

**Combined Higher Secondary Level Examination 2019 Tier I**

Roll Number	
Candidate Name	
Venue Name	
Exam Date	16/10/2020
Exam Time	4:00 PM - 5:00 PM
Subject	CHSL Tier 1

Section : English Language (Basic Knowledge)

**Q.1 Select the correct passive form of the given sentence.**

**My mother is watching a new serial about the life of Dr. Ambedkar.**

- Ans  1. A new serial about the life of Dr. Ambedkar is being watched by my mother.  
 2. A new serial about the life of Dr. Ambedkar was being watched by my mother.  
 3. A new serial about the life of Dr. Ambedkar is watched by my mother.  
 4. A new serial about the life of Dr. Ambedkar will be watched by my mother.

Question ID : 424429809  
 Status : Answered  
 Chosen Option : 1

**Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.**

**The new product will be arrive on supermarket shelves only next year.**

- Ans  1. No improvement  
 2. will arrived on  
 3. will arrive on  
 4. will arriving on

Question ID : 424429822  
 Status : Answered  
 Chosen Option : 3

**Q.3 Select the correct indirect form of the given sentence.**

**Rama said to me, "I need your help for my new assignment."**

- Ans  1. Rama says that she needs my help for the new assignment.  
 2. Rama said to me I need your help for my new assignment.  
 3. Rama said that she was needing my help for her new assignment.  
 4. Rama told me that she needed my help for her new assignment.

Question ID : 424429810  
 Status : Answered  
 Chosen Option : 4

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Q.4 Select the word which means the same as the group of words given.

An imagined society where everything is perfect and everyone is happy

- Ans
- 1. Responsible
  - 2. Hypocrite
  - 3. Utopia
  - 4. Evangelist

Question ID : 424429829  
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 blank.

Recently, I visited an orphanage for differently abled (1)\_\_\_\_\_ in Delhi. The courteous staff (2)\_\_\_\_\_ me feel at home and allowed me to interact (3)\_\_\_\_\_ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4)\_\_\_\_\_ the children, who were in the age group of five to 13. The children were a cheerful lot, the smiles on (5)\_\_\_\_\_ faces reflecting the joy within on receiving gifts.

SubQuestion No : 5

Q.5 Select the most appropriate option for blank number 1.

- Ans
- 1. children
  - 2. child's
  - 3. child
  - 4. children's

Question ID : 424429814  
Status : Answered  
Chosen Option : 1

**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 blank.

Recently, I visited an orphanage for differently abled (1)\_\_\_\_\_ in Delhi. The courteous staff (2)\_\_\_\_\_ me feel at home and allowed me to interact (3)\_\_\_\_\_ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4)\_\_\_\_\_ the children, who were in the age group of five to 13. The children were a cheerful lot, the smiles on (5)\_\_\_\_\_ faces reflecting the joy within on receiving gifts.

SubQuestion No : 6

Q.6 Select the most appropriate option for blank number 2.

- Ans
- 1. made
  - 2. make
  - 3. makes
  - 4. was made

Question ID : 424429815  
Status : Answered  
Chosen Option : 1

**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 blank.

Recently, I visited an orphanage for differently abled (1)\_\_\_\_\_ in Delhi. The courteous staff (2)\_\_\_\_\_ me feel at home and allowed me to interact (3)\_\_\_\_\_ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4)\_\_\_\_\_ the children, who were in the age group of five to 13. The children were a cheerful lot, the smiles on (5)\_\_\_\_\_ faces reflecting the joy within on receiving gifts.

**SubQuestion No : 7**

**Q.7 Select the most appropriate option for blank number 3.**

- Ans  1. freely  
 2. truly  
 3. heartily  
 4. clearly

Question ID : 424429816

Status : Answered

Chosen Option : 1

**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 blank.

Recently, I visited an orphanage for differently abled (1)\_\_\_\_\_ in Delhi. The courteous staff (2)\_\_\_\_\_ me feel at home and allowed me to interact (3)\_\_\_\_\_ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4)\_\_\_\_\_ the children, who were in the age group of five to 13. The children were a cheerful lot, the smiles on (5)\_\_\_\_\_ faces reflecting the joy within on receiving gifts.

**SubQuestion No : 8**

**Q.8 Select the most appropriate option for blank number 4.**

- Ans  1. for  
 2. with  
 3. by  
 4. of

Question ID : 424429817

Status : Answered

Chosen Option : 1

**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 blank.

Recently, I visited an orphanage for differently abled (1)\_\_\_\_\_ in Delhi. The courteous staff (2)\_\_\_\_\_ me feel at home and allowed me to interact (3)\_\_\_\_\_ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4)\_\_\_\_\_ the children, who were in the age group of five to 13. The children were a cheerful lot, the smiles on (5)\_\_\_\_\_ faces reflecting the joy within on receiving gifts.

