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| Exam Date | 13/03/2023 |
| Exam Time | 2:30 PM - 3:30 PM |
| Subject | CHSL Exam 2022 Tier I |

Section : **English Language**

**Q.1** **Some parts of a sentence have been jumbled up, and labelled P, Q, R and S. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.**
**Many psychological, neurological**
**P. and different thinking skills that make them leaders rather than followers**
**Q. studies generally indicate that leaders truly are born with different personality traits**
**R. to discover if leadership truly can be a learned trait, and**
**S. and sociological tests have been conducted by scientists**

**Ans**  ✗ 1. SQRP

✗ 2. PQSR

✓ 3. SRQP

✗ 4. QPSR

Question ID : **264330124741**
Status : **Answered**
Chosen Option : **3**

**Q.2** **Some parts of one or more sentences have been jumbled up, and labelled A, B, C and D. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence.**
**They walked down the hall of**
**A. rocked them to sleep and played songs for them**
**B. had cost them seventy-five**
**C. thousand rupees. This house clothed and fed them**
**D. their soundproofed home, which**

**Ans**  ✗ 1. CBAD

✓ 2. DBCA

✗ 3. ACBD

✗ 4. BADC

Question ID : **264330125744**
Status : **Answered**
Chosen Option : **2**

**Q.3** **Rearrange the parts of the sentence in correct order.**
**The study led**
**P. collaborators from Bristol, Cambridge and Germany**
**Q. by scientists at the University of Bath and including**
**R. used fossils and analysed genetic differences between**
**S. modern snakes to reconstruct snake evolution**

**Ans**  ✓ 1. QPRS

✗ 2. PRQS

✗ 3. SPQR

✗ 4. QSRP

Question ID : **264330124273**
Status : **Answered**
Chosen Option : **4**

**Q.4** Choose the word that is opposite in meaning to the given word.
**Obfuscate**

**Ans** ✔ 1. Clarify

✘ 2. Bid

✘ 3. Mend

✘ 4. Languish

Question ID : **264330124408**
Status : **Answered**
Chosen Option : **1**

**Q.5** Select the most appropriate meaning of the given idiom.
**Wear your heart on your sleeve**

**Ans** ✔ 1. To openly display one's emotions.

✘ 2. To suspect a trick

✘ 3. To understand

✘ 4. To go through a heart break

Question ID : **264330125958**
Status : **Answered**
Chosen Option : **1**

**Q.6** Choose the correctly spelt word.

**Ans** ✔ 1. DODGE

✘ 2. BRILIANT

✘ 3. SIEZE

✘ 4. RECEPROCATE

Question ID : **264330125752**
Status : **Answered**
Chosen Option : **2**

**Q.7** Select the most appropriate one-word substitution for the given group of words.
**Feeling or expressing overwhelming happiness or joyful excitement.**

**Ans** ✘ 1. Escalate

✔ 2. Ecstatic

✘ 3. Intricate

✘ 4. Scintillating

Question ID : **264330124725**
Status : **Answered**
Chosen Option : **1**

**Q.8** The given sentence is in active voice. Change the voice of the sentence. Select the correct option from the sentences given in options.
**Pranav painted his house.**

**Ans** ✘ 1. The house was painted by Pranav.

✔ 2. Pranav's house was painted by him.

✘ 3. Painting of the house was done by Pranav.

✘ 4. House painting was done by Pranav.

Question ID : **264330125941**
Status : **Answered**
Chosen Option : **2**

**Q.9** Choose the word that is opposite in meaning to the given word.
**Brittle**

**Ans** ✗ 1. Debilitated

✗ 2. Frail

✓ 3. Robust

✗ 4. Decrepit

**Q.10** 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'.
**You care for him / even more than for myself, / he cried bitterly.**

**Ans** ✗ 1. No error

✗ 2. he cried bitterly.

✓ 3. even more than for myself,

✗ 4. You care for him

**Q.11** Fill in the blank with an appropriate option.
**How can seawater from the oceans be _____ fresh water that is suitable for people to drink?**

**Ans** ✗ 1. change about

✗ 2. surrender in

✗ 3. minced on

✓ 4. turned into

**Q.12** Select the most appropriate antonym of the given word.
**OPAQUE**

**Ans** ✓ 1. PELLUCID

✗ 2. PARAGON

✗ 3. GLORIFY

✗ 4. DARK

**Q.13** Choose the word that can substitute the given sentence.
**The art of identifying a disease from its signs and symptoms**

**Ans** ✗ 1. Biopsy

✓ 2. Diagnosis

✗ 3. Prognosis

✗ 4. Autopsy

**Q.14** Select the most appropriate meaning of the given idiom.
Sea change

**Ans** ✗ 1. To pursue

✓ 2. Major transformation

✗ 3. Jealousy

✗ 4. Hatred

Question ID : **264330125749**
Status : **Answered**
Chosen Option : **2**

**Q.15** Choose the option that is the correct direct form of the sentence.
He said that he had taken French lessons on Duolingo.

