

## Combined Higher Secondary Level Examination 2019 Tier I

|                |                   |
|----------------|-------------------|
| Roll Number    |                   |
| Candidate Name |                   |
| Venue Name     | TCS Gito Bitan    |
| Exam Date      | 21/10/2020        |
| Exam Time      | 1:00 PM - 2:00 PM |
| Subject        | CHSL Tier 1       |

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Section : English Language (Basic Knowledge)

Q.1 Select the INCORRECTLY spelt word.

Ans  1. Pnemonia

2. Deviation

3. Miscellaneous

4. Preamble

Question ID : 8161613261

Status : Answered

Chosen Option : 1

Q.2 Select the word that means the same as the given group of words.

A person weak and disabled by illness

Ans  1. Athlete

2. Invalid

3. Activist

4. Petitioner

Question ID : 8161613262

Status : Answered

Chosen Option : 2

Q.3 Select the most appropriate word to fill in the blank.

The police used tear gas to \_\_\_\_\_ the crowd.

Ans  1. attack

2. disburse

3. collect

4. disperse

Question ID : 8161613266

Status : Answered

Chosen Option : 4

Q.4 Select the most appropriate meaning of the given idiom.

Take something with a pinch of salt

Ans

- 1. To think of oneself as always right
- 2. To consider everyone a liar
- 3. To believe only part of something
- 4. To take long to understand what is being said

Question ID : 8161613259

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.

All her life Ms. Foster had a great fear of missing a train, a plane, a boat or (1)\_\_\_\_\_ a theatre curtain. In other respects, she was not a (2)\_\_\_\_\_ nervous woman. But the mere thought of (3)\_\_\_\_\_ on occasions like these would throw her (4)\_\_\_\_\_ such a nervous state that a tiny muscle in the corner of her left eye would (5)\_\_\_\_\_ twitch .This would disappear once she had boarded the plane etc.

**SubQuestion No : 5**

**Q.5 Select the most appropriate option for blank No. 1.**

Ans

- 1. hardly
- 2. even
- 3. extremely
- 4. quite

Question ID : 8161613247

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.

All her life Ms. Foster had a great fear of missing a train, a plane, a boat or (1)\_\_\_\_\_ a theatre curtain. In other respects, she was not a (2)\_\_\_\_\_ nervous woman. But the mere thought of (3)\_\_\_\_\_ on occasions like these would throw her (4)\_\_\_\_\_ such a nervous state that a tiny muscle in the corner of her left eye would (5)\_\_\_\_\_ twitch .This would disappear once she had boarded the plane etc.

**SubQuestion No : 6**

**Q.6 Select the most appropriate option for blank No. 2.**

Ans

- 1. particularly
- 2. usual
- 3. general
- 4. particular

Question ID : 8161613248

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.

All her life Ms. Foster had a great fear of missing a train, a plane, a boat or (1)\_\_\_\_\_ a theatre curtain. In other respects, she was not a (2)\_\_\_\_\_ nervous woman. But the mere thought of (3)\_\_\_\_\_ on occasions like these would throw her (4)\_\_\_\_\_ such a nervous state that a tiny muscle in the corner of her left eye would (5)\_\_\_\_\_ twitch .This would disappear once she had boarded the plane etc.

**SubQuestion No : 7**

**Q.7 Select the most appropriate option for blank No. 3.**

- Ans  1. being late  
 2. be later  
 3. be late  
 4. being later

Question ID : 8161613249

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.

All her life Ms. Foster had a great fear of missing a train, a plane, a boat or (1)\_\_\_\_\_ a theatre curtain. In other respects, she was not a (2)\_\_\_\_\_ nervous woman. But the mere thought of (3)\_\_\_\_\_ on occasions like these would throw her (4)\_\_\_\_\_ such a nervous state that a tiny muscle in the corner of her left eye would (5)\_\_\_\_\_ twitch .This would disappear once she had boarded the plane etc.

**SubQuestion No : 8**

**Q.8 Select the most appropriate option for blank No. 4.**

- Ans  1. away  
 2. into  
 3. up  
 4. in

Question ID : 8161613250

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.

All her life Ms. Foster had a great fear of missing a train, a plane, a boat or (1)\_\_\_\_\_ a theatre curtain. In other respects, she was not a (2)\_\_\_\_\_ nervous woman. But the mere thought of (3)\_\_\_\_\_ on occasions like these would throw her (4)\_\_\_\_\_ such a nervous state that a tiny muscle in the corner of her left eye would (5)\_\_\_\_\_ twitch .This would disappear once she had boarded the plane etc.

