- ✗ 1. Three
- ✗ 2. Electricity
- ✗ 3. Tyre
- ✓ 4. Blade

Q.11 Select the figure from the given options that can replace the question mark (?)in the following series.


Ans

- ✗ 1.
- ✗ 2.
- ✗ 3.
- ✓ 4.

Q.12 After arranging the given words according to dictionary order, which word will come at 'Fourth' position?
1. Reposed
2. Reporter
3. Represent
4. Repository
5. Repress

Ans

❌ 1. Repress

❌ 2. Repository

❌ 3. Reposed

✅ 4. Represent

Question ID : **264330127196**
Status : **Answered**
Chosen Option : **4**

Q.13 If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?
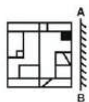
Ans

❌ 1.

❌ 2.

❌ 3.

✅ 4.

Question ID : **264330126987**
Status : **Answered**
Chosen Option : **4**

Q.14 If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?
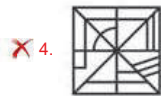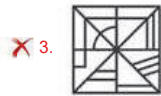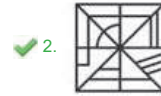

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Q.15 In the following question, select the odd word pair from the given alternatives.

Ans

✔ 1. Fan – Blade

✗ 2. Pedal – Cycle

✗ 3. Room – House

✗ 4. Chapter – Book

Q.16 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. All R are P.
II. All P are J.
Conclusions:
I. All P are R.
II. All J are P.
III. All R are J.

Ans

✗ 1. Only conclusion II follows

✗ 2. Only conclusion I follows

✗ 3. All conclusion follows

✔ 4. Only conclusion III follows

Q.17 In the following question, select the missing number from the given series.
4800, 2400, 1200, 600, 300, ?

Ans
- ✗ 1. 90
- ✗ 2. 75
- ✓ 3. 150
- ✗ 4. 80

> Question ID : **264330126367**
> Status : **Answered**
> Chosen Option : **3**

Q.18 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. 28125 – 3125
- ✗ 2. 11322 – 1258
- ✓ 3. 49374 – 5483
- ✗ 4. 49401 – 5489

> Question ID : **264330127270**
> Status : **Not Answered**
> Chosen Option : **--**

Q.19 In the following question, select the odd letter/letters from the given alternatives.

Ans
- ✗ 1. VWYB
- ✗ 2. LMOR
- ✓ 3. QSVY
- ✗ 4. ABDG

> Question ID : **264330126879**
> Status : **Answered**
> Chosen Option : **3**

Q.20 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.
Track : Race :: Pitch : ?

Ans
- ✗ 1. Wrestling
- ✗ 2. Chess
- ✓ 3. Cricket
- ✗ 4. Exercise

> Question ID : **264330126950**
> Status : **Answered**
> Chosen Option : **3**

Q.21 In a certain code language, 'BACK' is coded as '2325215', 'CAME' is coded as '2125117'. What is the code for 'GBJH' in that code language?

Ans ✗ 1. 1332711

✓ 2. 1323711

✗ 3. 1323771

✗ 4. 1323111

Question ID : **264330126873**

Status : **Not Answered**

Chosen Option : **--**

Q.22 How many maximum triangles are there in the given figure?
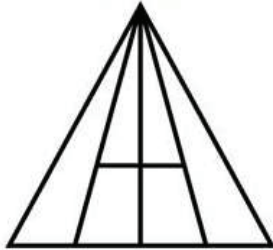
Ans ✗ 1. 8

✓ 2. 13

✗ 3. 15

✗ 4. 21

Question ID : **264330127609**

Status : **Answered**

Chosen Option : **3**

Q.23 What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and also '-' and '÷' are interchanged?
20 ÷ 5 × 10 - 5 + 2 =?

Ans ✗ 1. 4

✓ 2. 19

✗ 3. 12

✗ 4. 2

Question ID : **264330127365**

Status : **Answered**

Chosen Option : **2**

Q.24 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.
Turtle : Reptile :: ?

Ans ✗ 1. Snake : Rodent

✗ 2. Mammal : Man

✓ 3. Lizard : Reptile

✗ 4. Mammal : Frog

Question ID : **264330127278**

Status : **Answered**

Chosen Option : **3**

Q.25 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.

9 : 30 : : 11 : 36 : : 13 : ?