**Ans** ✓ 1. He said, "I have taken French lessons on Duolingo."

✗ 2. He said, "You took French lessons on Duolingo. "

✗ 3. He says, "He has taken French lessons on Duolingo."

✗ 4. He said, "I take French lessons on Duolingo."

Question ID : **264330125734**
Status : **Answered**
Chosen Option : **1**

**Q.16** Choose the incorrectly spelt word.

**Ans** ✗ 1. EMINENT

✗ 2. SPLENDID

✓ 3. INDEPENDANT

✗ 4. HUMOROUS

Question ID : **264330125751**
Status : **Answered**
Chosen Option : **3**

**Q.17** Select the word that is closest in meaning (SYNONYM) to the word given below.
SIMPLE

**Ans** ✗ 1. DECORATED

✗ 2. COMPLEX

✗ 3. EMBELLISHED

✓ 4. ELEMENTARY

Question ID : **264330125755**
Status : **Answered**
Chosen Option : **4**

**Q.18** 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'.
Once I run in / the Sonoran Desert in Arizona / after a huge rain event.

**Ans** ✓ 1. Once I run in

✗ 2. the Sonoran Desert in Arizona

✗ 3. No error

✗ 4. after a huge rain event.

Question ID : **264330125735**
Status : **Not Answered**
Chosen Option : **--**

**Q.19** Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

She **hang up** the clothes in the closet.

**Ans**
✗ 1. have hung up

✔ 2. hung up

✗ 3. had hang up

✗ 4. No improvement

**Q.20** 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 guests (has just arrived).

**Ans**
✔ 1. have just arrived

✗ 2. No correction required

✗ 3. arrives now

✗ 4. just arrives

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Anders couldn't get to the bank until just before it closed, so of course the (1) _____ was endless and he got (2) _____ behind two women whose loud, stupid conversation put him in a murderous (3) _____ . He was never in the best of tempers (4) _____ . Anders - a book critic known for the weary, elegant savagery with which he (5) _____ almost everything he reviewed.

**SubQuestion No : 21**

**Q.21** Select the most appropriate option to fill in the blank No. 1.

**Ans**
✔ 1. queue

✗ 2. progression

✗ 3. passage

✗ 4. chain

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.
Anders couldn't get to the bank until just before it closed, so of course the (1) _____ was endless and he got (2) _____ behind two women whose loud, stupid conversation put him in a murderous (3) _____ . He was never in the best of tempers (4) _____ . Anders - a book critic known for the weary, elegant savagery with which he (5) _____ almost everything he reviewed.

**SubQuestion No : 22**

**Q.22 Select the most appropriate option to fill in the blank No. 2.**

Ans ✅ 1. stuck

❌ 2. struck

❌ 3. stamped

❌ 4. fastened

Question ID : **264330125739**
Status : **Answered**
Chosen Option : **2**

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**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.
Anders couldn't get to the bank until just before it closed, so of course the (1) _____ was endless and he got (2) _____ behind two women whose loud, stupid conversation put him in a murderous (3) _____ . He was never in the best of tempers (4) _____ . Anders - a book critic known for the weary, elegant savagery with which he (5) _____ almost everything he reviewed.

**SubQuestion No : 23**

**Q.23 Select the most appropriate option to fill in the blank No. 3.**

Ans ❌ 1. wrath

❌ 2. quality

❌ 3. temperament

✅ 4. temper

Question ID : **264330125740**
Status : **Not Answered**
Chosen Option : **--**

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**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.
Anders couldn't get to the bank until just before it closed, so of course the (1) _____ was endless and he got (2) _____ behind two women whose loud, stupid conversation put him in a murderous (3) _____ . He was never in the best of tempers (4) _____ . Anders - a book critic known for the weary, elegant savagery with which he (5) _____ almost everything he reviewed.

**SubQuestion No : 24**

**Q.24 Select the most appropriate option to fill in the blank No. 4.**

Ans ❌ 1. somewhat

❌ 2. always

❌ 3. whenever

✅ 4. anyway

Question ID : **264330125741**
Status : **Answered**
Chosen Option : **3**

**Comprehension:**

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.
Anders couldn't get to the bank until just before it closed, so of course the (1) _____ was endless and he got (2) _____ behind two women whose loud, stupid conversation put him in a murderous (3) _____ . He was never in the best of tempers (4) _____ . Anders - a book critic known for the weary, elegant savagery with which he (5) _____ almost everything he reviewed.

