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Combined Higher Secondary Level Examination 2019 Tier I

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

Section : English Language (Basic Knowledge)

Q.1 Select the most appropriate word to fill in the blank.

The police used tear gas to _____ the crowd.

- Ans
- 1. disburse
 - 2. collect
 - 3. attack
 - 4. disperse

Question ID : 8161613266
Status : Answered
Chosen Option : 1

Q.2 Select the most appropriate meaning of the given idiom.

Take something with a pinch of salt

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

Question ID : 8161613259
Status : Not Answered
Chosen Option : --

Q.3 Select the word that means the same as the given group of words.

A person weak and disabled by illness

- Ans
- 1. Activist
 - 2. Invalid
 - 3. Athlete
 - 4. Petitioner

Question ID : 8161613262
Status : Answered
Chosen Option : 4

Q.4 Select the INCORRECTLY spelt word.

- Ans
- 1. Preamble
 - 2. Pnemonia
 - 3. Miscellaneous
 - 4. Deviation

Question ID : **8161613261**

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.

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

Question ID : **8161613247**

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.

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

Question ID : **8161613248**

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.

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

Question ID : **8161613249**

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.

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

Question ID : **8161613250**

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.

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 : **Not Answered**

Chosen Option : --

Q.10 Select the INCORRECTLY spelt word.

- Ans
- 1. Conscientious
 - 2. Constraint
 - 3. Resultant
 - 4. Expanse

Question ID : 8161613260

Status : **Not Answered**

Chosen Option : --

Q.11 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
- 1. Subhash Gidwani is selling dolls
 - 2. in the annual Dastakar Bazaar
 - 3. held in January every year in Delhi
 - 4. which are type of Madhya Pradesh's village culture

Question ID : 8161613244

Status : **Not Answered**

Chosen Option : --

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

Question ID : 8161613253
Status : Not Answered
Chosen Option : --

Q.13 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. CBAD
 - 2. CDBA
 - 3. ADBC
 - 4. DACB

Question ID : 8161613252
Status : Not Answered
Chosen Option : --

Q.14 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. alumnus occupies
 - 2. alumnus occupying
 - 3. No improvement
 - 4. alumni occupy

Question ID : 8161613255
Status : Not Answered
Chosen Option : --

Q.15 Select the correct indirect form of given sentence.

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

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

Question ID : 8161613243
Status : Not Answered
Chosen Option : --

Q.16 Select the most appropriate synonym of the given word.

CONGENIAL

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

Question ID : 8161613265
Status : Not Answered
Chosen Option : --

Q.17 Select the most appropriate ANTONYM of the given word.

PACIFIST

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

Question ID : 8161613257
Status : Not Answered
Chosen Option : --

Q.18 Select the most appropriate meaning of the given idiom.

Full of sound and fury

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

Question ID : 8161613258
Status : Not Answered
Chosen Option : --

Q.19 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. because there is
 - 2. You must make
 - 3. few time left
 - 4. a choice immediately

Question ID : 8161613245
Status : Not Answered
Chosen Option : --

Q.20 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. erratic
 - 3. avid
 - 4. inattentive

Question ID : 8161613267
Status : Not Answered
Chosen Option : --

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

PEDIGREE

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

Question ID : 8161613264
Status : Not Answered
Chosen Option : --

Q.22 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. has been
 - 3. No improvement
 - 4. have being

Question ID : 8161613254
Status : Not Answered
Chosen Option : --

Q.23 Select the most appropriate ANTONYM of the given word.

PROLIFIC

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

Question ID : 8161613256
Status : Not Answered
Chosen Option : --

Q.24 Select the correct passive form of the given sentence.

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

- Ans 1. 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 Chhattisgarh State in January 2020.
 3. The first ever 'All India Folk Dance Festival' will be organised by the Chhattisgarh State in January 2020.
 4. The first ever 'All India Folk Dance Festival' had been organised by the Chhattisgarh State in January 2020.

Question ID : 8161613242
Status : Not Answered
Chosen Option : --

Q.25 Select the word that means the same as the given group of words.