**SubQuestion No : 9**

**Q.9** Select the most appropriate option for blank No. 5.

- Ans
- 1. begun over
  - 2. begun to
  - 3. begin to
  - 4. begin over

Question ID : 8161613251

Status : Answered

Chosen Option : 3

**Q.10** Select the most appropriate word to fill in the blank.

Ritu is an \_\_\_\_\_ reader. I always find her with a book.

- Ans
- 1. irritated
  - 2. avid
  - 3. inattentive
  - 4. erratic

Question ID : 8161613267

Status : Answered

Chosen Option : 2

**Q.11** 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'.

For the last two years Shweta has being diligently working with Rohingya refugees to create colourful table mats using their local weaving techniques.

- Ans
- 1. have been
  - 2. have being
  - 3. No improvement
  - 4. has been

Question ID : 8161613254

Status : Answered

Chosen Option : 4

Q.12 Given below are four jumbled sentences. Pick the option that gives their correct order.

- A. Finally, she takes the decision to go searching for livelihood in the nearby town.
- B. They are: Lakua and his wife, Nathuni.
- C. The latter, burdened with a paralytic husband and two children, battles to survive.
- D. The film 'Wayfarers' narrates the journey of a poor couple in Jharkhand.

- Ans
- 1. DBCA
  - 2. DBAC
  - 3. CDAB
  - 4. BACD

Question ID : 8161613253  
Status : Answered  
Chosen Option : 1

Q.13 In the sentence identify the segment which contains the grammatical error.

You must make a choice immediately because there is few time left.

- Ans
- 1. a choice immediately
  - 2. because there is
  - 3. few time left
  - 4. You must make

Question ID : 8161613245  
Status : Answered  
Chosen Option : 3

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

Happening every two years

- Ans
- 1. Biannual
  - 2. Biennial
  - 3. Centennial
  - 4. Triennial

Question ID : 8161613263  
Status : Answered  
Chosen Option : 2

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

PROLIFIC

Ans

- 1. Unproductive
- 2. Abundant
- 3. Several
- 4. Rich

Question ID : 8161613256

Status : Answered

Q.16 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 Delhi Birla International School alumnus occupy leading positions in different areas of profession and service.

Ans

- 1. alumni occupy
- 2. alumnus occupying
- 3. alumnus occupies
- 4. No improvement

Question ID : 8161613255

Status : Answered

Chosen Option : 3

Q.17 Select the most appropriate meaning of the given idiom.

Full of sound and fury

Ans

- 1. An angry and unruly mob
- 2. Someone who gets angry very quickly
- 3. Merely loud and angry words but ineffective
- 4. A fiery and effective speaker

Question ID : 8161613258





Status : Marked For Review

Chosen Option : 3

Q.18 Given below are four jumbled sentences. Pick the option that gives their correct order.

- A. The Emperor would view the comic acts from the jharokha, a special window of his palace.
- B. On the festival of Holi, the Emperor was entertained with mimicry, impersonation and play-acting.
- C. Bahadur Shah Jafar's life and times are described in a book called 'City of my heart.'
- D. Finally, the most talented of the performers would be generously awarded by the king.

Ans

-  1. ADBC
-  2. CBAD
-  3. DACB
-  4. CDBA

Question ID : 8161613252

Status : Answered

Chosen Option : 2

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Q.19 Select the correct passive form of the given sentence.

Chhattisgarh organised the first ever 'All India Folk Dance Festival' in January 2020.

- Ans1.** The first ever 'All India Folk Dance Festival' was organised by the Chhattisgarh State in January 2020.
- 2. The first ever 'All India Folk Dance Festival' was being organised by the ChhattisgarhState in January 2020.
- 3. The first ever 'All India Folk Dance Festival' had been organised by the ChhattisgarhState in January 2020.
- 4. The first ever 'All India Folk Dance Festival' will be organised by the ChhattisgarhState in January 2020.

Question ID : **8161613242**  
Status : **Answered**  
Chosen Option : **1**

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

**PEDIGREE**

- Ans
- 1. Forbidden
  - 2. Illegitimate
  - 3. Lineage
  - 4. Mongrel

Question ID : **8161613264**  
Status : **Marked For Review**  
Chosen Option : **3**

Q.21 In the sentence identify the segment which contains the grammatical error.

Subhash Gidwani is selling dolls, which are type of Madhya Pradesh's village culture, at the Annual

Dastakar Bazaar, held in January every year in Delhi. Ans

Pradesh's village culture

- 1. which are type of Madhya Pradesh's village culture
- 2. held in January every year in Delhi
- 3. Subhash Gidwani is selling dolls
- 4. in the annual Dastakar Bazaar

Question ID : **8161613244**  
Status : **Answered**  
Chosen Option : **1**

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

CONGENIAL

Ans

- 1. Compatible
- 2. Bombastic
- 3. Aloof
- 4. Servile

Question ID : 8161613265  
Status : Marked For Review  
Chosen Option : 1

Q.23 Select the correct indirect form of given sentence.