Ans ✅ 1. 42

❌ 2. 45

❌ 3. 48

❌ 4. 39

Question ID : **264330127591**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 If the 4-digit number 48ab is divisible by 2, 5 and 7, then what is the value of (10a - b)?
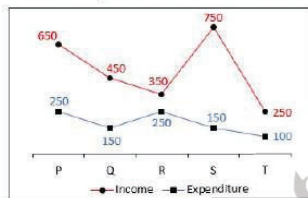
Ans ❌ 1. 0

❌ 2. 20

❌ 3. 10

✅ 4. 30

Question ID : **264330128380**
Status : **Answered**
Chosen Option : **4**

Q.2 The line chart given below shows the income and expenditure of a company in five years.

The income in year P and Q together is how much percent more than the expenditure in year S and T together?

Ans ❌ 1. 220 percent

❌ 2. 380 percent

❌ 3. 29 percent

✅ 4. 340 percent

Question ID : **264330127960**
Status : **Answered**
Chosen Option : **4**

Q.3 If the volume of a cube is 1728 cm^3, then what is the total surface area of the cube?

Ans ❌ 1. 804 cm^2

❌ 2. 729 cm^2

✅ 3. 864 cm^2

❌ 4. 926 cm^2

Question ID : **264330127866**
Status : **Answered**
Chosen Option : **3**

Q.4 Angle subtended by a chord PQ on the centre of a circle is 180 degree. If length of chord PQ is 54 cm, then what will be the diameter of this circle?

Ans ✔ 1. 54 cm

✘ 2. 81 cm

✘ 3. 27 cm

✘ 4. 64 cm

Question ID : **264330126491**
Status : **Answered**
Chosen Option : **1**

Q.5 A person borrowed Rs. 8000 on compound interest at the rate of 20 percent per annum. If the interest is compounded half yearly, then what will be the amount to be paid after 1.5 years?

Ans ✔ 1. Rs. 10648

✘ 2. Rs. 11488

✘ 3. Rs. 10825

✘ 4. Rs. 9865

Question ID : **264330128197**
Status : **Answered**
Chosen Option : **1**

Q.6 The following pie-chart shows percentage wise distribution of teachers of six different subjects in a school.
Total number of teachers = 1800
The ratio of the number of teachers in Hindi to the number of teachers in English and Mathematics together is:

Distribution of teachers
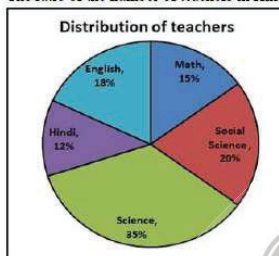
Ans ✘ 1. 5 : 3

✔ 2. 4 : 11

✘ 3. 12 : 11

✘ 4. 15 : 11

Question ID : **264330128612**
Status : **Answered**
Chosen Option : **2**

Q.7 Find the single equivalent discount of 10% and 20%.

Ans ✘ 1. 26%

✔ 2. 28%

✘ 3. 30%

✘ 4. 32%

Question ID : **264330128593**
Status : **Answered**
Chosen Option : **2**

Q.8 Distance of a chord OP from the centre of a circle is 6 cm. If diameter of this circle is 20 cm, then what will be the sum of radius and length of chord OP?

Ans
✖ 1. 18 cm

✔ 2. 26 cm

✖ 3. 16 cm

✖ 4. 20 cm

Question ID : **264330128173**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Two numbers are in the ratio 9 : 16. If both numbers are increased by 40, then their ratio becomes 2 : 3. What is the difference between the two numbers?

Ans
✖ 1. 64

✖ 2. 60

✖ 3. 48

✔ 4. 56

Question ID : **264330127871**
Status : **Answered**
Chosen Option : **4**

Q.10 The graph shows the production of wheat (in lakh tons) by states M, N, and O in four consecutive years. Find the year which has the minimum production of wheat.
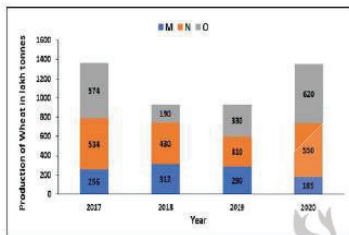
Ans
✖ 1. 2018

✖ 2. 2020

✔ 3. 2019

✖ 4. 2017

Question ID : **264330128660**
Status : **Answered**
Chosen Option : **3**

Q.11 The ratio of three numbers is 6 : 5 : 9. If 20 percent of the first number is 30, then what would be 50 percent of the difference of third and second number?