Happening every two years

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

Question ID : 8161613263
Status : Not Answered
Chosen Option : --

Section : General Intelligence

Q.1 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

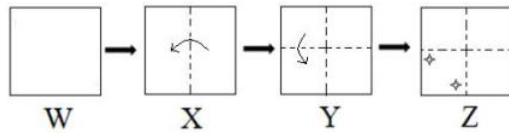
- Ans 1. BEYV
 2. MONL
 3. NOPE
 4. HJSQ

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8161613283
Not Answered

Q.2 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.

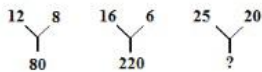


4.



Question ID : 8161613290
 Status : Answered
 Chosen Option : 4

Q.3 Select the number that can replace the question mark (?) in the following figure series.



Ans

1. 241

2. 225

3. 210

4. 425

Question ID : 8161613271
 Status : Answered
 Chosen Option : 2

Q.4 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?

- Ans**
- 1. 71.5%
 - 2. 80%
 - 3. 65%
 - 4. 75.2%

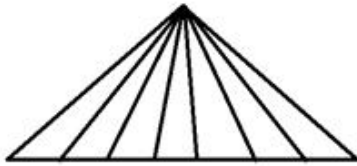
Question ID : **8161613268**
Status : **Answered**
Chosen Option : 1

Q.5 Introducing a boy, I said, "His mother is the only daughter of my mother in law". How am I related to the boy?

- Ans**
- 1. Brother
 - 2. Father
 - 3. Brother-in-law
 - 4. Nephew

Question ID : **8161613281**
Status : **Answered**
Chosen Option : 2

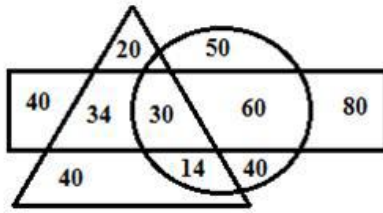
Q.6 How many triangles are there in the following figure?



- Ans**
- 1. 28
 - 2. 24
 - 3. 14
 - 4. 20

Question ID : **8161613288**
Status : **Answered**
Chosen Option : 1

Q.7 Study the given Venn diagram carefully and answer the following question.



= Persons who use bike

= Persons who use car

= Persons who use bicycle

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

- Ans
- 1. 14
 - 2. 30
 - 3. 34
 - 4. 40

Question ID : 8161613287

Status : Answered

Chosen Option : 3

Q.8 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'.



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

Question ID : 8161613286

Status : Answered

Chosen Option : 1

Q.9 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

- Ans
- 1. Paris
 - 2. Istanbul
 - 3. Maputo
 - 4. London

Question ID : 8161613284

Status : Answered

Chosen Option : 3

Q.10 Select the correct combination of mathematical signs to replace 'A' sequentially and balance the following equation.

40 A 2 A 3 A 4 A 15

- Ans**
- 1. $\div, \times, =, \times$
 - 2. $\times, \div, +, =$
 - 3. $\times, =, -, \div$
 - 4. $\div, \times, =, -$

Question ID : 8161613269

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.

COAT : APZV :: ROAD : ?

- Ans**
- 1. TNCC
 - 2. PQZF
 - 3. SPBE
 - 4. PPZF

Question ID : 8161613278

Status : Answered

Chosen Option : 4

Q.12 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. 729
 - 2. 125
 - 3. 216
 - 4. 676

Question ID : 8161613274

Status : Answered

Chosen Option : 4

Q.13 Select the Venn diagram that best represents the relationship between the following classes.

Dirham, USD, Currency

Ans



Question ID : 8161613292

Status : Answered

Chosen Option : 2

Q.14 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.
- II. All kings are malls.

Ans 1. Neither conclusion I nor II follows.

2. Only conclusion II follows.

3. Either conclusion I or II follows.

4. Only conclusion I follows.

Question ID : 8161613285

Status : Answered

Chosen Option : 4

Q.15 In a certain code language, 'TELEVISION' is written as 'OPJTJWFMFU'. How will 'REMOTE' be written as in that language?

- Ans 1. FUPNFS
 2. ETOMER
 3. PUPFNS
 4. SFNPUF

Question ID : 8161613277
Status : **Not Answered**
Chosen Option : --

Q.16 Select the option in which the given figure is embedded.

