

## Combined Higher Secondary Level Examination 2019 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Madurai IV
Exam Date	13/10/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CHSL Tier 1

### Section : English Language (Basic Knowledge)

**Q.1** Select the most appropriate **ANTONYM** of the given word.

**MALIGNANT**

- Ans
- ☒ 1. Hesitant
  - ☒ 2. Indignant
  - ☒ 3. Fatal
  - ☒ 4. Benign

Question ID : 8161612146

Status : **Not Answered**

Chosen Option : --

**Q.2** Select the most appropriate word to fill in the blank in the given sentence.

This winter \_\_\_\_\_ weather conditions have led people to remain indoors.

- Ans
- ☒ 1. adverse
  - ☒ 2. inverse
  - ☒ 3. traverse
  - ☒ 4. averse

Question ID : 8161612156

Status : **Answered**

Chosen Option : 1

**Q.3** In the given sentence identify the segment which contains the grammatical error.

A Royal Bengal tigress and her three cubs was poison and their carcasses left to rot in the Wildlife Sanctuary in Goa.

- Ans
- ☒ 1. A Royal Bengal tigress
  - ☒ 2. and her three cubs was poison
  - ☒ 3. in the Wildlife Sanctuary in Goa
  - ☒ 4. and their carcasses left to rot

Question ID : 8161612134

Status : **Answered**

Chosen Option : 2

Q.4 Select the most appropriate word to fill in the blank in the given sentence.

Some people think that the credit card culture encourages people to shop compulsively and merely \_\_\_\_\_ debts.

- Ans
- ☒ 1. accumulate
  - ☐ 2. simulate
  - ☐ 3. formulate
  - ☐ 4. stimulate

Question ID : 8161612155

Status : Not Answered

Chosen Option : --

**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.

One complaint parents and teachers have about children these days is that they are simply not interested in (1)\_\_\_\_\_. In his weekly column 'Down in Jungle land' Ranjit Lal, an (2)\_\_\_\_\_ offers some useful suggestions. Keeping a dog or cat as a pet (3)\_\_\_\_\_ to be made mandatory. Regular visits to national parks and (4)\_\_\_\_\_ are another way to get children hooked. Treks in wilderness areas are even (5)\_\_\_\_\_ as children can then engage with all kinds of life-forms on their turf.

SubQuestion No : 5

Q.5

Select the most appropriate option for blank number 1.

- Ans
- ☐ 1. unnaturalness
  - ☐ 2. naturalist
  - ☐ 3. natural
  - ☒ 4. nature

Question ID : 8161612136

Status : Answered

Chosen Option : 4

**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.

One complaint parents and teachers have about children these days is that they are simply not interested in (1)\_\_\_\_\_. In his weekly column 'Down in Jungle land' Ranjit Lal, an (2)\_\_\_\_\_ offers some useful suggestions. Keeping a dog or cat as a pet (3)\_\_\_\_\_ to be made mandatory. Regular visits to national parks and (4)\_\_\_\_\_ are another way to get children hooked. Treks in wilderness areas are even (5)\_\_\_\_\_ as children can then engage with all kinds of life-forms on their turf.

SubQuestion No : 6

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

- Ans
- ☐ 1. environment
  - ☒ 2. environmentalist
  - ☐ 3. environmental
  - ☐ 4. environs

Question ID : 8161612137

Status : Answered

Chosen Option : 2

**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.

One complaint parents and teachers have about children these days is that they are simply not interested in (1)\_\_\_\_\_. In his weekly column 'Down in Jungle land' Ranjit Lal, an (2)\_\_\_\_\_ offers some useful suggestions. Keeping a dog or cat as a pet (3)\_\_\_\_\_ to be made mandatory. Regular visits to national parks and (4)\_\_\_\_\_ are another way to get children hooked. Treks in wilderness areas are even (5)\_\_\_\_\_ as children can then engage with all kinds of life-forms on their turf.

**SubQuestion No : 7**

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

- Ans
- ☒ 1. will
  - ☒ 2. can
  - ☒ 3. must
  - ☒ 4. needs

Question ID : 8161612138

Status : Answered

Chosen Option : 4

**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.

One complaint parents and teachers have about children these days is that they are simply not interested in (1)\_\_\_\_\_. In his weekly column 'Down in Jungle land' Ranjit Lal, an (2)\_\_\_\_\_ offers some useful suggestions. Keeping a dog or cat as a pet (3)\_\_\_\_\_ to be made mandatory. Regular visits to national parks and (4)\_\_\_\_\_ are another way to get children hooked. Treks in wilderness areas are even (5)\_\_\_\_\_ as children can then engage with all kinds of life-forms on their turf.

**SubQuestion No : 8**

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

- Ans
- ☒ 1. sanctorum
  - ☒ 2. sanctuary
  - ☒ 3. sanctuaries
  - ☒ 4. sanctity

Question ID : 8161612139

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.

One complaint parents and teachers have about children these days is that they are simply not interested in (1)\_\_\_\_. In his weekly column 'Down in Jungle land' Ranjit Lal, an (2)\_\_\_\_ offers some useful suggestions. Keeping a dog or cat as a pet (3)\_\_\_\_ to be made mandatory. Regular visits to national parks and (4)\_\_\_\_ are another way to get children hooked. Treks in wilderness areas are even (5)\_\_\_\_ as children can then engage with all kinds of life-forms on their turf.