Ans
✖ 1. 40

✔ 2. 50

✖ 3. 30

✖ 4. 45

Question ID : **264330127869**
Status : **Answered**
Chosen Option : **2**

Q.12 If $\cos X = \frac{5}{13}$, then what is the value of $\tan X + \cot X$?

Ans

✗ 1. $\frac{60}{169}$

✗ 2. $\frac{109}{169}$

✓ 3. $\frac{169}{60}$

✗ 4. $\frac{169}{109}$

Q.13 8 men or 10 boys can complete a work in 174 days. 12 men and 14 boys will complete the same work in how many days?

Ans

✓ 1. 60 days

✗ 2. 50 days

✗ 3. 72 days

✗ 4. 84 days

Q.14 Average age of a team having 12 players is 24 years. If the age of the coach is also included, then the average age increases by 2 years. What is the age of the coach?

Ans

✗ 1. 53 years

✗ 2. 57 years

✓ 3. 50 years

✗ 4. 52 years

Q.15 If $A + \frac{1}{A} = -1$, then find the value of $\frac{A^6 + A^3 - 1}{A^9 + A^3 - 1}$.

Ans

✗ 1. 0

✗ 2. -1

✗ 3. 2

✓ 4. 1

Q.16 If $(x + 1)^2 + (x + 2)^2 = 16$, then what is the value of $4x^2 + 12x + 40$?

Ans ✗ 1. 52

✓ 2. 62

✗ 3. 56

✗ 4. 74

Q.17 A train of length 360 metres crosses an electric pole in 30 seconds and crosses another train of the same length travelling in opposite direction in 15 seconds. What is the speed of the second train?

Ans ✗ 1. 12 m/s

✓ 2. 36 m/s

✗ 3. 24 m/s

✗ 4. 60 m/s

Q.18 Anil sold an article at a loss of 15%. Had he sold it for Rs.84 more, he would have gained 13%. At what price should he have sold it to gain 20% ?

Ans ✓ 1. Rs.360

✗ 2. Rs.375

✗ 3. Rs.350

✗ 4. Rs.300

Q.19 Two medians DM and EN of ΔDEF intersect each other at G at right angles. If EF = 20 cm and EN = 12 cm, then what is the length of DM?

Ans ✗ 1. 20 cm

✗ 2. 12 cm

✓ 3. 18 cm

✗ 4. 15 cm
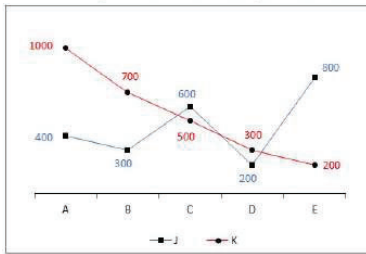
Q.20 Find the value of tan x, if sec x + tan x = $\sqrt{3}$ and x lies between 0° and 90°.

Ans ✗ 1. $\sqrt{3}$

✗ 2. 1

✓ 3. $1/\sqrt{3}$

✗ 4. 0

Q.21 The line chart given below shows the expenditure of two companies J and K in five different years.

L1 = The difference between average expenditure of company J in year A and B and the average expenditure of company K in year C and D.

L2 = The value of average expenditure of company K in all 5 years.

What is the value of (L2 – L1)?

Ans ✔ 1. 490

✘ 2. 540

✘ 3. 350

✘ 4. 420

Q.22 In a company average age of female employees is 24 years. Average age of all the employees is 32 years. If number of male and female is same, then what will be the average age of male employees?

Ans ✔ 1. 40 years

✘ 2. 42 years

✘ 3. 48 years

✘ 4. 38 years

Q.23 ΔABC is a right angled triangle. ∠B = 90 degree, AB = 12 cm, BC = 5 cm. What is the value of cos A + sin C?

Ans ✔ 1. 24/13

✘ 2. 25/13

✘ 3. 10/13

✘ 4. 12/13

Q.24 What is the value of $\dfrac{15 \div 5 \times 3 - 12 \times 12 \div 6 + 15 \div 5 \times 6}{18 \div 3 \times 5 - 12 \div 6 \times 5 + 18 \div 9 \times 5}$?

Ans   ✗ 1. 1/20

   ✗ 2. 1/5

   ✗ 3. 1/15

   ✓ 4. 1/10

Question ID : **264330127881**
Status : **Answered**
Chosen Option : **4**

Q.25 PX is a tangent drawn from point X, touches the circle at P. O is the centre of the circle. Radius of this circle is 10 cm and OX = 26 cm. What is the length of PX ?