(Rotation is not allowed)

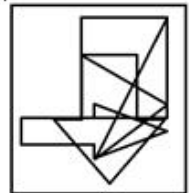


Ans

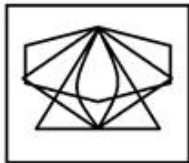
1.



2.



3.



4.



Question ID : 8161613289
Status : **Answered**
Chosen Option : 2

Q.17 Select the option in which the numbers share the same relationship as that shared by the given number-pair.

4 : 25

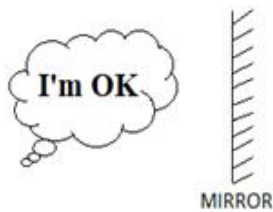
- Ans
- 1. 11 : 170
 - 2. 6 : 49
 - 3. 12 : 120
 - 4. 6 : 36

Question ID : 8161613270

Status : Answered

Chosen Option : 2

Q.18 Select the correct mirror image of the given figure.



Ans

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

Question ID : 8161613291

Status : Answered

Chosen Option : 2

Q.19 Select the option that is related to the third word in the same way as the second word is related to the first word.

Time : Second : : Length : ?

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

Question ID : 8161613279
Status : Answered
Chosen Option : 1

Q.20 'TQUS' is related to 'UPVR' in the same way as 'FIRE' is related to _____.

- Ans
- 1. GIRG
 - 2. GHSD
 - 3. GIRF
 - 4. GHRD

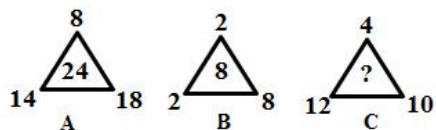
Question ID : 8161613282
Status : Answered
Chosen Option : 2

Q.21 In a certain code language, 'TRAFFIC' is written as 'VTCHHKE'. How will 'POLICE' be written as in that language?

- Ans
- 1. RMNGEC
 - 2. ONKHBD
 - 3. RQNKEG
 - 4. RMJGEC

Question ID : 8161613276
Status : Answered
Chosen Option : 3

Q.22 Select the number that can replace the question mark (?) in the following figure series.



- Ans
- 1. 2
 - 2. 18
 - 3. 22
 - 4. 6

Question ID : 8161613272
Status : Not Answered
Chosen Option : --

Q.23 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 _

- Ans
- 1. dxadadd
 - 2. xxxaxxd
 - 3. xxcbxad
 - 4. axdaxxd

Question ID : 8161613280
Status : Answered
Chosen Option : 2

Q.24 Select the number that can replace the question mark (?) in the following series.

6, 7, 16, 51, 208, ?

- Ans
- 1. 2000
 - 2. 2570
 - 3. 1045
 - 4. 1250

Question ID : 8161613273
Status : Answered
Chosen Option : 4

Q.25 Arrange the given words in a logical and meaningful sequence.

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

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

Question ID : 8161613275
Status : Answered
Chosen Option : 1

Q.1 If $\sqrt{x} = \sqrt{3} - \sqrt{5}$, then the value of $x^2 - 16x + 6$ is:

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

Question ID : 8161613307
Status : Answered
Chosen Option : 1

Q.2 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:

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

Question ID : 8161613296
Status : Not Answered
Chosen Option : --

Q.3 The areas of three adjacent faces of a cuboid are 30 cm^2 , 20 cm^2 and 24 cm^2 . The volume of the cuboid is:

- Ans
- 1. 120 cm^3
 - 2. 150 cm^3
 - 3. 200 cm^3
 - 4. 180 cm^3

Question ID : 8161613295
Status : Answered
Chosen Option : 1

Q.4 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 will the train cover in $3\frac{1}{2}$ hours?

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

Question ID : 8161613294
Status : Answered
Chosen Option : 1

Q.5 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:

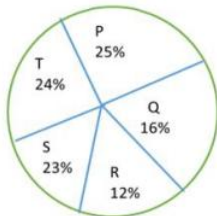
- Ans**
- 1. 60°
 - 2. 80°
 - 3. 50°
 - 4. 84°

Question ID : 8161613304

Status : Answered

Chosen Option : 4

Q.6 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. 30%
 - 2. 35%
 - 3. 25%
 - 4. 40%

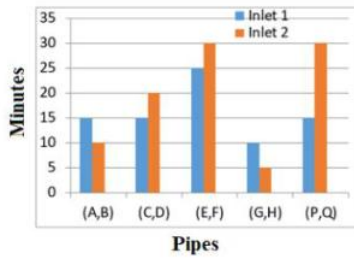
Question ID : 8161613317

Status : Answered

Chosen Option : 1

Q.7 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?