**SubQuestion No : 9**

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

- Ans
- ☒ 1. good
  - ☒ 2. worse
  - ☒ 3. best
  - ☒ 4. better

Question ID : 8161612140

Status : Answered

Chosen Option : 4

**Q.10** Select the most appropriate synonym of the given word.

**OPULENT**

- Ans
- ☒ 1. Shabby
  - ☒ 2. Virulent
  - ☒ 3. Luxurious
  - ☒ 4. Distant

Question ID : 8161612154

Status : Not Answered

Chosen Option : --

**Q.11** Select the word which means the same as the group of words given.

**Very careful and precise**

- Ans
- ☒ 1. Meticulous
  - ☒ 2. Garrulous
  - ☒ 3. Tremulous
  - ☒ 4. Tumultuous

Question ID : 8161612151

Status : Answered

Chosen Option : 4

Q.12 Select the most appropriate meaning of the given idiom.

Like talking to a brick wall

- Ans
- ☒ 1. Fascinated
  - ☒ 2. Curious
  - ☒ 3. Inattentive
  - ☒ 4. Frightened

Question ID : 8161612147  
Status : Answered  
Chosen Option : 3

Q.13 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Fattening
  - ☒ 2. Business
  - ☒ 3. Dessert
  - ☒ 4. Decieve

Question ID : 8161612149  
Status : Answered  
Chosen Option : 4

Q.14 Select the word which means the same as the group of words given.

A natural skill at doing something

- Ans
- ☒ 1. Quack
  - ☒ 2. Stack
  - ☒ 3. Knack
  - ☒ 4. Snack

Question ID : 8161612152  
Status : Not Answered  
Chosen Option : --

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

DIVERSE

- Ans
- ☒ 1. Practical
  - ☒ 2. Farcical
  - ☒ 3. Parallel
  - ☒ 4. Identical

Question ID : 8161612145  
Status : Answered  
Chosen Option : 3

Q.16 Select the correct passive form of the given sentence.

Rains lashed Delhi and brought the temperature down by a few degrees.

- Ans ☒ 1. Delhi was lashed by rains and the temperature was brought down by a few degrees.
- ☐ 2. Delhi was being lashed by rain and the temperature was being brought down by a few degrees.
- ☐ 3. Delhi had been lashed by rain and the temperature had been brought down by a few degrees.
- ☐ 4. Delhi is being lashed by rain and the temperature was brought down by a few degrees.

Question ID : 8161612131  
Status : Answered  
Chosen Option : 1

Q.17 Select the correct indirect form of the given sentence.

Ravi asked, "Ritu, how many sets of class 12 practice papers have you finished?"

- Ans ☐ 1. Ravi asked Ritu how many sets of class 12 practice papers was she finishing.
- ☒ 2. Ravi asked Ritu how many sets of class 12 practice papers she had finished.
- ☐ 3. Ravi asked Ritu how many sets of class 12 practice papers had she been finishing.
- ☐ 4. Ravi asked Ritu how many sets of class 12 practice papers she has been finishing.

Question ID : 8161612132  
Status : Answered  
Chosen Option : 2

Q.18 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 Arabian Sea region is very important for India as several major ports are locating there.

- Ans ☐ 1. was locating
- ☐ 2. No improvement
- ☒ 3. are located
- ☐ 4. have been locating

Question ID : 8161612144  
Status : Answered  
Chosen Option : 3

Q.19 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Some returned in the 80's but they were not allowed to reclaim or buy land.
- B. In the 70's many Vietnamese living in Cambodia faced deportation after a change in government.
- C. Their only solution was to live in wooden homes floating on the lake.
- D. Even today they can be found living on the lake surviving on fishing and tourism.

- Ans
- ☒ 1. CBDA
  - ☒ 2. DACB
  - ☒ 3. BACD
  - ☒ 4. ABDC

Question ID : 8161612142

Status : Answered

Chosen Option : 3

Q.20 In the given sentence identify the segment which contains the grammatical error.

Scientist have recently announced that a more effective antidote for snakebite venom has been made.

- Ans
- ☒ 1. that a more effective antidote
  - ☒ 2. for snakebite venom has been made
  - ☒ 3. Scientist have
  - ☒ 4. recently announced

Question ID : 8161612133

Status : Not Answered

Chosen Option : --

Q.21 Select the most appropriate synonym of the given word.

ENRAGE

- Ans
- ☒ 1. Alleviate
  - ☒ 2. Placate
  - ☒ 3. Infuriate
  - ☒ 4. Moderate

Question ID : 8161612153

Status : Not Answered

Chosen Option : --

Q.22 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. For example, our project files were kept pending for a few years.
- B. However, such hindrances did not stop us from tirelessly working towards the establishment of 450 clinics.
- C. We initially constructed over 150 clinics.
- D. But very soon many roadblocks were put in our path of expansion.

- Ans
- ☒ 1. CBDA
  - ☒ 2. CDAB
  - ☒ 3. DCAB
  - ☒ 4. ABDC

Question ID : 8161612141

Status : Not Answered

Chosen Option : --

Q.23 Select the most appropriate meaning of the given idiom.

Bite off more than one can chew

- Ans
- ☒ 1. To taste something while cooking
  - ☒ 2. To take on more than one can deal with
  - ☒ 3. To cheat someone and get away
  - ☒ 4. To eat quickly and run away

Question ID : 8161612148

Status : Not Answered

Chosen Option : --

Q.24 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Accomodate
  - ☒ 2. Quizzes
  - ☒ 3. Acceptable
  - ☒ 4. Beginning

Question ID : 8161612150

Status : Not Answered

Chosen Option : --

Q.25 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'.