**SubQuestion No : 9**

**Q.9** Select the most appropriate option for blank number 5.

- Ans
- 1. that
  - 2. those
  - 3. them
  - 4. their

Question ID : 424429818  
Status : Answered  
Chosen Option : 4

**Q.10** Select the most appropriate meaning of the given idiom.

**Get something off your chest**

- Ans
- 1. Remove something from you as it is troubling you a lot
  - 2. Have difficulty in doing something that is quite easy
  - 3. Express something that has been worrying you, and you want to say
  - 4. Tell people some good news that you know and you want to share

Question ID : 424429826  
Status : Answered  
Chosen Option : 3

**Q.11** Select the INCORRECTLY spelt word.

- Ans
- 1. Alligator
  - 2. Privilage
  - 3. Alimony
  - 4. Judicious

Question ID : 424429828  
Status : Answered  
Chosen Option : 2

Q.12 Select the word which means the same as the group of words given.

Incapable of making mistakes

- Ans
- 1. Ineligible
  - 2. Negligible
  - 3. Inevitable
  - 4. Infallible

Question ID : 424429830  
Status : Answered  
Chosen Option : 4

Q.13 Select the most appropriate synonym of the given word.

IDLENESS

- Ans
- 1. Energy
  - 2. Industry
  - 3. Lethargy
  - 4. Cheerfulness

Question ID : 424429831  
Status : Answered  
Chosen Option : 3

Q.14 Select the INCORRECTLY spelt word.

- Ans
- 1. Changable
  - 2. Mileage
  - 3. Arrangement
  - 4. Practice

Question ID : 424429827  
Status : Answered  
Chosen Option : 1

Q.15 Select the most appropriate synonym of the given word.

REPROACH

- Ans
- 1. Indulge
  - 2. Train
  - 3. Supervise
  - 4. Berate

Question ID : 424429832  
Status : Not Answered  
Chosen Option : --

Q.16 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Einstein had a deep distaste for enforced learning, and was known to skip many of his college lectures.
- B. Einstein was also severely critical of the exam-based education system.
- C. The great physicist Galileo too said, "You cannot teach anybody anything. You can only help them discover it within themselves."
- D. He often felt that formal education interfered with his natural desire to learn and explore.

- Ans
- 1. DABC
  - 2. ADBC
  - 3. CABD
  - 4. ACDB

Question ID : 424429820  
Status : Answered  
Chosen Option : 2

Q.17 In the given sentence, identify the segment which contains a grammatical error.

I think Virat Kohli will remain the captain of the Indian team in a year 2020.

- Ans
- 1. of the Indian team
  - 2. in a year 2020
  - 3. will remain
  - 4. the captain

Question ID : 424429812  
Status : Answered  
Chosen Option : 2

Q.18 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. Soon, the idea took its final shape and she started selling barfis under the brand name Harbhajan's and the tagline "You'll remember your childhood".
- B. That's when Raveena suggested that she should start selling her signature 'Besan ki Barfi'.
- C. Today Harbhajan Kaur is truly living by these words as she now sells tasty barfi and makes good money.
- D. It all started in 2016, when 94 year old Harbhajan's daughter asked her if she had any regrets in life, to which she expressed that she never earned a penny for herself.

- Ans
- 1. DBAC
  - 2. CBAD
  - 3. DCAB
  - 4. BCDA

Question ID : 424429819  
Status : Answered  
Chosen Option : 3

Q.19 Select the most appropriate word to fill in the blank.

Parents who are very \_\_\_\_\_ later repent giving their children too much freedom.

- Ans
- 1. strict
  - 2. different
  - 3. overbearing
  - 4. permissive

Question ID : 424429834  
Status : Answered  
Chosen Option : 4

Q.20 Select the most appropriate ANTONYM of the given word.

SPIRITUAL

- Ans
- 1. Righteous
  - 2. Physical
  - 3. Ghostly
  - 4. Pious

Question ID : 424429823  
Status : Answered  
Chosen Option : 3

Q.21 Select the most appropriate word to fill in the blank.

It is said that children who learn to use their body, mind and emotions for their own wellbeing, work \_\_\_\_\_ the wellbeing of others.

- Ans
- 1. within
  - 2. into
  - 3. forwards
  - 4. towards

Question ID : 424429833  
Status : Answered  
Chosen Option : 4

Q.22 Select the most appropriate ANTONYM of the given word.

TESTIMONY

- Ans
- 1. Approval
  - 2. Difficulty
  - 3. Witness
  - 4. Disproof

Question ID : 424429824  
Status : Answered  
Chosen Option : 4

Q.23 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

After walking a few steps in the forest, our guide sensing some sort of movement in the foliage behind us.

- Ans
- 1. had been senses
  - 2. sensed
  - 3. No improvement
  - 4. was sensed

Question ID : 424429821  
Status : Answered  
Chosen Option : 2

Q.24 Select the most appropriate meaning of the given idiom.

Plain as day

- Ans
- 1. Very simple and easy to do
  - 2. Visible only in broad daylight
  - 3. Very obvious and easy to understand
  - 4. Very interesting to know

Question ID : 424429825  
Status : Answered  
Chosen Option : 3

Q.25 In the given sentence, identify the segment which contains a grammatical error.

We can see much changes in Government schools these days.