- Ans
- 1. 15 minutes
 - 2. 18 minutes
 - 3. 12 minutes
 - 4. 10 minutes

Question ID : 8161613315

Status : Not Answered

Chosen Option : --

Q.8 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. 3
 - 2. $\sqrt{3}$
 - 3. 2
 - 4. $\sqrt{2}$

Question ID : 8161613308

Status : Answered

Chosen Option : 2

Q.9 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:

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

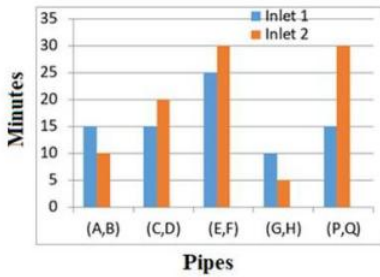
Question ID : 8161613305

Status : Answered

Chosen Option : 2

Q.10 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.



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**
- 1. 18 minutes
 - 2. 20 minutes
 - 3. 16 minutes
 - 4. 30 minutes

Question ID : **8161613314**
Status : **Not Answered**
Chosen Option : --

Q.11 The circles of same radius 13 cm intersect each other at A and B. If $AB = 10$ cm, then the distance between their centres is:

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

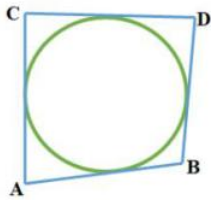
Question ID : **8161613303**
Status : **Answered**
Chosen Option : 3

Q.12 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. ₹70
 - 2. ₹65
 - 3. ₹60
 - 4. ₹75

Question ID : **8161613299**
Status : **Answered**
Chosen Option : 2

Q.13 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:



- Ans
- 1. 4.6 cm
 - 2. 6.4 cm
 - 3. 5.8 cm
 - 4. 6.2 cm

Question ID : 8161613302
Status : Answered
Chosen Option : 1

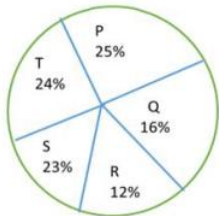
Q.14 What is the third proportional to 16 and 24?

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

Question ID : 8161613300
Status : Answered
Chosen Option : 1

Q.15 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:

- Ans
- 1. 34.5°
 - 2. 44°
 - 3. 43.2°
 - 4. 42.8°

Question ID : 8161613316
Status : Answered
Chosen Option : 1

Q.16 If $a^3 + b^3 = 62$ and $a + b = 2$, then the value of ab is:

- Ans 1. -9
 2. 9
 3. -6
 4. 6

Question ID : 8161613306
Status : Answered
Chosen Option : 1

Q.17 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 1. 11
 2. 9
 3. 10
 4. 8

Question ID : 8161613309
Status : Answered
Chosen Option : 1

Q.18 If $\frac{\sec \theta + \tan \theta}{\sec \theta - \tan \theta} = 5$ and θ is an acute angle, then the value of $\frac{3 \cos^2 \theta + 1}{3 \cos^2 \theta - 1}$ is:

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

Question ID : 8161613312
Status : Answered
Chosen Option : 4

Q.19 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:

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

Question ID : 8161613301
Status : Answered
Chosen Option : 3

Q.20 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. 8
 - 2. 10
 - 3. 12
 - 4. 9

Question ID : 8161613298
Status : Answered
Chosen Option : 1

Q.21 If $\sin(\theta + 30^\circ) = \frac{3}{\sqrt{12}}$, then the value of θ is equal to:

- Ans
- 1. 60°
 - 2. 15°
 - 3. 45°
 - 4. 30°

Question ID : 8161613311
Status : Answered
Chosen Option : 4

Q.22 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:

- Ans
- 1. 5
 - 2. 0
 - 3. 10
 - 4. 1

Question ID : 8161613310
Status : Answered
Chosen Option : 4

Q.23 The marked price of an article is 25% more than its cost price. If 10% discount is given on the marked price, then what is the profit percentage?