The foreigner said to the farmer, "Can you tell me the way to the nearest hotel?"

- 1. The foreigner exclaimed with the farmer if he could tell him the way to the nearest hotel.
- 2. The foreigner suggested the farmer if he could tell him the way to the nearest hotel.
- 3. The foreigner enquired of the farmer if he could tell him the way to the nearest hotel.
- 4. The foreigner told the farmer if he could tell him the way to the nearest hotel.

Question ID : 8161613243  
Status : Answered  
Chosen Option : 3

Q.24 Select the most appropriate ANTONYM of the given word.

PACIFIST

Ans

- 1. Orator
- 2. Peace-maker
- 3. Warmonger
- 4. Nihilist

Question ID : 8161613257  
Status : Answered  
Chosen Option : 3

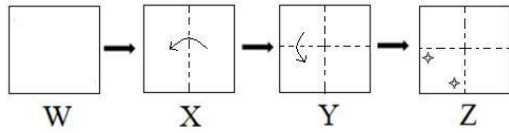
Q.25 Select the INCORRECTLY spelt word.

Ans

- 1. Expanse
- 2. Resultant
- 3. Constraint
- 4. Conscentious

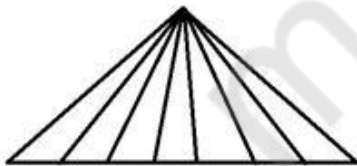
Question ID : 8161613260  
Status : Answered  
Chosen Option : 1

**Q.1** 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?



Question ID : 8161613290  
 Status : Answered  
 Chosen Option : 1

**Q.2** How many triangles are there in the following figure?



- ✗ 14 <sup>1.</sup>
- ✗ 20 <sup>2.</sup>
- ✗ 24 <sup>3.</sup>
- ✓ 28 <sup>4.</sup>

Question ID : 8161613288  
 Status : Answered  
 Chosen Option : 1

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

dabx \_ dab \_ \_ d \_ b \_ xdab \_ x \_

axdaxxd 1.

xxxaxxd 2.

xxcbxad 3.

dxadadd 4.

Question ID : 8161613280

Status : Answered

Chosen Option : 2

**Q.4** Select the correct combination of mathematical signs to replace 'A' sequentially and balance the following equation.

**Ans** 40 A 2 A 3 A 4 A 15

÷, ×, =, - 1.

÷, ×, =, × 2.

×, ÷, +, = 3.

×, =, -, ÷ 4.

Question ID : 8161613269

Status : Answered

Chosen Option : 2

**Q.5** In a certain code language, 'TRAFFIC' is written as 'VTCHHKE'. How will 'POLICE' be written as in that language?

**Ans**  RQNKEG 1.

RMNGEC 2.

ONKHBD 3.

RMJGEC 4.

Question ID : 8161613276

Status : Answered

Chosen Option : 1

**Q.6** In a certain code language, 'TELEVISION' is written as 'OPJTJWFMFU'. How will 'REMOTE' be written as in that

**Ans** language?

SFNPUF 1.

PUPFNS 2.

FUPNFS 3.

ETOMER 4.

Question ID : 8161613277

Status : Answered

Chosen Option : 3


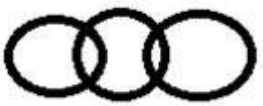
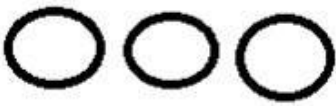

**Q.7** The rate of onion increased from ₹70 per kilogram to ₹120 per kilogram within a month. By what percentage (approximate) did the rate of onion increase?

- 75.2% <sub>1.</sub>
- 65% <sub>2.</sub>
- 80% <sub>3.</sub>
- 71.5% <sub>4.</sub>

Question ID : **8161613268**  
Status : **Answered**  
Chosen Option : **4**

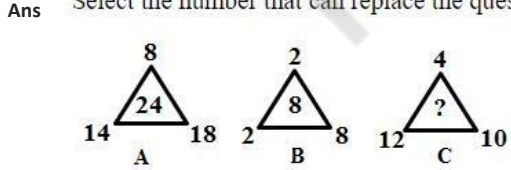
**Q.8** Select the Venn diagram that best represents the relationship between the following classes.

**Ans** Dirham, USD, Currency

- 1. 
- 2. 
- 3. 
- 4. 

Question ID : **8161613292**  
Status : **Answered**  
Chosen Option : **4**

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



- 6 <sub>1.</sub>
- 22 <sub>2.</sub>
- 2 <sub>3.</sub>
- 18 <sub>4.</sub>

Question ID : **8161613272**  
Status : **Answered**  
Chosen Option : **4**

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.

Q.10 COAT : APZV :: ROAD : ?