Ans   ✗ 1. 24.5 cm

   ✓ 2. 24 cm

   ✗ 3. 23.5 cm

   ✗ 4. 25 cm

Question ID : **264330127874**
Status : **Not Answered**
Chosen Option : **--**

Section : **General awareness**

Q.1 Pandit Ram Narayan is a Hindustani Classical musician who plays _____.

Ans   ✗ 1. Flute

   ✗ 2. Harmonium

   ✓ 3. Sarangi

   ✗ 4. Tabla

Question ID : **264330124861**
Status : **Not Answered**
Chosen Option : **--**

Q.2 In which year was Battle of Peshawar fought between Raja Jayapal and Mahmud Ghazni?

Ans   ✓ 1. 1001

   ✗ 2. 1112

   ✗ 3. 1305

   ✗ 4. 1258

Question ID : **264330125700**
Status : **Answered**
Chosen Option : **1**

Q.3 Union Home Minister Amit Shah unveiled 14 feet high statue of Lok Nayak Jayprakash Narayan in _____ in October 2022.

Ans   ✓ 1. Bihar

   ✗ 2. Jharkhand

   ✗ 3. West Bengal

   ✗ 4. Maharashtra

Question ID : **264330125537**
Status : **Answered**
Chosen Option : **1**

Q.4 Dhupgarh peak is the highest point of which of the following States of India?

Ans
- ✗ 1. Chhattisgarh
- ✗ 2. Jharkhand
- ✗ 3. Uttar Pradesh
- ✓ 4. Madhya Pradesh

Question ID : **264330125545**
Status : **Answered**
Chosen Option : **4**

Q.5 Which of the following statements is correct?
I. Death rate in India is 7.2 per 1000 in 2011.
II. Life expectancy at birth is 72.6 years in 2012.

Ans
- ✗ 1. Only II
- ✗ 2. Both I and II
- ✗ 3. Neither I nor II
- ✓ 4. Only I

Question ID : **264330125298**
Status : **Answered**
Chosen Option : **4**

Q.6 In which month, Hiroshima Day is observed across the world?

Ans
- ✗ 1. October
- ✓ 2. August
- ✗ 3. January
- ✗ 4. July

Question ID : **264330125288**
Status : **Answered**
Chosen Option : **2**

Q.7 The monetary policy instrument called 'bank rate' is aligned to _____.

Ans
- ✗ 1. Liquidity adjustment facility
- ✗ 2. Cash Reserve ratio
- ✗ 3. Discount rate
- ✓ 4. Marginal standing facility rate

Question ID : **264330124965**
Status : **Answered**
Chosen Option : **1**

Q.8 ISRO successfully launched the communication satellite GSAT-24 from _____.

Ans
- ✗ 1. Moscow in Russia
- ✗ 2. Chicago in US
- ✗ 3. Berlin in Germany
- ✓ 4. Kourou in French Guiana

Question ID : **264330125289**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Which of the following is correct regarding the respiration?
I. Regular traditional breathing exercise (pranayama) can increase the capacity of lungs to take in more air.
II. During inhalation, ribs move up and outwards and diaphragm moves down.

Ans ✔ 1. Both I and II

✘ 2. Only II

✘ 3. Neither I nor II

✘ 4. Only I

Question ID : **264330124969**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which of the following shortcut key is used to make the contents of a cell italic in MS-Excel 365?

Ans ✘ 1. Ctrl + 4

✔ 2. Ctrl + 3

✘ 3. Ctrl + 6

✘ 4. Ctrl + 2

Question ID : **264330124959**
Status : **Not Answered**
Chosen Option : **--**

Q.11 What are hardware devices that retrieves data from a computer system and further translates the received data into a form understandable to humans?

Ans ✘ 1. Processor

✘ 2. Input Devices

✘ 3. Storage Devices

✔ 4. Output Devices

Question ID : **264330125683**
Status : **Answered**
Chosen Option : **2**

Q.12 Who of the following person wrote a book named Kitab-ul-Hind?

Ans ✘ 1. Zuhayr ibn Abi Sulma

✘ 2. Antara Ibn Shaddad

✔ 3. Al-Biruni

✘ 4. Imru' al-Qais

Question ID : **264330124974**
Status : **Answered**
Chosen Option : **3**

Q.13 _____ percent can be taken as the average value for the amount of organic matter that is present at each step of food chain and reaches the next level of consumers.