**SubQuestion No : 25**

**Q.25 Select the most appropriate option to fill in the blank No. 5.**

Ans  ✗ 1. transferred

✗ 2. incorporated

✗ 3. conditioned

✓ 4. dispatched

Question ID : **264330125742**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Intelligence**

**Q.1 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)**
**(24, 12, 4)**
**(35, 5, 14)**

Ans  ✗ 1. (28, 8, 6)

✗ 2. (42, 6, 22)

✗ 3. (56, 8, 16)

✓ 4. (36, 4, 18)

Question ID : **264330127443**
Status : **Answered**
Chosen Option : **4**

**Q.2 Select the option that is related to the third term on the same basis as the second term is related to the first term.**
**Electric current : Ampere :: Thermodynamic Temperature : ?**

Ans  ✗ 1. Mole

✓ 2. Kelvin

✗ 3. Pascal

✗ 4. Candela

Question ID : **264330127575**
Status : **Answered**
Chosen Option : **2**

**Q.3 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.**
**_vu_uvuw_vu_**

Ans  ✓ 1. uwuw

✗ 2. uvuw

✗ 3. wwww

✗ 4. vvuu

Question ID : **264330127451**
Status : **Answered**
Chosen Option : **1**

**Q.4** Out of the given letter clusters, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.
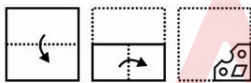
**Ans** ✗ 1. EIO

✗ 2. IOU

✔ 3. EID

✗ 4. AEI

**Q.5** A cube is made by folding the given sheet. In the cube so formed, which letter will be on the face opposite to the face showing 'B'?
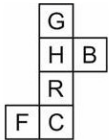


**Ans** ✔ 1. F

✗ 2. G

✗ 3. C

✗ 4. R

**Q.6** A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?



**Ans** ✗ 1.



✗ 2.



✗ 3.



✔ 4.

**Q.7** In a certain code language, 'DRAMA' is written as '32'and 'PLAY' is written as '50'. How will 'THEATRE' be written in that language?

**Ans** ✗ 1. 72

     ✗ 2. 77

     ✓ 3. 70

     ✗ 4. 82

**Q.8** By interchanging which two signs the given equation will be correct?
$12 \div 16 - 8 + 14 \times 2 = 38$

**Ans** ✓ 1. – and ÷

     ✗ 2. × and ÷

     ✗ 3. ÷ and +

     ✗ 4. + and ×

**Q.9** In the following question, select the missing number from the given series.
**46, 51, 76, 201, 826, ?**

**Ans** ✗ 1. 3757

     ✓ 2. 3951

     ✗ 3. 4853

     ✗ 4. 3631

**Q.10** In a certain code language, 'STADIUM' is coded as 'TSADIMU'. What is the code for the word 'CRICKET' in that language?

**Ans** ✗ 1. RCICKET

     ✓ 2. RCICKTE

     ✗ 3. RCIKCTE

     ✗ 4. RCIKCET

**Q.11** Pointing towards a picture, Ram said, "The woman in the picture is the wife of the only son of the mother of my father's sister". How is the woman related to Ram?

**Ans** ✗ 1. Wife

     ✓ 2. Mother

     ✗ 3. Sister

     ✗ 4. Daughter

**Q.12** How many triangles are there in the given figure?
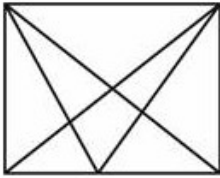


**Ans**
  ✗ 1. 21

  ✔ 2. 23

  ✗ 3. 20

  ✗ 4. 22

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**Q.13** Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

**Ans**
  ✗ 1. Laptop

  ✔ 2. File

  ✗ 3. Refrigerator

  ✗ 4. Television

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**Q.14** Select the option in which the numbers share 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)
**(57, 100, 314)**
**(69, 80, 298)**

**Ans**
  ✗ 1. (72, 111, 356)

  ✔ 2. (83, 120, 406)

  ✗ 3. (34, 107, 141)

  ✗ 4. (41, 108, 288)

**Q.15** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement I: Ibrahim is taller than Rakesh who is taller than Shyam.
Statement II: Shyam is shorter than David.

Conclusion I: Ibrahim is taller than Shyam.
Conclusion II: David is taller than Ibrahim.