- Ans  PQZF <sup>1.</sup>  
 PPZF <sup>2.</sup>  
 TNCC <sup>3.</sup>  
 SPBE <sup>4.</sup>

Question ID : 8161613278

Status : Answered

Chosen Option : 2

Q.11 Introducing a boy, I said, "His mother is the only daughter of my mother in law". How am I related to the boy?

- Ans  Brother <sup>1.</sup>  
 Father <sup>2.</sup>  
 Nephew <sup>3.</sup>  
 Brother-in-law <sup>4.</sup>

Question ID : 8161613281

Status : Answered

Chosen Option : 2

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

Q.12 6, 7, 16, 51, 208, ?

- Ans  2000 <sup>1.</sup>  
 1250 <sup>2.</sup>  
 1045 <sup>3.</sup>  
 2570 <sup>4.</sup>

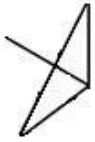
Question ID : 8161613273

Status : Answered

Chosen Option : 3

Select the option in which the given figure is embedded.

(Rotation is not allowed)



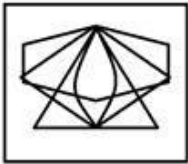
Q.13

1.



Ans

2.



3.



4.



Question ID : 8161613289

Status : Answered

Chosen Option : 3

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

Q.14 different.

Ans

676 1.

216 2.

125 3.

729 4.

Question ID : 8161613274

Status : Answered

Chosen Option : 1

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 follows from the statements.

**Statements:**

1. All malls are kings.
2. No king is a heater.

**Conclusions:**

I. No mall is a heater.

Q.15 II. All kings are malls.

- Ans
- Either conclusion I or II follows. **1.**
  - Only conclusion II follows. **2.**
  - Only conclusion I follows. **3.**
  - Neither conclusion I nor II follows. **4.**

Question ID : **8161613285**  
Status : **Answered**  
Chosen Option : **3**

Two different positions of the same dice shown here. Select the letter that will be on the face opposite to the one showing the letter 'C'.



Q.16

- Ans
- E **1.**
  - F **2.**
  - B **3.**
  - A **4.**

Question ID : **8161613286**  
Status : **Answered**  
Chosen Option : **2**

Select the option that is related to the third word in the same way as the second word is related to the first word.

Q.17 Time : Second :: Length : ?

- Ans
- Long **1.**
  - Distance **2.**
  - Meter **3.**
  - Measuring Rule **4.**

Question ID : **8161613279**  
Status : **Answered**  
Chosen Option : **3**



Select the option in which the numbers share the same relationship as that shared by the given number-pair.

Q.18 4 : 25

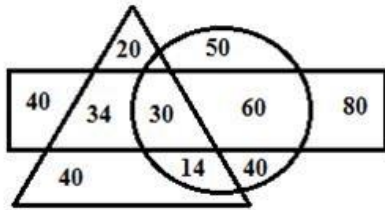
- Ans  12 : 120 <sub>1.</sub>  
 11 : 170 <sub>2.</sub>  
 6 : 36 <sub>3.</sub>  
 6 : 49 <sub>4.</sub>

Question ID : 8161613270

Status : Answered

Chosen Option : 4

Study the given Venn diagram carefully and answer the following question.



= Persons who use bike

= Persons who use car

= Persons who use bicycle

Q.19 How many persons use both a bicycle and a bike but not a car?

- Ans  30 <sub>1.</sub>  
 14 <sub>2.</sub>  
 34 <sub>3.</sub>  
 40 <sub>4.</sub>

Question ID : 8161613287

Status : Answered

Chosen Option : 3

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

Q.20 letter-cluster.

- Ans  HJSQ <sub>1.</sub>  
 BEYV <sub>2.</sub>  
 NOPE <sub>3.</sub>  
 MONL <sub>4.</sub>

Question ID : 8161613283

Status : Answered

Chosen Option : 3

Select the correct mirror image of the given figure.



Q.21



Ans



Question ID : 8161613291

Status : Answered

Chosen Option : 3

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



Q.22

425 1.

Ans

210 2.

225 3.

241 4.

Question ID : 8161613271

Status : Answered

Chosen Option : 3

Arrange the given words in a logical and meaningful sequence.

1. Earth
2. Saturn
3. Jupiter
4. Mercury
5. Venus
6. Mars

Q.23

- Ans
- 5, 4, 3, 2, 1, 6 <sub>1.</sub>
  - 4, 5, 1, 6, 3, 2 <sub>2.</sub>
  - 6, 3, 4, 1, 2, 5 <sub>3.</sub>
  - 3, 1, 4, 2, 5, 6 <sub>4.</sub>

Question ID : 8161613275

Status : Answered

Chosen Option : 2

Q.24 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

- Ans
- Istanbul <sub>1.</sub>
  - Maputo <sub>2.</sub>
  - London <sub>3.</sub>
  - Paris <sub>4.</sub>

Question ID : 8161613284

Status : Answered

Chosen Option : 2

Q.25 'TQUS' is related to 'UPVR' in the same way as 'FIRE' is related to \_\_\_\_\_.