- Ans
- 1. in Government schools
  - 2. We can see
  - 3. much changes
  - 4. these days

Question ID : 424429811  
Status : Answered  
Chosen Option : 1

Section : General Intelligence

Q.1 Select the number that can replace the question mark (?) in the following series.

5, 3, 3, 5, 15, ?

- Ans
- 1. 45
  - 2. 39
  - 3. 69
  - 4. 59

Question ID : 424429840  
Status : Answered  
Chosen Option : 1

Q.2 Which two numbers should be interchanged in the following equation to make it correct?

$$6 + 28 \div 4 - 2 \times 17 = 12$$

- Ans
- 1. 28 and 2
  - 2. 6 and 4
  - 3. 17 and 6
  - 4. 17 and 4

Question ID : 424429836  
Status : Answered  
Chosen Option : 3

Q.3 Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Coach : Player

- Ans
- 1. Captain : Team
  - 2. Teacher : Student
  - 3. Umpire : Cricket
  - 4. Team : Practice

Question ID : 424429849  
Status : Answered  
Chosen Option : 2

Q.4 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

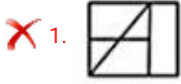
- Ans
- 1. WXYZ
  - 2. LMNO
  - 3. ABCD
  - 4. IJKL

Question ID : 424429850  
Status : Answered  
Chosen Option : 2

Q.5 Select the option in which the given figure is embedded. (Rotation is not allowed)



Ans



Question ID : 424429856  
Status : Answered  
Chosen Option : 3

Q.6 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

\_ \_ bc \_ \_ eaa \_ cde \_ abc \_ \_ ea \_ \_ cdee

Ans

✗ 1. abceacdeabccacde

✗ 2. aacdebceabccde

✓ 3. aacdebceacdeabc

✗ 4. aacdebceabceacd

Question ID : 424429847  
Status : Answered  
Chosen Option : 3

**Q.7** 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.

**Statements:**

1. Some bananas are green.
2. Some green are yellow.

**Conclusions:**

- I. Some bananas are yellow.
- II. Some yellow are bananas.
- III. All yellow are bananas.
- IV. Some green are bananas.

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

Question ID : 424429852  
 Status : Answered  
 Chosen Option : 3

**Q.8** Select the option figure that will come next in the following series.

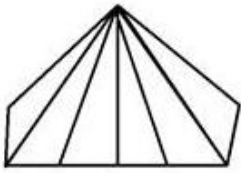


- Ans**
- 1.
  - 2.
  - 3.
  - 4.



Question ID : 424429854  
 Status : Answered  
 Chosen Option : 1

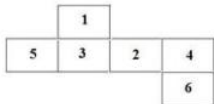
Q.9 How many triangles are there in the given figure?



- Ans
- 1. 11
  - 2. 10
  - 3. 12
  - 4. 13

Question ID : 424429855  
Status : Answered  
Chosen Option : 1

Q.10 If the following figure is folded to form a cube, then which number will be on the face opposite to the face having number '1'?



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

Question ID : 424429853  
Status : Answered  
Chosen Option : 3

Q.11 In a certain code language, SCIENCE is written as TFNLWNR. How will ARTS be written in that language?

- Ans
- 1. BTYZ
  - 2. TSRA
  - 3. BTYA
  - 4. BUYZ

Question ID : 424429843  
Status : Answered  
Chosen Option : 4

Q.12 'Tree' is related to 'Mango' in the same way as 'Vine' is related to '\_\_\_\_\_'.  
Ans

- 1. Guava
- 2. Banana
- 3. Orange
- 4. Grape

Question ID : 424429846  
Status : Answered  
Chosen Option : 4

Q.13 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(2, 6, 42)

- Ans
- 1. (9,13,43)
  - 2. (1, 2, 6)
  - 3. (4,12,86)
  - 4. (4, 8, 39)

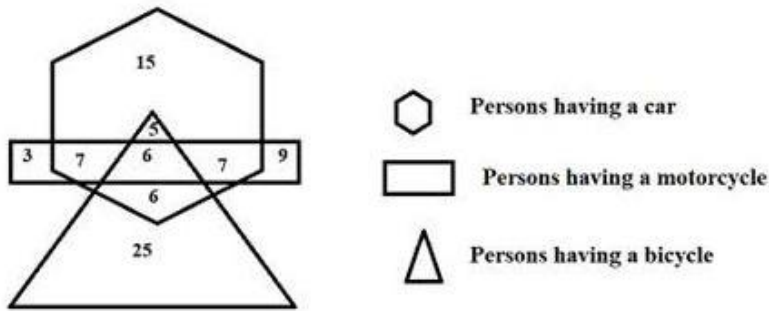
Question ID : 424429838  
Status : Not Attempted and  
Marked For Review  
Chosen Option : --

Q.14 Four numbers have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans
- 1. 393
  - 2. 441
  - 3. 384
  - 4. 600

Question ID : 424429841  
Status : Answered  
Chosen Option : 4

Q.15 Study the following diagram.



How many persons have only motorcycle?