Sele, is a near extinct language, spoken for just five villages in Nepal, which lie close to Tibet.

- Ans
- ☒ 1. spoken of
  - ☒ 2. No improvement
  - ☒ 3. spoken out
  - ☒ 4. spoken in

Question ID : 8161612143

Status : Not Answered

Chosen Option : --



**Q.1** Select the option that is related to the third number in the same way as the second number is related to the first number.

88 : 308 :: 126 : ?

- Ans**
- ☒ 1. 441
  - ☐ 2. 379
  - ☐ 3. 450
  - ☐ 4. 456

Question ID : 8161612159

Status : Answered

Chosen Option : 1

**Q.2**  $A \times B$  means 'A is the wife of B';

$A \div B$  means 'A is the father of B'.

Which of the following expression means 'R is the paternal grandfather of S'?

- Ans**
- ☐ 1.  $S \times U \times R \div J$
  - ☐ 2.  $J \times S \div R \times U$
  - ☒ 3.  $R \div J \div S \times U$
  - ☐ 4.  $S \div U \times J \div R$

Question ID : 8161612170

Status : Answered

Chosen Option : 3

**Q.3** If the following interchanges are made in signs and numbers, which equation would be correct?

Interchanges:

Signs:  $+$  and  $-$

Numbers: 15 and 5

- Ans**
- ☐ 1.  $4 \times 30 - 5 \div 15 + 14 = 21$
  - ☒ 2.  $4 \times 30 - 15 \div 5 + 12 = 21$
  - ☐ 3.  $12 \times 30 - 15 \div 5 + 4 = 37$
  - ☐ 4.  $4 \times 30 - 15 \div 5 + 12 = 27$

Question ID : 8161612158

Status : Not Answered

Chosen Option : --

**Q.4** Which option represents the correct order of the given words as they would appear in an English dictionary?

1. Mankind
2. Manner
3. Manuscript
4. Management
5. Making

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

Question ID : 8161612164

Status : Answered

Chosen Option : 1

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



Figure X

- Ans** ☒ 1.   
☒ 2.   
☒ 3.   
☒ 4.

Question ID : 8161612178

Status : Answered

Chosen Option : 4

**Q.6** Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

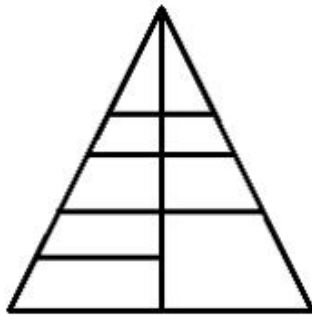
- Ans** ☒ 1. Malaria  
☒ 2. Depression  
☒ 3. Typhoid  
☒ 4. Dengue

Question ID : 8161612173

Status : Answered

Chosen Option : 2

Q.7 How many triangles are there in the given figure?



- Ans
- ☒ 1. 11
  - ☒ 2. 12
  - ☒ 3. 14
  - ☒ 4. 13

Question ID : 8161612177

Status : Not Answered

Chosen Option : --

Q.8 An amount of ₹504 is to be divided among three persons A, B and C in the ratio of 7 : 8 : 9, respectively. How much amount will B and C receive in total?

- Ans
- ☒ 1. ₹419
  - ☒ 2. ₹317
  - ☒ 3. ₹268
  - ☒ 4. ₹357

Question ID : 8161612157

Status : Answered

Chosen Option : 4

Q.9 Select the number that can replace the question mark (?) in the following series.

88, 95, 106, 119, 136, 155, 178, ?

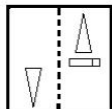
- Ans
- ☒ 1. 249
  - ☒ 2. 217
  - ☒ 3. 207
  - ☒ 4. 197

Question ID : 8161612162

Status : Answered

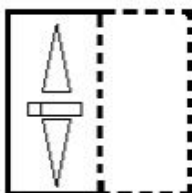
Chosen Option : 3

**Q.10** Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

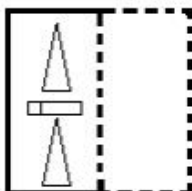


**Ans**

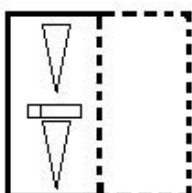
✓ 1.



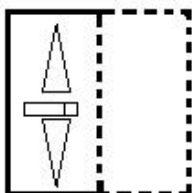
✗ 2.



✗ 3.



✗ 4.



Question ID : 8161612179

Status : Answered

Chosen Option : 1

**Q.11** 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.

LZ : OA :: UR : ?

**Ans**

✗ 1. GK

✗ 2. HB

✓ 3. FI

✗ 4. FS

Question ID : 8161612167

Status : Answered

Chosen Option : 3

Q.12 Select the letter-cluster that can replace the question mark (?) in the following series.

EQM, GRL, ISK, KTJ, ?

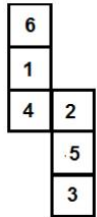
- Ans
- ☒ 1. NUS
  - ☒ 2. MTJ
  - ☒ 3. MUI
  - ☒ 4. MVR

Question ID : 8161612169

Status : Not Answered

Chosen Option : --

Q.13 A cube is made by folding the given sheet. In the cube so formed, which number would be on the face opposite to the one showing '5'?