- Ans
- GHSD <sub>1.</sub>
  - GIRG <sub>2.</sub>
  - GIRF <sub>3.</sub>
  - GHRD <sub>4.</sub>

Question ID : 8161613282

Status : Answered

Chosen Option : 1

Q.1

Ans

In a group of 150 people,  $\frac{2}{5}$  are men,  $\frac{1}{3}$  are women and the rest are children. The average age of the women is  $\frac{4}{5}$  of the average age of the men. The average age of the children is  $\frac{1}{5}$  of the average age of the men. If the average age of the men is 50 years, then the average age of all the people in the group is:

- 35 years 1.
- 32 years 2.
- 28 years 3.
- 36 years 4.

Question ID : 8161613296

Status : Answered

Chosen Option : 4

Q.2

Ans

A sum at simple interest becomes two times in 8 years at a certain rate of interest p.a. The time in which the same sum will be 4 times at the same rate of interest at simple interest is:

- 25 years 1.
- 20 years 2.
- 30 years 3.
- 24 years 4.

Question ID : 8161613301

Status : Answered

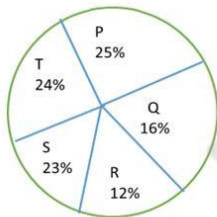
Chosen Option : 4

Q.3

Ans

The pie-chart shows the percentage-wise distribution of the number of students in five different schools P, Q, R, S and T. The total number of students in all five schools together is 10,500.

Study the pie-chart and answer the question.



The difference between the central angles corresponding to schools T and R is:

- $42.8^\circ$  1.
- $44^\circ$  2.
- $43.2^\circ$  3.
- $34.5^\circ$  4.

Question ID : 8161613316

Status : Answered

3

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Q.4 If  $\sin(A - B) = \frac{1}{2}$  and  $\cos(A + B) = \frac{1}{2}$ , where  $A > B > 0^\circ$  and  $A + B$  is an acute angle, then the value of A is:

Ans

- 30°<sub>1.</sub>
- 60°<sub>2.</sub>
- 45°<sub>3.</sub>
- 15°<sub>4.</sub>

Question ID : 8161613313

Status : Answered

Chosen Option : 3

Q.5 If  $a^3 + b^3 = 62$  and  $a + b = 2$ , then the value of  $ab$  is:

Ans

- 6<sub>1.</sub>
- 9<sub>2.</sub>
- 6<sub>3.</sub>
- 9<sub>4.</sub>

Question ID : 8161613306

Status : Answered

Chosen Option : 4

Q.6 The areas of three adjacent faces of a cuboid are  $30 \text{ cm}^2$ ,  $20 \text{ cm}^2$  and  $24 \text{ cm}^2$ . The volume of the cuboid is:

Ans

- 1.  $200 \text{ cm}^3$
- 2.  $120 \text{ cm}^3$
- 3.  $180 \text{ cm}^3$
- 4.  $150 \text{ cm}^3$

Question ID : 8161613295

Status : Answered

Chosen Option : 2

Q.7 When a number is divided by 14, the remainder is 9. If the square of the same number is divided by 14, then the remainder will be:

Ans

- 11<sub>1.</sub>
- 9<sub>2.</sub>
- 8<sub>3.</sub>
- 10<sub>4.</sub>

Question ID : 8161613309

Status : Answered

1

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In a  $\triangle ABC$ ,  $\angle BAC = 90^\circ$  and AD is perpendicular to BC where D is a point on BC. If  $BD = 4$  cm and  $CD = 5$  cm, then the length of AD is equal to:

Q.8

- Ans
- 1.  $5\sqrt{2}$  cm
  - 2.  $2\sqrt{5}$  cm
  - 3. 6 cm
  - 4. 4.5 cm

Question ID : 8161613305

Status : Answered

Chosen Option : 2

Q.9 On selling 26 balls for ₹1,350, there is a loss equal to the cost price of eight balls. The cost price of a ball is:

- Ans
- 1. ₹60
  - 2. ₹65
  - 3. ₹75
  - 4. ₹70

Question ID : 8161613299

Status : Answered

Chosen Option : 3

The speed of a train is 220% of the speed of a car. The car covers a distance of 950 km in 19 hours. How much distance

Q.10 will the train cover in  $3\frac{1}{2}$  hours?