- Ans
- 1. 12
  - 2. 32
  - 3. 9
  - 4. 3

Question ID : 424429859  
 Status : Answered  
 Chosen Option : 1

Q.16 Arrange the following words in a logical and meaningful order.

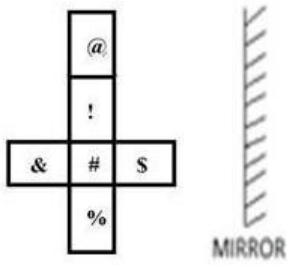
1. Letter
2. Postman
3. Delivery
4. Post Box
5. Post Office

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

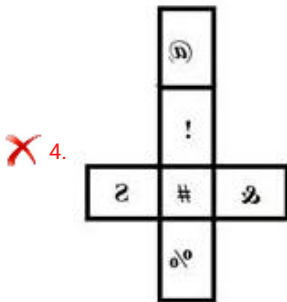
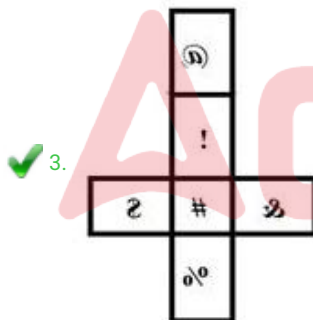
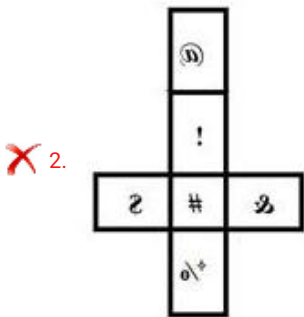
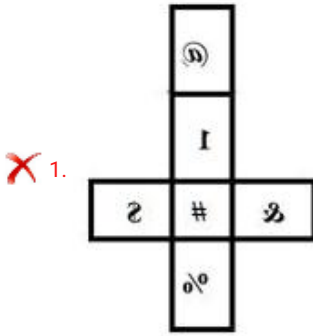


Question ID : 424429842  
 Status : Answered  
 Chosen Option : 2

Q.17 Which of the following options is the correct mirror image of the given figure?



Ans



Question ID : 424429858  
Status : Answered  
Chosen Option : 3

**Q.18** Between the siblings A and B, one is a brother and the other a sister. B is the son of X. X is Y's husband and O's brother.  
How is A related to O?

- Ans**
- 1. Cousin
  - 2. Nephew
  - 3. Granddaughter
  - 4. Niece

Question ID : 424429848  
Status : Answered  
Chosen Option : 4

**Q.19** Select the set in which the numbers are related in the same way as are the numbers of the following set.

(10, 50, 1250)

- Ans**
- 1. (2, 10, 125)
  - 2. (4, 8, 32)
  - 3. (9, 45, 945)
  - 4. (4, 20, 300)

Question ID : 424429839  
Status : Not Attempted and  
Marked For Review  
Chosen Option : --

**Q.20** Select the option that is related to the third number in the same way as the second number is related to the first number.

9 : 72 :: 5 : ?

- Ans**
- 1. 39
  - 2. 25
  - 3. 20
  - 4. 35

Question ID : 424429837  
Status : Answered  
Chosen Option : 3

**Q.21** The sequence of folding a 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.



Question ID : 424429857

Status : Answered

Chosen Option : 2

**Q.22** Aman has an equal number of one, five, ten and twenty rupee bank notes, to make a total of ₹1,080. How many bank notes does Aman have in total?

Ans  1. 100

2. 120

3. 105

4. 90

Question ID : 424429835

Status : Answered

Chosen Option : 2

Q.23 Select the letter-cluster that can replace the question mark (?) in the following series.

IHUW : HFRS :: LMQT : ?

- Ans
- 1. LKPN
  - 2. KKNP
  - 3. LMNO
  - 4. LNMK

Question ID : 424429851  
Status : Answered  
Chosen Option : 2

Q.24 In a certain code language, SKILL is coded as 57 and LOVE is coded as 40. How will LIE be coded as in that language?

- Ans
- 1. 22
  - 2. 20
  - 3. 26
  - 4. 17

Question ID : 424429844  
Status : Not Answered  
Chosen Option : --

Q.25 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BLISS : STNLF :: STOP : \_\_\_\_\_

- Ans
- 1. BLSQ
  - 2. TQST
  - 3. TTSQ
  - 4. TTRR

Question ID : 424429845  
Status : Not Answered  
Chosen Option : --

Section : Quantitative Aptitude(Basic Arithmetic Skill)

Q.1 In a set of three numbers, the average of the first two numbers is 7, the average of the last two numbers is 10, and the average of the first and the last numbers is 14. What is the average of the three numbers?

- Ans
- 1. 25/4
  - 2. 37/3
  - 3. 29/4
  - 4. 31/3

Question ID : 424429863  
Status : Answered  
Chosen Option : 4

Q.2 What is the area of an equilateral triangle of side  $4\sqrt{3}$  cm?