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

Question ID : 8161612175

Status : Answered

Chosen Option : 2

Q.14 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. AFK
  - ☒ 2. BGL
  - ☒ 3. PUZ
  - ☒ 4. NSW

Question ID : 8161612172

Status : Answered

Chosen Option : 4

Q.15 In a certain code language, 'TENDER' is coded as '185414520'. How will 'REQUESTED' be coded as in that language?

- Ans
- ☒ 1. 45201952117518
  - ☒ 2. 45221942116518
  - ☒ 3. 65101852117516
  - ☒ 4. 45203952017558

Question ID : 8161612166

Status : Not Answered

Chosen Option : --

**Q.16** Select the option in which the numbers are related in the same way as are the numbers in the given set.

(15, 49, 201)

- Ans
- ☒ 1. (17, 55, 220)
  - ☒ 2. (18, 58, 290)
  - ☒ 3. (24, 76, 307)
  - ☒ 4. (29, 91, 369)

Question ID : **8161612161**  
Status : **Not Answered**  
Chosen Option : --

**Q.17** Select the option in which the numbers are related in the same way as are the numbers in the given set.

(15, 556, 331)

- Ans
- ☒ 1. (12, 228, 74)
  - ☒ 2. (17, 495, 104)
  - ☒ 3. (4, 331, 305)
  - ☒ 4. (9, 159, 78)

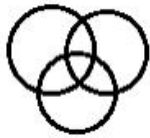
Question ID : **8161612160**  
Status : **Not Answered**  
Chosen Option : --

**Q.18** Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

- Ans
- ☒ 1. 7 : 343
  - ☒ 2. 3 : 27
  - ☒ 3. 12 : 1757
  - ☒ 4. 11 : 1331

Question ID : **8161612163**  
Status : **Answered**  
Chosen Option : **3**

Q.19 Which of the following options best represents the given Venn diagram?



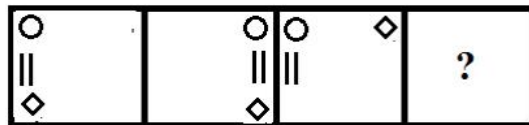
- Ans
- ☒ 1. Mothers, Females, Aunts
  - ☒ 2. Mothers, Sisters, Daughters
  - ☒ 3. Fathers, Nurses, Males
  - ☒ 4. Accountants, Literates, Human beings

Question ID : 8161612181

Status : Not Answered

Chosen Option : --

Q.20 Select the option figure that can replace the question mark (?) in the following figure series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 8161612176

Status : Answered

Chosen Option : 4

**Q.21** In a certain code language, 'SECTION' is written as 'PHZQLRK'. How will 'HOSTELS' be written as in that language?

- Ans**
- ☒ 1. EQPSHIP
  - ☒ 2. ERPRGIP
  - ☒ 3. ERPQHIP
  - ☒ 4. FSPQHIQ

Question ID : 8161612165

Status : Answered

Chosen Option : 3

**Q.22** 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 conclusions logically follow(s) from the statements.

**Statements:**

1. Some computers are phones.
2. All phones are televisions.

**Conclusions:**

- I. Some phones are computers.
- II. Some televisions are computers.
- III. No television is a computer.

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

Question ID : 8161612174

Status : Answered

Chosen Option : 4

**Q.23** Select the correct mirror image of the given number-cluster when a mirror is placed on the right side of the cluster.

**9 5 6 4 3 7**

- Ans**
- ☒ 1. 7 3 4 6 5 9
  - ☒ 2. 7 3 4 6 5 9
  - ☒ 3. 7 3 4 9 5 9
  - ☒ 4. 7 3 4 6 5 9

Question ID : 8161612180

Status : Answered

Chosen Option : 2



Q.24 'Human-beings' is related to 'Mammals' in the same way as 'Snake' is related to '\_\_\_\_\_'.  
Ans

- ☐ 1. Mammals
- ☒ 2. Reptile
- ☐ 3. Amphibian
- ☐ 4. Non-chordates

Question ID : 8161612168  
Status : Answered  
Chosen Option : 2

Q.25 Select the option in which the words share the same relationship as that shared by the given pair of words.

Weight : Kilogram

- Ans
- ☐ 1. Height : Length
  - ☐ 2. Distance : Hertz
  - ☒ 3. Resistance : Ohm
  - ☐ 4. Time : Clock

Question ID : 8161612171  
Status : Answered  
Chosen Option : 3

Section : Quantitative Aptitude(Basic Arithmetic Skill)

Q.1 A sum of ₹12,000 was taken at simple interest at some rate. After four months, ₹6,000 more was added and the total principal was charged at double the earlier rate of interest. At the end of the year, if the total interest was ₹2,800, what was the initial rate of interest?

- Ans
- ☐ 1. 16%
  - ☐ 2. 14%
  - ☐ 3. 12%
  - ☒ 4. 10%

Question ID : 8161612190  
Status : Answered  
Chosen Option : 1

Q.2 5 men and 8 women can complete a task in 34 days, whereas 4 men and 18 women can complete the same task in 28 days. In how many days can the same task be completed by 3 men and 5 women?