- Ans
- 1. 12%
 - 2. 11.5%
 - 3. 10%
 - 4. 12.5%

Question ID : 8161613297
Status : Answered
Chosen Option : 4

Q.24 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 1. 45°
 2. 30°
 3. 15°
 4. 60°

Question ID : 8161613313
Status : Answered
Chosen Option : 1

Q.25 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 finish the same work?

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

Question ID : 8161613293
Status : Answered
Chosen Option : 4

Section : General Awareness

Q.1 Which instrument is used to measure the level of humidity?

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

Question ID : 8161613328
Status : Not Answered
Chosen Option : --

Q.2 The first barcode system was developed by:

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

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

Q.3 Which of the following forms of martial arts is from Kerala?

- Ans
- 1. Paika Akhada
 - 2. Gatka
 - 3. Kalaripayattu
 - 4. Silambam

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

Q.4 How many Vedangas are there in total?

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

Question ID : 8161613334
Status : Not Answered
Chosen Option : --

Q.5 Which of the following characteristics of sound is measured in hertz (Hz)?

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

Question ID : 8161613327
Status : Not Answered
Chosen Option : --

Q.6 In which year did NITI Aayog come into existence?

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

Question ID : 8161613326
Status : Not Answered
Chosen Option : --

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

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

Question ID : 8161613333
Status : Not Answered
Chosen Option : --

Q.8 In which year did the first Elected Parliament with two houses come into being in India?

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

Question ID : 8161613339
Status : Not Answered
Chosen Option : --

Q.9 Who is author of the book 'The Judgement: Inside Story of the Emergency in India'?

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

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

Q.10 Who among the following is nicknamed the 'Baltimore Bullet'?

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

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

Q.11 In January 2020, who among the following launched the first girder of the Mumbai Trans-Harbour Link (MTHL)?

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

Question ID : 8161613324
Status : Not Answered
Chosen Option : --

Q.12 Who Inaugurated the National Tribal Festival "Aadi Mahotsav" in New Delhi in November 2019?

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

Question ID : 8161613322
Status : Not Answered
Chosen Option : --

Q.13 Which country ranked first in the 2019 Human Development India Index?

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

Question ID : 8161613325
Status : Not Answered
Chosen Option : --

Q.14 Who won the International Hockey Federation's (FIH) Player of the Year award in 2019?

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

Question ID : 8161613342
Status : Not Answered
Chosen Option : --

Q.15 The Hornbill Festival is celebrated in which state?

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

Question ID : 8161613320
Status : Not Answered
Chosen Option : --

Q.16 Telangana became the 29th state of India in which year?

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

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

Q.17 Which of the following was invented by Walter Hunt?

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

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

Q.18 Who among the following was a leader from Allahabad (now Prayagraj) in the revolt against the British in 1857?

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

Question ID : 8161613335
Status : Not Answered
Chosen Option : --

Q.19 The Bomdila Pass is located in which state?

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

Question ID : **8161613332**
Status : **Not Answered**
Chosen Option : --

Q.20 Trackball is which of the following devices?

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

Question ID : **8161613318**
Status : **Not Answered**
Chosen Option : --

Q.21 Which country is the 2019 ICC Cricket World Cup champion?

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

Question ID : **8161613340**
Status : **Not Answered**
Chosen Option : --

Q.22 The Tropic of Cancer does NOT pass through which of the following Indian states?

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

Question ID : **8161613330**
Status : **Not Answered**
Chosen Option : --

Q.23 Who among the following is one of the Deputy Operations Director of the Mars Orbiter Mission (MOM)?

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

Question ID : **8161613336**
Status : **Not Answered**
Chosen Option : --

Q.24 Which of the following is the second largest artificial lake in Asia?

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

Question ID : **8161613331**
Status : **Not Answered**
Chosen Option : --

Q.25 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. Pune & Hyderabad
 - 2. Jodhpur & Kolkata
 - 3. Hyderabad & Mumbai
 - 4. Delhi & Mumbai

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



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