**Ans** ✔ 1. Only I follows

✘ 2. Neither I nor II follows

✘ 3. Only II follows

✘ 4. Both I and II follows

**Q.16** 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.
Stable : Horse :: Hangar : ?

**Ans** ✘ 1. Animals

✔ 2. Aeroplane

✘ 3. Fish

✘ 4. Grains

**Q.17** A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?



**Ans**

✘ 1. 

✘ 2. 

✔ 3. 

✘ 4.
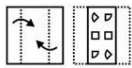
**Q.18** In the following question, select the related letters from the given alternatives.
BCO : OBC :: MPK : ?

**Ans** ✗ 1. PMK

✗ 2. PKM

✔ 3. KMP

✗ 4. LMM

**Q.19** Select the option that is related to the third number in the same way as the first
number is related to the second number and fifth number is related to sixth number.
**56 : 30 :: 88 :? :: 39 : 27**
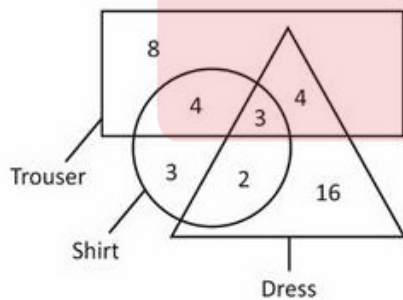
**Ans** ✔ 1. 64

✗ 2. 48

✗ 3. 60

✗ 4. 52

**Q.20** If 14 A 7 B 3 = 5 and 16 A 4 B 3 = 7, then 39 A 3 B 17 = ?

**Ans** ✗ 1. 28

✔ 2. 30

✗ 3. 34

✗ 4. 22

**Q.21** How many dresses are trousers?



**Ans** ✗ 1. 5

✔ 2. 7

✗ 3. 4

✗ 4. 3

**Q.22** The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?
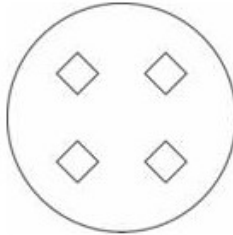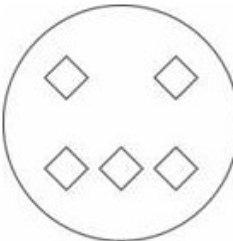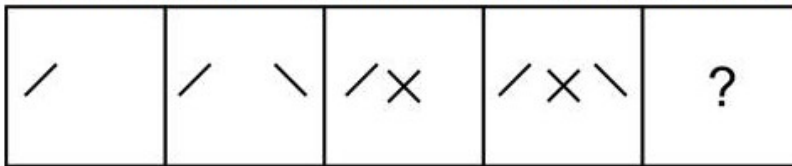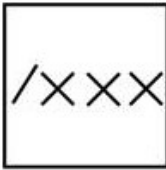


**Ans**

✗ 1.



✔ 2.



✗ 3.



✗ 4.
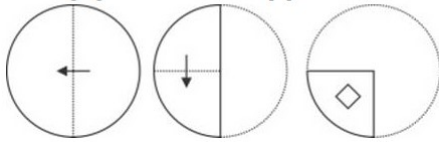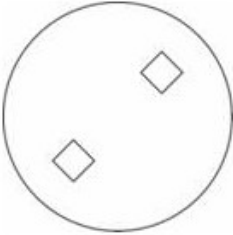
**Q.23** Select the figure that will come next in the following figure series.



**Ans**


✗ 1.


✗ 2.


✗ 3.
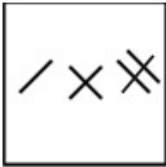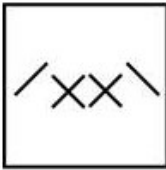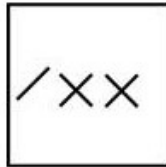

✔ 4.

**Q.24** Select the correct alternative to indicate the arrangement of the following terms in a logical and meaningful order in terms of area(km$^2$).
1. Atlantic Ocean
2. Pacific Ocean
3. Southern Ocean
4. Arctic Ocean
5. Indian Ocean

**Ans**  ✗ 1. 4, 3, 5, 2, 1

✗ 2. 4, 3, 1, 2, 5

✗ 3. 4, 1, 3, 2, 5

✔ 4. 4, 3, 5, 1, 2

**Q.25** 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)
(510, 727, 1329)
(1726, 2195, 3373)

**Ans** ✗ 1. (127, 1002, 342)

✗ 2. (1730, 2197, 62)

✗ 3. (23, 215, 123)

✔ 4. (1726, 998, 341)

Section : **Quantitative Aptitude**

**Q.1** The line chart given below shows the sales of two companies J and K in 5 years.
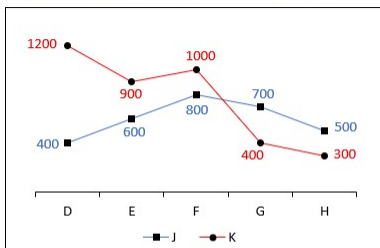


P1 = The difference between the average sales of J in years D and E and the average sales of K in years G and H

P2 = The value of average sales of K in all years.