- Ans
- ☐ 1. 64
  - ☐ 2. 36
  - ☒ 3. 56
  - ☐ 4. 72

Question ID : 8161612182  
Status : Not Answered  
Chosen Option : --

Q.3

If  $A = \left[ \frac{3}{7} \text{ of } 4\frac{1}{5} \div \frac{18}{25} + \frac{17}{24} \right] \text{ of } \left[ \frac{289}{16} \div \left( \frac{3}{4} + \frac{2}{3} \right)^2 \right]$ , then the value of  $8A$  is:

- Ans
- ☒ 1. 132
  - ☒ 2. 321
  - ☒ 3. 231
  - ☒ 4. 213

Question ID : 8161612199

Status : Answered

Chosen Option : 3

Q.4 A sells an item at 20% profit to B, B sells the same at 10% profit to C and receives ₹1,32,000.0. Had C purchased the same item from A, he would have spent 5% less than what he spent with B. What profit would A have made then?

- Ans
- ☒ 1. ₹24,540
  - ☒ 2. ₹25,540
  - ☒ 3. ₹25,400
  - ☒ 4. ₹24,450

Question ID : 8161612188

Status : Not Answered

Chosen Option : --

Q.5

If  $A = 2(\sin^6 \theta + \cos^6 \theta) - 3(\sin^4 \theta + \cos^4 \theta)$  then the value of  $3\alpha$  such that  $\cos \alpha = \sqrt{\frac{3+A}{5+A}}$  is:

- Ans
- ☒ 1.  $180^\circ$
  - ☒ 2.  $90^\circ$
  - ☒ 3.  $45^\circ$
  - ☒ 4.  $135^\circ$

Question ID : 8161612202

Status : Not Answered

Chosen Option : --

Q.6

The value of  $\left( a^{\frac{2}{3}} + 2a^{\frac{1}{2}} + 3a^{\frac{1}{3}} + 2a^{\frac{1}{6}} + 1 \right) \left( a^{\frac{1}{3}} - 2a^{\frac{1}{6}} + 1 \right) - a^{\frac{1}{2}} \left( a^{\frac{1}{2}} - 2 \right)$ , when  $a=7$ , is:

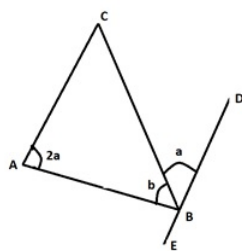
- Ans
- ☒ 1. 0
  - ☒ 2. 7
  - ☒ 3.  $\sqrt{7}$
  - ☒ 4. 1

Question ID : 8161612197

Status : Not Answered

Chosen Option : --

Q.7 In the given figure, if AC, DE are parallel and  $\angle CAB = 38^\circ$ , then the value of  $\angle ABC + 5\angle CBD$  is:



- Ans
- ☒ 1.  $178^\circ$
  - ☒ 2.  $196^\circ$
  - ☒ 3.  $158^\circ$
  - ☒ 4.  $218^\circ$

Question ID : 8161612193

Status : Not Answered

Chosen Option : --

Q.8

The value of  $\left[ \frac{\sqrt{3} + 2\sin P}{1 - 2\cos P} \right]^3 + \left[ \frac{1 + 2\cos P}{\sqrt{3} - 2\sin P} \right]^3$  is:

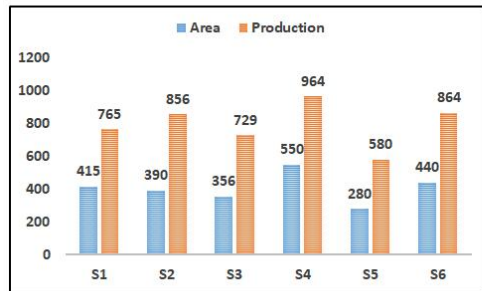
- Ans
- ☒ 1. 1
  - ☒ 2.  $\sin P \cos P$
  - ☒ 3.  $2\sin P \cos P$
  - ☒ 4. 0

Question ID : 8161612200





Status : Not Answered

Chosen Option : --

**Q.9** The following graph shows the production of paddy in the agricultural land available the 6 places S1, S2, S3, S4, S5, S6 (area in hundreds of hectares and production in thousands of tonnes)



Based on the information, the production ratio (production to land) is highest and lowest, respectively, in:

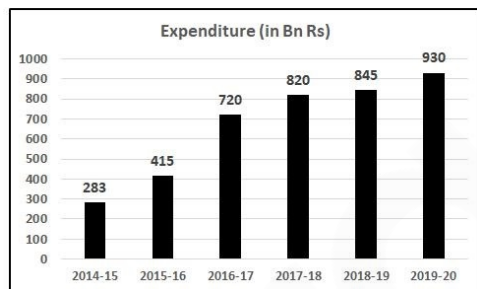
- Ans**  1. S2, S4  
 2. S2, S1  
 3. S3, S6  
 4. S5, S3

Question ID : 8161612206

Status : Answered

Chosen Option : 1

**Q.10** The following graph shows the expenditure on education sector by Indian government for the years-2014 -15 to 2019- 20



If the government plans to increase the expenditure by 30% on the average of the expenditures in 2016-17, 2017-18, 2018-19, then the approximate amount (in billions of rupees) to be spent in 2020-21 is:

- Ans**  1. ₹1,129.5  
 2. ₹1,033.5  
 3. ₹1,087.3  
 4. ₹1,162.6

Question ID : 8161612203

Status : Answered

Chosen Option : 2

**Q.11** A cylindrical vessel with radius 6 cm and height 5 cm is to be made by melting a number of spherical metal balls of diameter 2 cm. The minimum number of balls needed is:

- Ans ☒ 1. 115  
☒ 2. 105  
☒ 3. 125  
☒ 4. 135

Question ID : 8161612184

Status : Answered

Chosen Option : 4

**Q.12** A person purchases 40 items at ₹10 each. He sells a part of them at 25% profit and the remaining at 10% loss. The net profit is 4% in this transaction. The number of items he sold at a loss, is:

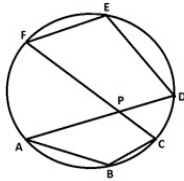
- Ans ☒ 1. 24  
☒ 2. 18  
☒ 3. 16  
☒ 4. 22

Question ID : 8161612186

Status : Answered

Chosen Option : 1

**Q.13** In the following figure, if angles  $\angle ABC = 95^\circ$   $\angle FED = 115^\circ$  (not to scale). Then the angle  $\angle APC$  is equal to:



- Ans ☒ 1.  $135^\circ$   
☒ 2.  $155^\circ$   
☒ 3.  $120^\circ$   
☒ 4.  $150^\circ$

Question ID : 8161612191

Status : Not Answered

Chosen Option : --

**Q.14** The average of 35 consecutive natural numbers is N. Dropping the first 10 numbers and including the next 10 numbers, the average is changed to M. If the value of  $M^2 - N^2 = 600$ , then the average of  $3M$  and  $5N$  is:

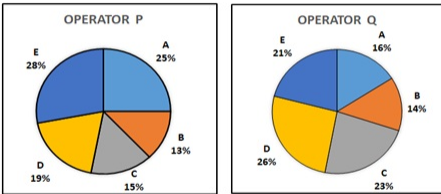
- Ans ☒ 1. 115  
☒ 2. 100  
☒ 3. 120  
☒ 4. 90

Question ID : 8161612185

Status : Answered

Chosen Option : 1

**Q.15** The percentage of customers of two network operators P and Q across the cities A, B, C, D, E is shown in the given pie charts.



Based on the information in the pie charts, if the customers of operator P are 3.6 lakhs, and the customers of operator Q are 4.2 lakhs, then in the city C, the positive difference between the customers of the operators is:

- Ans**
- ☒ 1. 48,000
  - ☒ 2. 52,000
  - ☒ 3. 44,500
  - ☒ 4. 42,600

Question ID : 8161612204

Status : Answered

Chosen Option : 4

**Q.16** Which of the following numbers is divisible by 6?

- Ans**
- ☒ 1. 23,408
  - ☒ 2. 43,923
  - ☒ 3. 1,00,246
  - ☒ 4. 3,49,722

Question ID : 8161612198

Status : Answered

Chosen Option : 4

**Q.17** A man purchased a car for ₹12 lakhs and was insured for 80% of the cost. He sold the car at a 15% loss, but had not yet delivered it to the buyer when he met with an accident. After the accident, the car was damaged a lot and the insurance company paid 90% of the insured amount. The net difference in the two transactions is:

- Ans**
- ☒ 1. ₹88 lakhs
  - ☒ 2. ₹1.38 lakhs
  - ☒ 3. ₹1.56 lakhs
  - ☒ 4. ₹92 lakhs

Question ID : 8161612187

Status : Answered

Chosen Option : 3

Q.18 If  $117 \cos^2 A + 129 \sin^2 A = 120$  and  $170 \cos^2 B + 158 \sin^2 B = 161$ , then the value of  $\operatorname{Cosec}^2 A \sec^2 B$  is:

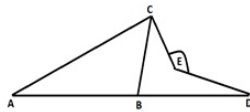
- Ans
- ☒ 1. 4
  - ☒ 2. 9
  - ☒ 3. 1
  - ☒ 4. 16

Question ID : 8161612201

Status : Not Answered

Chosen Option : --

Q.19 If in the given figure,  $\angle ACB + \angle BAC = 80^\circ$ ;  $\angle BDE = 35^\circ$ ;  $\angle BCE = 45^\circ$ , then the marked angle  $\angle CED$  is:



- Ans
- ☒ 1.  $120^\circ$
  - ☒ 2.  $160^\circ$
  - ☒ 3.  $135^\circ$
  - ☒ 4.  $150^\circ$

Question ID : 8161612192

Status : Not Answered

Chosen Option : --

Q.20 The distance between two railway stations is 1176 km. To cover this distance, an express train takes 5 hours less than a passenger train while the average speed of the passenger train is 70 km/h less than that of the express train. The time taken by the passenger train to complete the travel is:

- Ans
- ☒ 1. 17 hours
  - ☒ 2. 12 hours
  - ☒ 3. 18 hours
  - ☒ 4. 23 hours

Question ID : 8161612183

Status : Not Answered

Chosen Option : --

Q.21

The value of  $\frac{1}{(9-4\sqrt{5})^2} + \frac{1}{(9+4\sqrt{5})^2}$  is:

- Ans
- ☒ 1. 246
  - ☒ 2. 286
  - ☒ 3. 424
  - ☒ 4. 322

Question ID : 8161612195

Status : Not Answered

Chosen Option : --

Q.22 If  $2145 : x :: 3003 : 42$ , then the value of  $y$  so that  $x : 2508 :: y : 11704$ , is:

- Ans
- ☒ 1. 140
  - ☒ 2. 156
  - ☒ 3. 96
  - ☒ 4. 212

Question ID : 8161612189

Status : Answered

Chosen Option : 3

Q.23 If,  $2^{x+y-2z} = 8^{8z-5-y}$ ;  $5^{4y-6z} = 25^{y+z}$ ;  $3^{4x-3z} = 9^{x+z}$  then the value of  $2x + 3y + 5z$  is:

- Ans
- ☒ 1. 32
  - ☒ 2. 56
  - ☒ 3. 28
  - ☒ 4. 44

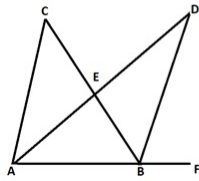
Question ID : 8161612196

Status : Answered

Chosen Option : 4



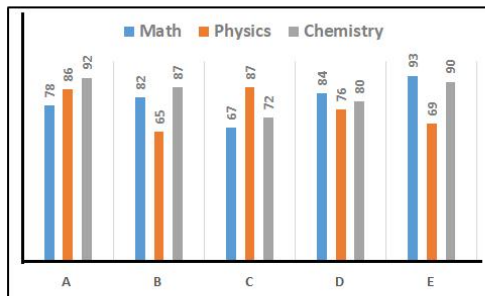
**Q.24** In the given figure, AD is bisector of angle  $\angle CAB$  and BD is bisector of angle  $\angle CBF$ . If the angle at C is  $34^\circ$ , the angle  $\angle ADB$  is:



- Ans ☒ 1.  $17^\circ$   
☒ 2.  $32^\circ$   
☒ 3.  $34^\circ$   
☒ 4.  $16^\circ$

Question ID : 8161612194  
 Status : Not Answered  
 Chosen Option : --

**Q.25** The following graph gives the performance of five students A, B, C, D, E in Math, Physics and Chemistry.



Based on the given information - considering that a performance is based on the difficulty level of the paper, which of the following statements is correct?

- Ans ☒ 1. Physics is easier for C than for B and E  
☒ 2. For D, all subjects are of the same difficulty  
☒ 3.  
 For C, Math is the most difficult and Chemistry is the easiest  
☒ 4. Math is easier for B than for E and A

Question ID : 8161612205  
 Status : Answered  
 Chosen Option : 4

Q.1 Which law states that the volume of an ideal gas at constant pressure is directly proportional to the absolute temperature?

- Ans
- ☒ 1. Boyle's law
  - ☒ 2. Joule's law
  - ☒ 3. Charles's law
  - ☒ 4. Avogadro's law

Question ID : 8161612218

Status : Not Answered

Chosen Option : --

Q.2 The novel 'Quichotte' was shortlisted for the '2019 Booker Prize'. Who is the author of this book?

- Ans
- ☒ 1. Arundhati Roy
  - ☒ 2. Salman Rushdie
  - ☒ 3. Vikram Seth
  - ☒ 4. Amitav Ghosh

Question ID : 8161612226

Status : Answered

Chosen Option : 1

Q.3 In which battle did Ahmad Shah Abdali defeat the Marathas?

- Ans
- ☒ 1. Battle of Buxar
  - ☒ 2. Battle of Khanwa
  - ☒ 3. First battle of Tarain
  - ☒ 4. Third battle of Panipat

Question ID : 8161612223

Status : Answered

Chosen Option : 4

Q.4 Who is the only Indian to have won the United Nations Award in the field of human rights?

- Ans
- ☒ 1. Baba Amte
  - ☒ 2. Kanshi Ram
  - ☒ 3. Verghese Kurien
  - ☒ 4. Ela Bhatt

Question ID : 8161612225

Status : Not Answered

Chosen Option : --

Q.5 Who described the preamble of Indian Constitution as the 'Political horoscope of the Indian Constitution'?

- Ans ☒ 1. Kanhaiyalal Maniklal Munshi  
☐ 2. Bhimrao Ramji Ambedkar  
☐ 3. Thakurdas Bhargav  
☐ 4. NA Palkhiwala

Question ID : 8161612227  
Status : Answered  
Chosen Option : 2

Q.6 Who threw a bomb in the central legislative assembly along with Bhagat Singh to protest against the Public Safety Bill in 1929?

- Ans ☒ 1. Batukeshwar Dutt  
☐ 2. Rajguru  
☐ 3. Subhash Chandra Bose  
☐ 4. Chandra Shekhar Azad

Question ID : 8161612224  
Status : Answered  
Chosen Option : 4

Q.7 What is the full form of PROM?

- Ans ☒ 1. Programmable read-only memory  
☐ 2. Program read-only memory  
☐ 3. Primary read-only memory  
☐ 4. Program read-output memory

Question ID : 8161612207  
Status : Answered  
Chosen Option : 1

Q.8 How many districts of Uttar Pradesh started the second phase of Mission Indradhanush 2.0 at the block level on 7 January 2020?

- Ans ☐ 1. 25  
☐ 2. 40  
☒ 3. 35  
☐ 4. 30

Question ID : 8161612211  
Status : Not Answered  
Chosen Option : --

Q.9 Which of the following state's legislative assembly adopted a redesigned logo consisting of the National Emblem and the State flower - the Foxtail Orchid (*Rhynchosyris Retusa*) on 9 January 2020?

- Ans
- ☒ 1. Chhattisgarh Legislative Assembly
  - ☒ 2. Jharkhand Legislative Assembly
  - ☒ 3. Arunachal Pradesh Legislative Assembly
  - ☒ 4. Kerala Legislative Assembly

Question ID : 8161612212  
Status : Answered  
Chosen Option : 3

Q.10 Who was the first Asian player to win the Junior Wimbledon's Boys singles title?

- Ans
- ☒ 1. Ramanathan Krishnan
  - ☒ 2. Vijay Amritraj
  - ☒ 3. Sumit Nagal
  - ☒ 4. Mahesh Bhupathi

Question ID : 8161612229  
Status : Not Answered  
Chosen Option : --

Q.11 Which of the following eye disorders is known as 'lazy eye'?