- Ans
- 1. 380 km
  - 2. 385 km
  - 3. 375 km
  - 4. 285 km

Question ID : 8161613294

Status : Answered

Chosen Option : 2

The circles of same radius 13 cm intersect each other at A and B. If  $AB = 10$  cm, then the distance between their centres

Q.11 is:

- Ans
- 1. 18 cm
  - 2. 12 cm
  - 3. 24 cm
  - 4. 26 cm

Question ID : 8161613303

Status : Answered

3



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The value of  $\frac{33}{40} + \frac{1}{5} \left[ \frac{4}{5} - \frac{1}{5} \times \left( \frac{7}{8} - \frac{5}{4} \right) \right]$  is:

Q.12

- Ans  10<sub>1.</sub>  
 0<sub>2.</sub>  
 1<sub>3.</sub>  
 5<sub>4.</sub>

Question ID : 8161613310

Status : Answered

Chosen Option : 3

The marked price of an article is 25% more than its cost price. If 10% discount is given on the marked price, then what

Q.13 is the profit percentage?

- Ans  12.5%<sub>1.</sub>  
 11.5%<sub>2.</sub>  
 12%<sub>3.</sub>  
 10%<sub>4.</sub>

Question ID : 8161613297

Status : Answered

Chosen Option : 1

If  $\frac{\sec \theta + \tan \theta}{\sec \theta - \tan \theta} = 5$  and  $\theta$  is an acute angle, then the value of  $\frac{3 \cos^2 \theta + 1}{3 \cos^2 \theta - 1}$  is:

Q.14

- Ans  4<sub>1.</sub>  
 3<sub>2.</sub>  
 1<sub>3.</sub>  
 2<sub>4.</sub>

Question ID : 8161613312

Status : Answered

Chosen Option : 1

If  $\sin(\theta + 30^\circ) = \frac{3}{\sqrt{12}}$ , then the value of  $\theta$  is equal to:

Q.15

- Ans  15°<sub>1.</sub>  
 60°<sub>2.</sub>  
 30°<sub>3.</sub>  
 45°<sub>4.</sub>

Question ID : 8161613311

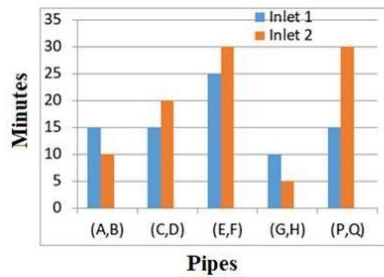
Status : Answered

Chosen Option : 3

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Study the following graph and answer the given question.

The graph shows the time (in minutes) taken by the pipes (A, B), (C, D), (E, F), (G, H) and (P, Q) to fill a tank.



Q.16 Two pipes P and Q are inlet pipes. If they are opened at alternate minutes and if pipe P is opened first, then in how many minutes will the tank be full?

- Ans
- 18 minutes <sub>1.</sub>
  - 30 minutes <sub>2.</sub>
  - 16 minutes <sub>3.</sub>
  - 20 minutes <sub>4.</sub>

Question ID : 8161613314

Status : Answered

Chosen Option : 4

Q.17 If  $x = \frac{\sqrt{3}}{2}$ , then the value of  $\frac{\sqrt{1+x} + \sqrt{1-x}}{\sqrt{1+x} - \sqrt{1-x}}$  is equal to:

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

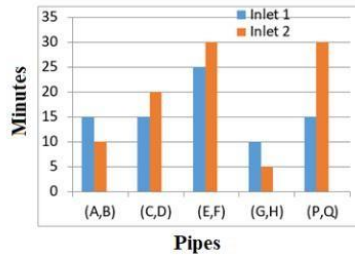
Question ID : 8161613308

Status : Answered

Chosen Option : 2

Study the following graph and answer the given question.

The graph shows the time (in minutes) taken by the pipes (A, B), (C, D), (E, F), (G, H) and (P, Q) to fill a tank.



In how many minutes is an empty tank filled completely if pipe D fills it for half the time and then for the other half time, pipes C and D fill it together?

Q.18

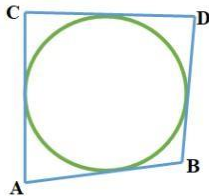
- Ans
- 18 minutes <sup>1.</sup>
  - 10 minutes <sup>2.</sup>
  - 15 minutes <sup>3.</sup>
  - 12 minutes <sup>4.</sup>

Question ID : 8161613315

Status : Answered

Chosen Option : 4

In the figure, a circle touches all the four sides of a quadrilateral ABCD whose sides AB = 6.5 cm, BC = 5.4 cm and CD = 5.3 cm. The length of AD is:



Q.19

- Ans
- 4.6 cm <sup>1.</sup>
  - 5.8 cm <sup>2.</sup>
  - 6.2 cm <sup>3.</sup>
  - 6.4 cm <sup>4.</sup>

Question ID : 8161613302

Status : Answered

Chosen Option : 4

A is twice as good a workman as B and together they finish a piece of work in 22 days. In how many days will A alone

Q.20 finish the same work?