Ans ✘ 1. 5

✘ 2. 20

✔ 3. 10

✘ 4. 2

Question ID : **264330124967**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Which amendment in the Indian constitution is related to extension of jurisdiction of High Courts to Union territories?

Ans ✗ 1. 9th Amendment

✓ 2. 7th Amendment

✗ 3. 1st Amendment

✗ 4. 13th Amendment

Question ID : **264330125703**
Status : **Answered**
Chosen Option : **4**

Q.15 Which of the following sports was NOT played at Tokyo Olympics 2020 held in 2021?

Ans ✗ 1. Table Tennis

✗ 2. Fencing

✓ 3. Mallakhamba

✗ 4. Volleyball

Question ID : **264330125307**
Status : **Answered**
Chosen Option : **3**

Q.16 Bharatanatyam is a classical dance of _____ in southern India.

Ans ✓ 1. Tamil Nadu

✗ 2. Kerala

✗ 3. Karnataka

✗ 4. Andhra Pradesh

Question ID : **264330130246**
Status : **Answered**
Chosen Option : **1**

Q.17 "सोवा वायरस" (SOVA Virus) जिसे हाल ही में ख़बरों में देखा गया है, एक _____ है।

Ans ✓ 1. मालवेयर

✗ 2. कोविड-19 का प्रकार

✗ 3. मंकी वायरस का प्रकार

✗ 4. मवेशी में पाया जाने वाला वायरस

Question ID : **264330125237**
Status : **Not Answered**
Chosen Option : **--**

Q.18 What is the official language of Bhutan, a neighbouring country of India?

Ans ✗ 1. Yuan

✓ 2. Dzongkha

✗ 3. Ngultrum

✗ 4. Kyat

Question ID : **264330125697**
Status : **Answered**
Chosen Option : **2**

Q.19 Which of the following Constitution Amendment Act made the Right to education a Fundamental Right under article 21 A of the Indian constitution?

Ans ✗ 1. 91st Amendment Act, 2003

✓ 2. 86th Amendment Act, 2002

✗ 3. 89th Amendment Act, 2003

✗ 4. 19th Amendment Act, 1966

Question ID : **264330124979**
Status : **Answered**
Chosen Option : **2**

Q.20 Which country will host the 2024 Summer Olympic Games?

Ans ✗ 1. Germany

✗ 2. Switzerland

✗ 3. England

✓ 4. France

Question ID : **264330125055**
Status : **Answered**
Chosen Option : **4**

Q.21 Which state hosted the 36th National Games in the year 2022?

Ans ✓ 1. Gujarat

✗ 2. Madhya Pradesh

✗ 3. Goa

✗ 4. Maharashtra

Question ID : **264330125381**
Status : **Answered**
Chosen Option : **1**

Q.22 The first woman to win the Dronacharya Award was weightlifting coach _____ in 2000.

Ans ✗ 1. Sunita Sharma

✗ 2. Renu Kohli

✗ 3. Purnima Mahato

✓ 4. Hansa Sharma

Question ID : **264330125302**
Status : **Not Answered**
Chosen Option : **--**

Q.23 When lead nitrate is heated, then which of the following gases is produced?

Ans ✗ 1. Nitrogen oxide

✗ 2. Lead dioxide

✓ 3. Nitrogen dioxide

✗ 4. Lead oxide

Question ID : **264330125293**
Status : **Not Answered**
Chosen Option : **--**

Q.24 The simultaneous shifts of both the demand curve and the supply curve can happen in which of the following ways?
I. Supply curve shifts leftward and demand curve shifts rightward.
II. Both supply and demand curves shift leftwards.
III. Supply curve shifts rightward and demand curve shifts leftward.

Ans ✗ 1. Only I

✗ 2. II and III

✗ 3. I and II

✓ 4. I, II and III

Question ID : **264330125291**
Status : **Not Answered**
Chosen Option : **--**

Q.25 The Earth has been divided into many time zones. How many degrees does each time zone covers?

Ans ✗ 1. 24 degrees

✗ 2. 20 degrees

✓ 3. 15 degrees

✗ 4. 10 degrees

Question ID : **264330125245**
Status : **Not Answered**
Chosen Option : **--**