- Ans
- 1.  $15\sqrt{3}$  cm<sup>2</sup>
  - 2.  $16\sqrt{3}$  cm<sup>2</sup>
  - 3.  $20\sqrt{3}$  cm<sup>2</sup>
  - 4.  $12\sqrt{3}$  cm<sup>2</sup>

Question ID : 424429862  
Status : Answered  
Chosen Option : 2

Q.3 If a positive integer 'n' is divisible by 3, 5 and 7, then what is the next larger integer divisible by all these numbers?

- Ans
- 1.  $n + 21$
  - 2.  $n + 35$
  - 3.  $n + 105$
  - 4.  $n + 110$

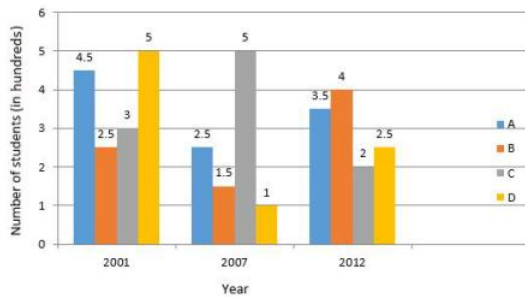
Question ID : 424429876  
Status : Answered  
Chosen Option : 3

Q.4 At which rate of simple interest does an amount become double in 12 years?

- Ans
- 1.  $7\frac{4}{5}\%$
  - 2. 8%
  - 3.  $8\frac{1}{3}\%$
  - 4.  $7\frac{1}{2}\%$

Question ID : 424429868  
Status : Answered  
Chosen Option : 3

**Q.5** The following bar graph shows the number of students (in hundreds) who have opted for different courses A, B, C and D in 3 years in a college. Study the graph and answer the question.

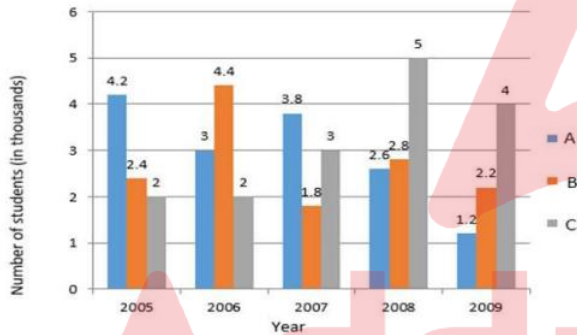


In the year 2007, the average number of students across the four courses is (in hundreds):

- Ans
- 1. 2.7
  - 2. 1.5
  - 3. 2.2
  - 4. 2.5

Question ID : 424429881  
 Status : Answered  
 Chosen Option : 4

**Q.6** The following graph below shows the number of students (in thousands) who were admitted to three different courses in 5 years in a university. Study the graph and answer the question.

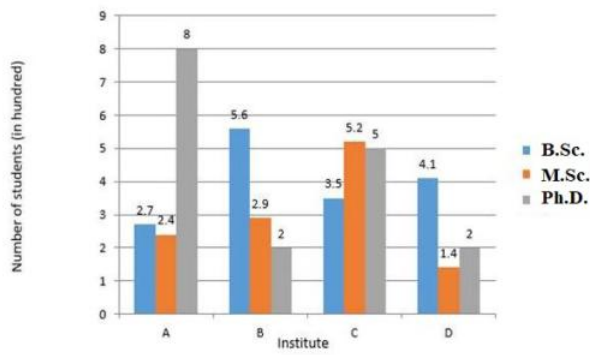


What is the ratio of the number of students who were admitted to course A in the year 2007 to that of students who were admitted to course C in the year 2009?

- Ans
- 1.  $\frac{9}{20}$
  - 2.  $\frac{21}{20}$
  - 3.  $\frac{23}{20}$
  - 4.  $\frac{19}{20}$

Question ID : 424429882  
 Status : Answered  
 Chosen Option : 4

**Q.7** The following graph shows the number of students (in hundreds) in three different courses in four different institutes. Study the graph and answer the question.

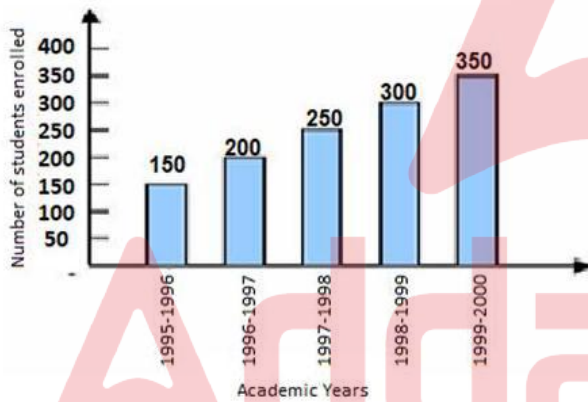


What is the total number of students (in hundreds) in M.Sc. course across all institutes?

- Ans
- 1. 11.5
  - 2. 11.9
  - 3. 10.5
  - 4. 10.8

Question ID : 424429883  
 Status : Answered  
 Chosen Option : 2

**Q.8** Study the graph and answer the question that follows.



What is the ratio of enrolment during 1995 - 1996 to the enrolment during 1998 - 1999?