What is the value of (P2 – P1)?

**Ans** ✗ 1. 520

✗ 2. 760

✗ 3. 670

✔ 4. 610

**Q.2** The length, width and height of a cuboidal box are 18 cm, 12 cm and 10 cm, respectively. What is the total surface area of the box?

**Ans** ✗ 1. 1000 cm²

✗ 2. 1048 cm²

✔ 3. 1032 cm²

✗ 4. 1120 cm²

**Q.3** The speed of a train including stoppages is 75 kmph and excluding stoppages, the speed of the train is 90 kmph. For how many minutes does the train stop per hour?

**Ans**
✔ 1. 10 minutes
✘ 2. 15 minutes
✘ 3. 20 minutes
✘ 4. 11 minutes

Question ID : **264330128440**
Status : **Answered**
Chosen Option : **1**

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**Q.4** In ΔPQR, ∠P = 46° and ∠R = 64°. If ΔPQR is similar to ΔABC and in correspondence, then what is the value of ∠B?

**Ans**
✔ 1. 70°
✘ 2. 90°
✘ 3. 100°
✘ 4. 110°

Question ID : **264330128451**
Status : **Answered**
Chosen Option : **1**

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**Q.5** The length of the base of a triangle is 10 cm and its altitude from the same base is 8 cm. What is the area of the triangle?

**Ans**
✘ 1. 30 cm²
✔ 2. 40 cm²
✘ 3. 50 cm²
✘ 4. 80 cm²

Question ID : **264330128450**
Status : **Answered**
Chosen Option : **2**

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**Q.6** The following bar graph shows the sales of tractors by a showroom in different months. What was the approximate percentage decline from August to September ?
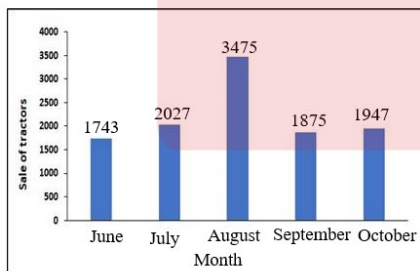


**Ans**
✘ 1. 33%
✘ 2. 51%
✔ 3. 46%
✘ 4. 55%

Question ID : **264330128663**
Status : **Answered**
Chosen Option : **3**

**Q.7** What is the expansion of $(a-4)^3$ ?

Ans ✗ 1. $a^3 - 12a^2 + 48a + 64$

✗ 2. $a^3 + 12a^2 + 48a + 64$

✓ 3. $a^3 - 12a^2 + 48a - 64$

✗ 4. $a^3 + 12a^2 + 48a - 64$

Question ID : **264330128452**
Status : **Answered**
Chosen Option : **3**

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**Q.8** The average age of a husband, the wife and the child 2 years ago was 28 years and the average age of the husband and the child 5 years ago was 21 years. What is the present age of the wife?

Ans ✓ 1. 38 years

✗ 2. 40 years

✗ 3. 36 years

✗ 4. 42 years

Question ID : **264330128442**
Status : **Answered**
Chosen Option : **1**

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**Q.9** ΔABC is a right angled triangle. ∠A = 90 degree, AB = 4 cm, BC = 5 cm. What is the value of cos B + cot C?

Ans ✗ 1. 17/20

✗ 2. 29/20

✗ 3. 23/20

✓ 4. 31/20

Question ID : **264330127959**
Status : **Answered**
Chosen Option : **4**

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**Q.10** 20 percent of marked price is equal to 50 percent of cost price. If no discount is given, then what will be the profit percentage?

Ans ✗ 1. 120 percent

✓ 2. 150 percent

✗ 3. 125 percent

✗ 4. 100 percent

Question ID : **264330127793**
Status : **Answered**
Chosen Option : **2**

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**Q.11** Which of the following is a value of Θ, when $\cos^2 Θ - 2 + \cos Θ = 0$ ?