- Ans
- ☒ 1. Myopia
  - ☒ 2. Presbyopia
  - ☒ 3. Amblyopia
  - ☒ 4. Hypermetropia

Question ID : 8161612217  
Status : Not Answered  
Chosen Option : --

Q.12 The December 1929 session of Congress, in which the resolution for 'Poorna Swaraj' was passed, was presided over by:

- Ans
- ☒ 1. Vallabhbhai Patel
  - ☒ 2. CR Das
  - ☒ 3. Subhash Chandra Bose
  - ☒ 4. Jawaharlal Nehru

Question ID : 8161612208  
Status : Answered  
Chosen Option : 4

Q.13 Which is the tallest waterfall of India with a height of 1,493 ft?

- Ans
- ☒ 1. Barkana Falls, Karnataka
  - ☒ 2. Thalaiyar Falls, Tamil Nadu
  - ☒ 3. Kunchikal Falls, Karnataka
  - ☒ 4. Meenmutty Falls, Kerala

Question ID : 8161612220  
Status : Not Answered  
Chosen Option : --

Q.14 In which year did UNESCO include Yoga in its Intangible Cultural Heritage list?

- Ans
- ☒ 1. 2014
  - ☒ 2. 2015
  - ☒ 3. 2018
  - ☒ 4. 2016

Question ID : 8161612210  
Status : Answered  
Chosen Option : 3

Q.15 Which company was ranked as the largest profit making PSU in India for the fiscal year 2018-2019?

- Ans
- ☒ 1. Power Finance Corporation
  - ☒ 2. Oil & Natural Gas Corporation
  - ☒ 3. Indian Oil
  - ☒ 4. Power Grid Corporation

Question ID : 8161612215  
Status : Answered  
Chosen Option : 4

Q.16 'Mayurbhanj Chhau' is a folk dance form of which state?

- Ans
- ☒ 1. Karnataka
  - ☒ 2. Odisha
  - ☒ 3. Maharashtra
  - ☒ 4. Rajasthan

Question ID : 8161612209  
Status : Answered  
Chosen Option : 2

Q.17 Who is known as the 'Father of Public Sector Undertakings' in India?

- Ans
- ☒ 1. Prasanta Chandra Mahalanobis
  - ☒ 2. V Krishnamurthy
  - ☒ 3. Ashok Desai
  - ☒ 4. Sashi Sivramkrishna

Question ID : 8161612214  
Status : Not Answered  
Chosen Option : --

Q.18 On 30 October 2019, CBSE and NCERT, New Delhi developed an Aptitude Test for Senior School Students. What is the name of that test?

- Ans
- ☒ 1. Udaan
  - ☒ 2. Tamanna
  - ☒ 3. Akanksha
  - ☒ 4. Lakshya

Question ID : 8161612213  
Status : Answered  
Chosen Option : 4

Q.19 Which sanctuary is famous for endangered Estuarine Crocodiles conservation in India?

- Ans
- ☒ 1. Dandeli Wildlife Sanctuary, Karnataka
  - ☒ 2. Bhitarkanika Wildlife Sanctuary, Odisha
  - ☒ 3. Indira Gandhi Wildlife Sanctuary
  - ☒ 4. Chinnar Wildlife Sanctuary, Kerala

Question ID : 8161612222  
Status : Answered  
Chosen Option : 2

Q.20 Garo-Khasi range is located in which Indian state?

- Ans
- ☒ 1. Meghalaya
  - ☒ 2. Odisha
  - ☒ 3. Sikkim
  - ☒ 4. Mizoram

Question ID : 8161612219  
Status : Answered  
Chosen Option : 1

Q.21 With reference to metals and their ores, which of the following pairs is INCORRECT?

- Ans ☒ 1. Mercury (Hg) – Greenockite  
☐ 2. Gold (Au) – Calaverite  
☐ 3. Cobalt (Co) – Smelite  
☐ 4. Aluminium (Al) – Cryolite

Question ID : 8161612216  
Status : Not Answered  
Chosen Option : --

Q.22 On August 2019, Rambir Singh Khokhar won the 'Dronacharya award' in the lifetime category for his contribution in \_\_\_\_.

- Ans ☐ 1. Hockey  
☒ 2. Kabaddi  
☐ 3. Boxing  
☐ 4. Football

Question ID : 8161612231  
Status : Not Answered  
Chosen Option : --

Q.23 Which Indian social activist and politician led the Self-Respect Movement or Dravidian Movement against Brahminism?

- Ans ☐ 1. P Theagaraya Chetty  
☐ 2. C Annadurai  
☐ 3. C Rajagopalachari  
☒ 4. Erode Venkatappa Ramasamy

Question ID : 8161612228  
Status : Answered  
Chosen Option : 2

Q.24 Which river originates from Tibet and enters India through Arunachal Pradesh?

- Ans ☐ 1. Chambal River  
☐ 2. Kaveri River  
☒ 3. Brahmaputra River  
☐ 4. Godavari River

Question ID : 8161612221  
Status : Answered  
Chosen Option : 3

Q.25 Who won the 'Most Valuable Player of the Series' award in IPL 2019?

- Ans
- ☒ 1. Shubman Gill
  - ☒ 2. KL Rahul
  - ☒ 3. Andre Russell
  - ☒ 4. David Warner

Question ID : **8161612230**  
Status : **Not Answered**  
Chosen Option : --