- Ans
- 1. 30 days
  - 2. 44 days
  - 3. 33 days
  - 4. 11 days

Question ID : 8161613293

Status : Answered

Chosen Option : 3

q.21 What is the third proportional to 16 and 24?

- Ans
- 1. 28
  - 2. 34
  - 3. 32
  - 4. 36

Question ID : 8161613300

Status : Answered

Chosen Option : 4

The side BC of a triangle ABC is extended to the point D. If  $\angle ACD = 132^\circ$  and  $\angle B = \frac{4}{7}\angle A$ , then the measure of  $\angle A$  is equal to:

Q.22

- Ans
- 1.  $60^\circ$
  - 2.  $50^\circ$
  - 3.  $84^\circ$
  - 4.  $80^\circ$

Question ID : 8161613304

Status : Answered

Chosen Option : 3

q.23 If  $\sqrt{x} = \sqrt{3} - \sqrt{5}$ , then the value of  $x^2 - 16x + 6$  is:

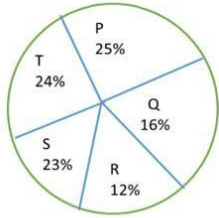
- Ans
- 1. 4
  - 2. 0
  - 3. 2
  - 4. -2

Question ID : 8161613307

Status : Answered

Chosen Option : 3

**Q.24** The pie-chart shows the percentage-wise distribution of the number of students in five different schools P, Q, R, S and T. The total number of students in all five schools together is 10,500. Study the pie-chart and answer the question.



The number of students in school R is what per cent of the total number of students in schools Q and T together?

- Ans**
- 1. 40%
  - 2. 35%
  - 3. 25%
  - 4. 30%

Question ID : **8161613317**  
Status : **Answered**  
Chosen Option : **4**

**Q.25** If the price of an eraser is reduced by 25%, a person can buy three more erasers for ₹2. How many erasers can be bought for ₹2 as the original price?

- Ans**
- 1. 10
  - 2. 8
  - 3. 9
  - 4. 12

Question ID : **8161613298**  
Status : **Answered**  
Chosen Option : **3**

Section : **General Awareness**

**Q.1** In which year did the first Elected Parliament with two houses come into being in India?

- Ans**
- 1. 1953
  - 2. 1952
  - 3. 1955
  - 4. 1954

Question ID : **8161613339**  
Status : **Marked For Review**  
Chosen Option : **1**

Q.2 Which country ranked first in the 2019 Human Development Index?

- Ans
- 1. Norway
  - 2. Switzerland
  - 3. Germany
  - 4. Ireland

Question ID : 8161613325  
Status : Answered  
Chosen Option : 1

Q.3 How many Vedangas are there in total?

- Ans
- 1. Two
  - 2. Ten
  - 3. Six
  - 4. Five

Question ID : 8161613334  
Status : Answered  
Chosen Option : 1

Q.4 The first barcode system was developed by:

- Ans
- 1. Norman Joseph Woodland
  - 2. John Barger
  - 3. David Bradley
  - 4. John Mc Carthy

Question ID : 8161613319  
Status : Not Answered  
Chosen Option : --

Q.5 Which of the following is the second largest artificial lake in Asia?

- Ans
- 1. Kolleru Lake in Andhra Pradesh
  - 2. Chilika Lake in Odisha
  - 3. Dhebar Lake in Rajasthan
  - 4. Chandubi Lake in Assam

Question ID : 8161613331  
Status : Marked For Review  
Chosen Option : 2



Q.6 Which of the following was invented by Walter Hunt?

- Ans
- 1. Ship
  - 2. Scooter
  - 3. Safety lamp
  - 4. Safety pin

Question ID : 8161613329  
Status : Not Answered  
Chosen Option : --

Q.7 The term 'monsoon' is derived from a/an:

- Ans
- 1. Italian word
  - 2. Latin word
  - 3. Greek word
  - 4. Arabic word

Question ID : 8161613333  
Status : Answered  
Chosen Option : 4

Q.8 Who among the following is one of the Deputy Operations Director of the Mars Orbiter Mission (MOM)?

- Ans
- 1. Nandini Harinath
  - 2. Seetha Somasundaram
  - 3. Minal Rohit
  - 4. Moumita Dutta

Question ID : 8161613336  
Status : Answered  
Chosen Option : 2

Q.9 Which of the following characteristics of sound is measured in hertz (Hz)?

- Ans
- 1. Loudness of the sound
  - 2. Intensity of the sound
  - 3. Wavelength of the sound
  - 4. Frequency of the sound

Question ID : 8161613327  
Status : Answered  
Chosen Option : 4

Q.10 The Tropic of Cancer does NOT pass through which of the following Indian states?