Ans ✗ 1. 60°

✗ 2. 90°

✗ 3. 30°

✓ 4. 0°

Question ID : **264330128458**
Status : **Answered**
Chosen Option : **4**

**Q.12** If $y + \frac{1}{y} = 3$, then what is the value of $\frac{1}{y^3} + y^3$ ?

**Ans**
  ✗ 1. 12
  ✗ 2. 27
  ✗ 3. 24
  ✔ 4. 18

**Q.13** The table given below shows the saving and expenditure of 5 companies.

| Companies | Saving | Expenditure |
|-----------|--------|-------------|
| P | 150 | 50 |
| Q | 400 | 200 |
| R | 300 | 150 |
| S | 150 | 100 |
| T | 200 | 500 |

Income = Expenditure + Savings

What is the average income of all 5 companies?

**Ans**
  ✔ 1. 440
  ✗ 2. 360
  ✗ 3. 480
  ✗ 4. 390

**Q.14** What is the value of $(1665 \div 37) + (42 \times 5)$?

**Ans**
  ✗ 1. 295
  ✗ 2. 270
  ✔ 3. 255
  ✗ 4. 285

**Q.15** A trader sells an article at 20 percent profit. If he buys it at half of the cost price and sells at the same selling price as before, then what will be the profit percentage?

**Ans** ✗ 1. 240 percent

✗ 2. 40 percent

✓ 3. 140 percent

✗ 4. 60 percent

**Q.16** Point D, E and F all lie on the circumference of a circle with centre O. If angle DEF = 48°, then what is a possible value of angle DOF?

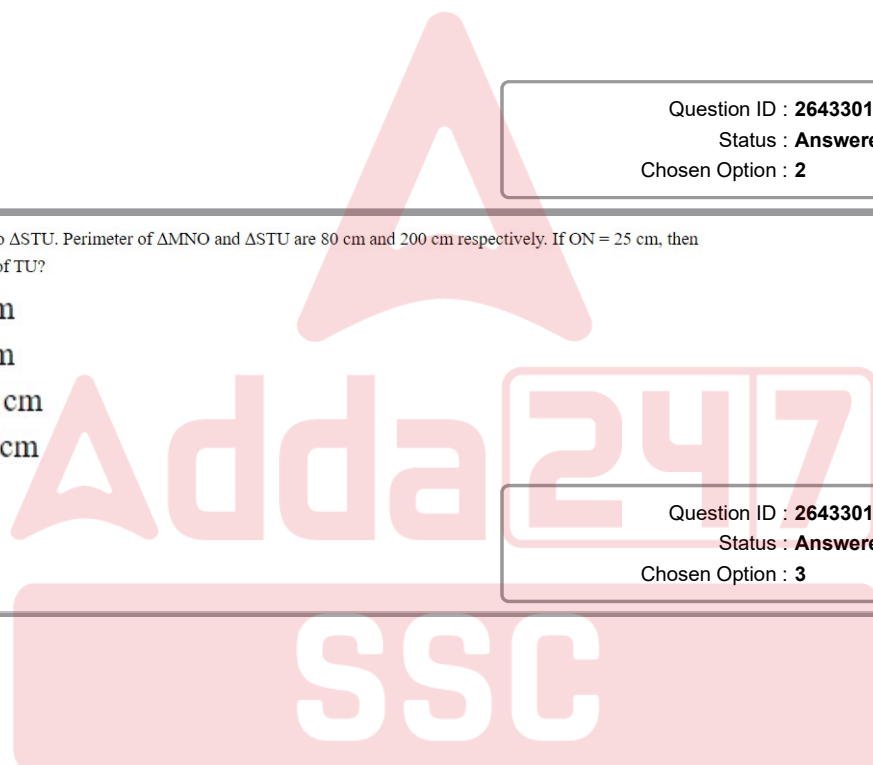**Ans** ✗ 1. 84°

✓ 2. 96°

✗ 3. 90°

✗ 4. 48°

**Q.17** ΔMNO is similar to ΔSTU. Perimeter of ΔMNO and ΔSTU are 80 cm and 200 cm respectively. If ON = 25 cm, then what is the length of TU?

**Ans** ✗ 1. 59 cm

✗ 2. 61 cm

✓ 3. 62.5 cm

✗ 4. 60.5 cm

**Q.18** The table given below shows the number of girls in 7 schools.

| Schools | Girls |
|---------|-------|
| J | 450 |
| K | 1050 |
| L | 550 |
| M | 850 |
| N | 650 |
| P | 250 |
| Q | 150 |

What is the total number of girls in all the schools?

Ans ✖ 1. 3850

✔ 2. 3950

✖ 3. 3750

✖ 4. 3620

**Q.19** The population of a town increased from 100000 to 250000 in 5 years. What is the approximate compounded percent increase of population per year?