- Ans
- 1. 1 : 2
  - 2. 1 : 3
  - 3. 2 : 1
  - 4. 3 : 1

Question ID : 424429884  
 Status : Answered  
 Chosen Option : 1

Q.9 What is the value of

$$(9 + 3 - 16 \div 4 + 10) + \{(3 + 5 \times 2 \div 10)\} \times (18 - 4 \text{ of } 5)?$$

- Ans
- 1. 15
  - 2. 10
  - 3. 5
  - 4. 8

Question ID : 424429877  
Status : Answered  
Chosen Option : 2

Q.10 If  $a : b = 3 : \sqrt{5}$ , then the value of  $(2a + b) : (3a - 2b)$  is:

- Ans
- 1.  $\frac{1}{64}(64 + 21\sqrt{5})$
  - 2.  $\frac{1}{62}(64 + 21\sqrt{5})$
  - 3.  $\frac{1}{63}(64 + 21\sqrt{5})$
  - 4.  $\frac{1}{61}(64 + 21\sqrt{5})$

Question ID : 424429867  
Status : Answered  
Chosen Option : 4

Q.11 If two concentric circles are of radii 13 cm and 12 cm, respectively, then the length of the chord of the larger circle which touches the smaller circle is:

- Ans
- 1. 35 cm
  - 2. 10 cm
  - 3. 15 cm
  - 4. 25 cm

Question ID : 424429872  
Status : Answered  
Chosen Option : 2

Q.12 A person walks a distance from point A to B at 15 km/h, and from point B to A at 30 km/h. If he takes 3 hours to complete the journey, then what is the distance from point A to B?

- Ans
- 1. 25 km
  - 2. 10 km
  - 3. 15 km
  - 4. 30 km

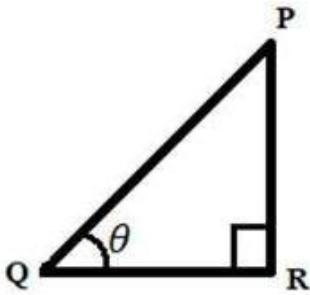
Question ID : 424429861  
Status : Answered  
Chosen Option : 4

Q.13 The radius of a circle is 15 cm and the length of one chord of the circle is 20 cm. What is the distance of the chord from the centre of the circle?

- Ans
- ✓ 1.  $5\sqrt{5}$  cm
  - ✗ 2.  $5\sqrt{3}$  cm
  - ✗ 3.  $5\sqrt{2}$  cm
  - ✗ 4.  $3\sqrt{3}$  cm

Question ID : 424429870  
Status : Answered  
Chosen Option : 1

Q.14 In the given figure, if  $PQ = 13$  cm and  $PR = 12$  cm, then the value of  $\sin \theta + \tan \theta = ?$



- Ans
- ✗ 1.  $\frac{213}{5}$
  - ✗ 2.  $\frac{218}{5}$
  - ✗ 3.  $\frac{216}{13}$
  - ✓ 4.  $\frac{216}{65}$

Question ID : 424429879  
Status : Answered  
Chosen Option : 4

Q.15 What is the value of  $\cot 35^\circ \cot 40^\circ \cot 45^\circ \cot 50^\circ \cot 55^\circ$ ?

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

Question ID : 424429878  
Status : Answered  
Chosen Option : 3

Q.16 If  $x + y = 4$  and  $x^3 + y^3 = 12$ , then the value of  $x^4 + y^4 = ?$

- Ans
- 1.  $\frac{146}{9}$
  - 2.  $\frac{146}{3}$
  - 3.  $\frac{146}{7}$
  - 4.  $\frac{146}{5}$

Question ID : 424429874  
Status : Answered  
Chosen Option : 1

Q.17 The ratio of three angles of a triangle is 1 : 3 : 5. Which is the measure of the greatest angle?

- Ans
- 1.  $100^\circ$
  - 2.  $80^\circ$
  - 3.  $60^\circ$
  - 4.  $120^\circ$

Question ID : 424429871  
Status : Answered  
Chosen Option : 1

Q.18 The cost price of 33 books is the same as the selling price of 'x' books. If the profit is 10%, then the value of 'x' is :

- Ans
- 1. 30
  - 2. 20
  - 3. 10
  - 4. 40

Question ID : 424429866  
Status : Answered  
Chosen Option : 1

Q.19 The value of  $x$ , if  $2\sin^2 x = 2 - 3\sin x$ , is:

- Ans
- 1.  $\frac{\pi}{6}$
  - 2.  $\frac{\pi}{4}$
  - 3.  $\frac{\pi}{2}$
  - 4.  $\frac{\pi}{3}$

Question ID : 424429880  
Status : Answered  
Chosen Option : 1

Q.20 If  $x - y = 13$  and  $xy = 25$ , then the value of  $x^2 - y^2 = ?$

- Ans
- 1.  $13\sqrt{269}$
  - 2.  $13\sqrt{210}$
  - 3.  $13\sqrt{229}$
  - 4.  $13\sqrt{240}$

Question ID : 424429873  
Status : Answered  
Chosen Option : 1

Q.21 In a 15% discount sale, the cost of a book is ₹2,150. What was the original price of the book?  
(Correct to two decimal places)

- Ans
- 1. ₹2,529.41
  - 2. ₹2,500.00
  - 3. ₹1,527.00
  - 4. ₹2,250.50

Question ID : 424429864  
Status : Answered  
Chosen Option : 1

Q.22 What will be the area of a circle whose radius is  $\sqrt{5}$  cm?