- Ans
- 1. Madhya Pradesh
  - 2. West Bengal
  - 3. Gujarat
  - 4. Andhra Pradesh

Question ID : **8161613330**  
Status : **Answered**  
Chosen Option : **4**

Q.11 The Hornbill Festival is celebrated in which state?

- Ans
- 1. Nagaland
  - 2. Assam
  - 3. Meghalaya
  - 4. Arunachal Pradesh

Question ID : **8161613320**  
Status : **Answered**  
Chosen Option : **1**

Q.12 Who among the following was a leader from Allahabad (now Prayagraj) in the revolt against the British in 1857?

- Ans
- 1. Maulvi Liaquat Ali
  - 2. Tatya Tope
  - 3. Khan Bahadur Khan
  - 4. Rani Laxmi Bai

Question ID : **8161613335**  
Status : **Answered**  
Chosen Option : **3**

Q.13 Who is author of the book 'The Judgement: Inside Story of the Emergency in India'?

- Ans
- 1. KM Munshi
  - 2. Jawaharlal Nehru
  - 3. Indira Gandhi
  - 4. Kuldip Nayar

Question ID : **8161613337**  
Status : **Not Answered**  
Chosen Option : **--**

Q.14 Who among the following is nicknamed the 'Baltimore Bullet'?

- Ans
- 1. Michael Phelps
  - 2. Tom Jager
  - 3. Ian Thorpe
  - 4. Matt Biondi

Question ID : **8161613341**  
Status : **Not Answered**  
Chosen Option : --

Q.15 Trackball is which of the following devices?

- Ans
- 1. Barcode reader
  - 2. Touchpad
  - 3. Output device
  - 4. Input device

Question ID : **8161613318**  
Status : **Answered**  
Chosen Option : **3**

Q.16 Which country is the 2019 ICC Cricket World Cup champion?

- Ans
- 1. Pakistan
  - 2. England
  - 3. India
  - 4. Australia

Question ID : **8161613340**  
Status : **Answered**  
Chosen Option : **2**

Q.17 Telangana became the 29th state of India in which year?

- Ans
- 1. 2015
  - 2. 2014
  - 3. 2017
  - 4. 2016

Question ID : **8161613338**  
Status : **Not Answered**  
Chosen Option : --

Q.18 The Bomdila Pass is located in which state?

Ans

- 1. Nagaland
- 2. Arunachal Pradesh
- 3. Sikkim
- 4. Himachal Pradesh

Question ID : 8161613332  
Status : Answered  
Chosen Option : 2

Q.19 Who Inaugurated the National Tribal Festival "Aadi Mahotsav" in New Delhi in November 2019?

Ans

- 1. N. Sitharaman
- 2. Amit Shah
- 3. Narendra Modi
- 4. Smriti Irani

Question ID : 8161613322  
Status : Answered  
Chosen Option : 2

Q.20 In January 2020, who among the following launched the first girder of the Mumbai TransHarbour Link (MTHL)?

Ans

- 1. Aaditya Thackeray
- 2. Bal Thackeray
- 3. Raj Thackeray
- 4. Uddhav Thackeray

Question ID : 8161613324  
Status : Answered  
Chosen Option : 4

Q.21 In which year did NITI Aayog come into existence?

Ans

- 1. 2014
- 2. 2016
- 3. 2015
- 4. 2013

Question ID : 8161613326  
Status : Marked For Review  
Chosen Option : 1

Q.22 Who won the International Hockey Federation's (FIH) Player of the Year award in 2019?

Ans

- 1. Manpreet Singh
- 2. Dilip Tirkey
- 3. Dhyan Chand
- 4. Pargat Singh

Question ID : 8161613342  
Status : Answered  
Chosen Option : 1

Q.23 In October 2019, which of the following pairs of Indian cities was included by UNESCO in its network of 'Creative Cities' on the occasion of World Cities Day 2019?

Ans

- 1. Hyderabad & Mumbai
- 2. Pune & Hyderabad
- 3. Delhi & Mumbai
- 4. Jodhpur & Kolkata

Question ID : 8161613323  
Status : Not Answered  
Chosen Option : --

Q.24 Which instrument is used to measure the level of humidity?

Ans

- 1. Hydrometer
- 2. Galvanometer
- 3. Fathometer
- 4. Hygrometer

Question ID : 8161613328  
Status : Answered  
Chosen Option : 4

Q.25 Which of the following forms of martial arts is from Kerala?

Ans

- 1. Paika Akhada
- 2. Silambam
- 3. Gatka
- 4. Kalarippayattu

Question ID : 8161613321  
Status : Not Answered  
Chosen Option : --