Ans ✔ 1. 20 percent

✖ 2. 30 percent

✖ 3. 10 percent

✖ 4. 40 percent

**Q.20** What is the value of x ?

If x = 0.05 × 0.36 ÷ 0.4 + 0.055 + 1.50 ÷ 0.03

Ans ✖ 1. 45.9

✔ 2. 50.1

✖ 3. 55.1

✖ 4. 49.9

**Q.21**

If $\tan \alpha = \frac{1}{\sqrt{3}}$ and $\tan \beta = \sqrt{3}$ then what is the value of $\cos(\alpha + \beta)$ ?

Ans ✗ 1. 0.2

✓ 2. 0

✗ 3. 0.5

✗ 4. 1

**Q.22** 50% of A is equal to 80% of B. What is the ratio of A to B?

Ans ✗ 1. 5 : 8

✗ 2. 5 : 4

✗ 3. 4 : 5

✓ 4. 8 : 5

**Q.23**

If $a + \frac{1}{a} = 2$ and $b + \frac{1}{b} = -2$ , then what is the value of $a^2 + \frac{1}{a^2} + b^2 + \frac{1}{b^2}$ ?

Ans ✗ 1. 0

✗ 2. 2

✗ 3. 8

✓ 4. 4

**Q.24** A can do a certain work in 9 days. B is 80% more efficient than A. How many days will B and A together take to do the same work ?

Ans ✓ 1. 45/14 Days

✗ 2. 54/13 Days

✗ 3. 47/14 Days

✗ 4. 44/13 Days

**Q.25** A sum of Rs.2,000 becomes Rs.3,120 in two years at a certain rate of simple interest. What is the rate of the interest per annum ?

**Ans** ✗ 1. 34% per annum

✗ 2. 33% per annum

✗ 3. 30% per annum

✓ 4. 28% per annum

Section : **General awareness**

**Q.1** Shri Jatin Goswami received several honours for his contribution to _____.

**Ans** ✗ 1. Bharatnatyam Dance

✗ 2. Kathak Dance

✓ 3. Sattriya Dance

✗ 4. Manipuri Dance

**Q.2** The Nobel Prize for Physics 2022 has been given in the field of _____.

**Ans** ✗ 1. Atomic Science

✗ 2. Nuclear Physics

✗ 3. Gravitational force

✓ 4. Quantum Mechanics

**Q.3** Who among the following launched Toyota's pilot project on Flexi-Fuel Strong Hybrid Electric Vehicles (FFV-SHEV) in October 2022?

**Ans** ✗ 1. Amit Shah

✓ 2. Nitin Gadkari

✗ 3. Piyush Goyal

✗ 4. Narendra Singh Tomar

**Q.4** The first English factory was set up on the banks of the river _____ in 1651.

**Ans** ✗ 1. Son

✗ 2. Yamuna

✗ 3. Ganga

✓ 4. Hugli

**Q.5** Which of the following is NOT one of the objectives of the NITI Aayog?

**Ans** ✗ 1. To develop mechanisms to formulate credible plans at the village level

✓ 2. To design and print new currency notes and to bring them in circulation

✗ 3. To pay special attention to the sections of our society that may be at risk of not benefiting adequately from economic progress.

✗ 4. To evolve a shared vision of national development priorities

Question ID : **264330125554**
Status : **Answered**
Chosen Option : **2**

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**Q.6** When was the Treaty of Purandar signed between Shivaji and Jai Singh I?

**Ans** ✓ 1. 1665

✗ 2. 1655

✗ 3. 1675

✗ 4. 1685

Question ID : **264330125549**
Status : **Answered**
Chosen Option : **1**

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**Q.7** Which of the following was the host to ICC U19 Cricket World Cup 2022?

**Ans** ✗ 1. Bangladesh

✗ 2. Australia

✓ 3. West Indies

✗ 4. India

Question ID : **264330125280**
Status : **Not Answered**
Chosen Option : **--**

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**Q.8** _____ has been re-elected as the President of International Solar Alliance in October 2022.

**Ans** ✗ 1. Nepal

✗ 2. France

✓ 3. India

✗ 4. United Kingdoms

Question ID : **264330130249**
Status : **Answered**
Chosen Option : **3**

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**Q.9** Which of the following is a tributary of Indus?