- Ans
- 1.  $3\pi \text{ cm}^2$
  - 2.  $\pi \text{ cm}^2$
  - 3.  $2\pi \text{ cm}^2$
  - 4.  $5\pi \text{ cm}^2$

Question ID : 424429869  
Status : Answered  
Chosen Option : 4

Q.23 The distance covered by a train in  $(x + 1)$  hours is  $(x^3 + 1)$  km. What is the speed of the train?

- Ans
- 1.  $(x^3 - 1)$  km/h
  - 2.  $(x^2 - x + 1)$  km/h
  - 3.  $(x^2 + x + 1)$  km/h
  - 4.  $(x + 1)$  km/h

Question ID : 424429875  
Status : Answered  
Chosen Option : 2

Q.24 If the numerator of a fraction is increased by 15% and denominator is decreased by 20%, then the fraction, so obtained, is  $\frac{17}{65}$ . What is the original fraction?

- Ans
- 1.  $\frac{281}{1495}$
  - 2.  $\frac{278}{1495}$
  - 3.  $\frac{267}{1495}$
  - 4.  $\frac{272}{1495}$

Question ID : 424429865  
Status : Answered  
Chosen Option : 4

Q.25 A alone can complete a task in 3 days and B alone can complete the same task in 6 days. In how many days can A and B complete it together?

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

Question ID : 424429860  
Status : Answered  
Chosen Option : 4

Section : General Awareness

Q.1 The capital of which empire was NOT in south India?

- Ans
- 1. Pala
  - 2. Chola
  - 3. Chera
  - 4. Pallava

Question ID : 424429902  
Status : Answered  
Chosen Option : 1

Q.2 Which application was launched by Reserve Bank of India in January 2020 to help visually challenged people identify new currency notes?

- Ans
- 1. OLTAS
  - 2. MANI
  - 3. DRI
  - 4. NEFT

Question ID : 424429892  
Status : Answered  
Chosen Option : 2

Q.3 Who was India's first Chief of Defence Staff?

- Ans
- 1. General Bipin Rawat
  - 2. General Arjan Singh
  - 3. General Vijay Kumar Singh
  - 4. General Manoj Mukund Naravane

Question ID : 424429889  
Status : Answered  
Chosen Option : 1

Q.4 Which of the following is a popular dance form of Lakshadweep island?

- Ans
- 1. Kuchipudi
  - 2. Koli
  - 3. Kathak
  - 4. Kolkali

Question ID : 424429887  
Status : Not Answered  
Chosen Option : --

Q.5 Who is the author of the book 'Reset: Regaining India's Economic Legacy'?

- Ans
- 1. Suketu Mehta
  - 2. Abhijeet Banerjee
  - 3. Subramanian Swamy
  - 4. Raghuram Rajan

Question ID : 424429904  
Status : Answered  
Chosen Option : 3

Q.6 'Leukopenia' is an abnormal \_\_\_\_\_.

- Ans
- 1. increase in red blood cells
  - 2. decrease in white blood cells
  - 3. decrease in red blood cells
  - 4. increase in white blood cells

Question ID : 424429896  
Status : Answered  
Chosen Option : 4

Q.7 Which stadium was renamed as Arun Jaitley Stadium in 2019?

- Ans
- 1. Feroz Shah Kotla Ground
  - 2. Green Park
  - 3. Eden Gardens
  - 4. Wankhede Stadium

Question ID : 424429909  
Status : Answered  
Chosen Option : 1

Q.8 India got its first 3D Smart Traffic Signal System in August 2019. This system was designed by students of\_\_\_\_\_.

- Ans  1. Chitkara University  
 2. I.K. Gujral Punjab Technical University  
 3. IISC-Bangalore  
 4. IIT-Mumbai

Question ID : 424429890  
Status : Not Answered  
Chosen Option : --

Q.9 स्वपोषी (ऑटोट्रॉफिक) जीवों की कार्बन और ऊर्जा संबंधी आवश्यकताएँ \_\_\_\_\_ की प्रक्रिया द्वारा पूरी होती हैं।

- Ans  1. प्रकाशस्वपोषी (फोटोऑटोट्रॉफिस)  
 2. प्रकाश संश्लेषण (फोटोसिंथेसिस)  
 3. शीत निष्क्रियता (हाइबरनेशन)  
 4. जैव संश्लेषण (बायोसिंथेसिस)

Question ID : 424429894  
Status : Answered  
Chosen Option : 1

Q.10 1° latitude is equal to approximately \_\_\_\_\_ km.