**Ans** ✓ 1. Zaskar

✗ 2. Son

✗ 3. Chambal

✗ 4. Yamuna

Question ID : **264330130281**
Status : **Answered**
Chosen Option : **1**

**Q.10 Chhau dance is a popular dance of which region of India?**

Ans   ✗ 1. Southern India

     ✗ 2. Northern India

     ✓ 3. Eastern India

     ✗ 4. Western India

Question ID : **264330125335**
Status : **Answered**
Chosen Option : **3**

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**Q.11 Which Indian player is also called as Dhing Express?**

Ans   ✗ 1. Dutee Chand

     ✗ 2. P.T. Usha

     ✗ 3. Neeraj Chopra

     ✓ 4. Hima Das

Question ID : **264330125680**
Status : **Answered**
Chosen Option : **1**

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**Q.12 Which among the following states hosted the 9th World Ayurveda Congress & Arogya Expo in December 2022?**

Ans   ✗ 1. West Bengal

     ✓ 2. Goa

     ✗ 3. Maharashtra

     ✗ 4. Rajasthan

Question ID : **264330130250**
Status : **Not Answered**
Chosen Option : **--**

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**Q.13 Who among the following wrote "The Bench"?**

Ans   ✗ 1. Amitav Ghosh

     ✓ 2. Meghan Markle

     ✗ 3. Kalki Koechlin

     ✗ 4. Samir Soni

Question ID : **264330130263**
Status : **Answered**
Chosen Option : **1**

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**Q.14 What is the pH of normal milk?**

Ans   ✗ 1. 9.1-9.3

     ✗ 2. 8.1-8.3

     ✗ 3. 5.4-5.6

     ✓ 4. 6.7-6.9

Question ID : **264330125542**
Status : **Answered**
Chosen Option : **1**

**Q.15** In which of the following articles of the Indian constitution is the procedure for impeachment of the President of India mentioned?

**Ans** ✗ 1. 60

✗ 2. 59

✗ 3. 62

✓ 4. 61

Question ID : **264330124903**
Status : **Answered**
Chosen Option : **4**

**Q.16** _____ is calculated by dividing the nominal GDP in a given year by the real GDP for the same year and multiplying it by 100.

**Ans** ✗ 1. Disposable Income

✓ 2. GDP Deflator

✗ 3. Real Income

✗ 4. Per Capita Income

Question ID : **264330125540**
Status : **Answered**
Chosen Option : **2**

**Q.17** Which among the following will host the International Cricket Council (ICC) Women's T20 World Cup 2024?

**Ans** ✓ 1. Bangladesh

✗ 2. India

✗ 3. Sri Lanka

✗ 4. England

Question ID : **264330130268**
Status : **Not Answered**
Chosen Option : **--**

**Q.18** Which of the following earthquake waves are surface waves?

**Ans** ✗ 1. P waves

✓ 2. L waves

✗ 3. S Waves

✗ 4. M waves

Question ID : **264330124845**
Status : **Not Answered**
Chosen Option : **--**

**Q.19** Which among the following alloys is made up of copper and zinc?

**Ans** ✗ 1. Monel Metal

✗ 2. Magnalium

✗ 3. Rolled Gold

✓ 4. Dutch Metal

Question ID : **264330130254**
Status : **Not Answered**
Chosen Option : **--**

**Q.20** Which of the following is NOT a tributary of river Kaveri?

**Ans** ✔ 1. Musi

✘ 2. Bhavani

✘ 3. Hemavati

✘ 4. Kabini

Question ID : **264330124897**
Status : **Answered**
Chosen Option : **1**

**Q.21** Which among the following glaciers is not located in Jammu & Kashmir?

**Ans** ✘ 1. Bhillan

✔ 2. Milam

✘ 3. Thajiwas

✘ 4. Prui

Question ID : **264330130259**
Status : **Not Answered**
Chosen Option : **--**

**Q.22** In a _____ network, all nodes are connected to a single communication line and share it for all their communication needs.

**Ans** ✘ 1. ring

✘ 2. completely connected

✘ 3. star

✔ 4. Multi-access buss

Question ID : **264330124883**
Status : **Answered**
Chosen Option : **3**

**Q.23** If unemployment continues for long-term in a country, it is called _____ unemployment.

**Ans** ✘ 1. casual

✘ 2. technological

✘ 3. frictional

✔ 4. Chronic

Question ID : **264330130252**
Status : **Answered**
Chosen Option : **4**

**Q.24** Silicon dioxide is found mostly in which of the following?

**Ans** ✔ 1. Sand

✘ 2. Sugar

✘ 3. Salt

✘ 4. Slaked lime

Question ID : **264330125544**
Status : **Answered**
Chosen Option : **1**

**Q.25 IBM 360 was developed in which of the following generations of computer?**

Ans ✗ 1. Second Generation

✗ 2. First Generation

✓ 3. Third Generation

✗ 4. Fourth Generation