- Ans  1. 111  
 2. 145  
 3. 133  
 4. 122

Question ID : 424429900  
Status : Not Answered  
Chosen Option : --

Q.11 Which of the following is NOT a central economic problem, solved by the Production Possibility Curve (PPC)?

- Ans  1. Full utilisation of resources  
 2. Sustainable consumption  
 3. Economic efficiency  
 4. Economic growth

Question ID : 424429893  
Status : Answered  
Chosen Option : 3

Q.12 As per the eighth Schedule of the Constitution of India, how many languages are referred to as scheduled languages?

- Ans
- 1. 14
  - 2. 20
  - 3. 22
  - 4. 18

Question ID : 424429905  
Status : Answered  
Chosen Option : 3

Q.13 Third generation computers used:

- Ans
- 1. vacuum tubes
  - 2. integrated circuits
  - 3. Transistors
  - 4. VLSI technique

Question ID : 424429886  
Status : Answered  
Chosen Option : 2

Q.14 Which of the following plates has the slowest rate of movement at less than 2.5 cm/year?

- Ans
- 1. Arctic Ridge
  - 2. North American Plate
  - 3. Mid-Atlantic Ridge
  - 4. East Pacific Rise

Question ID : 424429897  
Status : Not Answered  
Chosen Option : --

Q.15 Through which of the following states does the Tropic of Cancer run?

- Ans
- 1. Assam
  - 2. Mizoram
  - 3. Nagaland
  - 4. Manipur

Question ID : 424429899  
Status : Answered  
Chosen Option : 2

Q.16 \_\_\_\_\_, कंप्यूटर नेटवर्क में केंद्रीय सर्वर है, जो संबद्ध उपयोगकर्ताओं को सर्वर की भंडारण क्षमता का उपागम करने देता है।

- Ans
- 1. एप्लिकेशन सर्वर
  - 2. फ़ाइल सर्वर
  - 3. प्रिंट सर्वर
  - 4. वेब सर्वर

Question ID : 424429885  
Status : Answered  
Chosen Option : 2

Q.17 India's 'National Sports Day' coincides with the birthday of which sportsperson?

- Ans
- 1. Milkha Singh
  - 2. Syed Abdul Rahim
  - 3. Kapil Dev
  - 4. Dhyan Chand

Question ID : 424429908  
Status : Answered  
Chosen Option : 4

Q.18 The fifth incarnation of Vishnu is known as:

- Ans
- 1. Varaha
  - 2. Krishna
  - 3. Vamana
  - 4. Narasimha

Question ID : 424429888  
Status : Not Answered  
Chosen Option : --

Q.19 'Piklihal' and 'Utnur' are important \_\_\_\_\_ sites.

- Ans
- 1. Monolithic
  - 2. Paleolithic
  - 3. Megalithic
  - 4. Neolithic

Question ID : 424429901  
Status : Answered  
Chosen Option : 2

Q.20 Which of the following statements is NOT correct about Rajya Sabha?

- Ans
- 1. It has powers that protect the rights of states against the union.
  - 2. It can amend a money bill.
  - 3. Twelve of its members are nominated by the President.
  - 4. It is the upper house of the Parliament of India.

Question ID : 424429906  
Status : Answered  
Chosen Option : 2

Q.21 भूमि का वह भाग जो लगभग चारों ओर से पानी से घिरा होता है लेकिन एक ओर से मुख्य भूमि से जुड़ा होता है, \_\_\_\_\_ कहलाता है।

- Ans
- 1. जलडमरूमध्य (Strait)
  - 2. द्वीप (Island)
  - 3. थलसंधि (Isthmus)
  - 4. प्रायद्वीप (Peninsula)

Question ID : 424429898  
Status : Answered  
Chosen Option : 3

Q.22 Who among the following won the 'JCB Prize for Literature 2019'?

- Ans
- 1. Madhuri Vijay
  - 2. Manu S Pillai
  - 3. Shanta Gokhale
  - 4. Akkitham Achuthan Namboothiri

Question ID : 424429903  
Status : Answered  
Chosen Option : 1

Q.23 Who among the following was dropped from the All India Council of Sports (AICS) in January 2020 for not being "active" enough?

- Ans
- 1. Viswanathan Anand
  - 2. Pullela Gopichand
  - 3. Harbajan Singh
  - 4. K Srikanth

Question ID : 424429907  
Status : Answered  
Chosen Option : 3

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Q.24 Pineapple is a \_\_\_\_\_ plant.

- Ans
- 1. Hydrophyte
  - 2. Mesophyte
  - 3. Xerophyte
  - 4. Hygrophyte

Question ID : 424429895  
Status : Answered  
Chosen Option : 3

Q.25 Who was the youngest Member of Parliament to be elected in 2019?

- Ans
- 1. Tejasvi Surya
  - 2. Chandrani Murmu
  - 3. Nusrat Jahan
  - 4. Mimi Chakraborty

Question ID : 424429891  
Status : Answered  
Chosen Option : 2