Combined Higher Secondary Level Examination 2019 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Kovilambakkam
Exam Date	13/10/2020
Exam Time	1:00 PM - 2:00 PM
Subject	CHSL Tier 1

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Section : **English Language (Basic Knowledge)**

Q.1 **Identify the segment in the given sentence which contains the grammatical error.**

If India will win this match they will win the series.

Ans

✗ 1. the series

✗ 2. they will win

✗ 3. this match

✓ 4. If India will win

Question ID : **8161612649**
Status : **Answered**
Chosen Option : **4**

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

A collection of drawings, documents, etc. That represent a person's, especially an artist's, work

Ans

✗ 1. Dossier

✗ 2. Sketch

✗ 3. Profile

✓ 4. Portfolio

Question ID : **8161612659**
Status : **Answered**
Chosen Option : **1**

Q.3 **Select the INCORRECTLY spelt word.**

Ans

✓ 1. Placque

✗ 2. Lacquer

✗ 3. Rogue

✗ 4. Boutique

Question ID : **8161612657**
Status : **Answered**
Chosen Option : **2**

Q.4 **Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.**

As we've been neighbours, I have known Mrs. Shashi Singh since more than 16 years.

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Ans
1. by more than 16 years
2. for more than 16 years
3. from more than 16 years
4. No improvement

Question ID : **8161612652**
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.

Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)_____ the attractions of Hampi (2)_____ beautiful temples, ruins of palaces (3)_____ of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)_____. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)_____ about 13km from Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

Ans
1. Along
2. Aside
3. Away
4. Among

Question ID : **8161612641**
Status : **Answered**
Chosen Option : **4**

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Comprehension:

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

Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)_____ the attractions of Hampi (2)_____ beautiful temples, ruins of palaces (3)_____ of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)_____. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)_____ about 13km from Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

Ans

✗ 1. was

✓ 2. are

✗ 3. is

✗ 4. were

Question ID : **8161612642**
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.

Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)_____ the attractions of Hampi (2)_____ beautiful temples, ruins of palaces (3)_____ of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)_____. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)_____ about 13km from Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

Ans

✗ 1. refunds

✓ 2. remains

✗ 3. revenues

✗ 4. returns

Question ID : **8161612643**
Status : **Answered**
Chosen Option : **2**

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Comprehension:

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

Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)_____ the attractions of Hampi (2)_____ beautiful temples, ruins of palaces (3)_____ of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)_____. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)_____ about 13km from Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

Ans

✗ 1. written

✗ 2. finished

✓ 3. endless

✗ 4. finite

Question ID : **8161612644**
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.

Hampi is a UNESCO World Heritage Site in India located near Hospet town in the Karnataka state, India. (1)_____ the attractions of Hampi (2)_____ beautiful temples, ruins of palaces (3)_____ of aquatic structures, ancient market streets, royal pavilions, bastions, royal platforms, treasury buildings...the list is practically (4)_____. Most of the visitors to Hampi arrive at the well-connected Hospet Junction railway station, (5)_____ about 13km from Hampi. Roads to Hampi are in great shape. Driving all the way to Hampi from the neighbouring cities is not a bad idea either.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

Ans

✓ 1. located

✗ 2. placed

✗ 3. settled

✗ 4. fitted

Question ID : **8161612645**
Status : **Answered**
Chosen Option : **1**

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Q.10 Given below are four jumbled sentences. Select the option that gives their correct order.

A. He put it down to dry and went to count his coins.

B. When he came back, it seemed like the teapot had moved.

C. Akito walked into an old curiosity shop and bought a teapot and took it home.

D. Later that day, he cleaned the teapot till it shone like the sun.

Ans
✔ 1. CDAB

✘ 2. CABD

✘ 3. BCDA

✘ 4. ABDC

Question ID : **8161612636**
Status : **Answered**
Chosen Option : **1**

Q.11 Select the most appropriate option to fill in the blank in the given sentence.

Timers at traffic signals, that help motorists save fuel by switching off their engines while waiting, will soon be phased out due to technical _____.

✘ 1. symbols

✘ 2. streamers

✔ 3. glitches

✘ 4. illuminations

Question ID : **8161612661**
Status : **Answered**
Chosen Option : **3**

Ans

Q.12 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.

Finally, Ananya found her pet kitten over the top branch of a tree in their garden. Ans

✔ 1. on the top branch of the tree

✘ 2. in a top branch of a tree

✘ 3. No improvement

✘ 4. across the top branch in the tree

Question ID : **8161612651**
Status : **Answered**
Chosen Option : **1**

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Q.13 Given below are four jumbled sentences. Select the option that gives their correct order.

A. "Today, respect is shown in different ways," she said, "students have a more questioningbent of mind."

B. Vidya Subramaniam occupies a small but privileged place in the dance world that hasseen the old guard giving place to the new.

C. Back in the day, respect meant not sitting on even the same level as one's gurus but that'sno longer true, especially for those who live in Western milieus.

D. For instance, she spoke of how the very idea of 'respect' has changed over time.

Ans
1. DBAC
2. DCAB
3. BCAD
4. BDCA

Question ID : **8161612650**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the most appropriate ANTONYM of the given word.

ALTRUISTIC

1. Soft-spoken
2. Outstanding
3. Serene
4. Selfish

Question ID : **8161612637**
Status : **Answered**
Chosen Option : **4**

Ans

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

DISCLOSE

Ans
1. Disguise
2. Complete
3. Conceal
4. Disrupt

Question ID : **8161612653**
Status : **Answered**
Chosen Option : **3**

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Q.16 Select the option that is the direct form of the given sentence.

Brinda told her doctor that she was leaving for Boston the next day.

Ans
1. Brinda told her doctor, “I was leaving for Boston tomorrow”.
2. Brinda had told her doctor, “She was leaving for Boston the next day”.
3. Brinda said to her doctor, “I am leaving for Boston tomorrow.”
4. Brinda told to her doctor, “I will be leaving for Boston the next day”.

Question ID : **8161612647**
Status : **Answered**
Chosen Option : **3**

Q.17 Select the option that is the passive form of the given sentence.

She did not forget me even though I have been away for a year.

Ans
1. Even though I have been away for a year she did not forget me.
2. Even though I have been away for a year she had not been forgotten.
3. Though I have been away for a year she has not forgot me.
4. I have not been forgotten even though I have been away for a year.

Question ID : **8161612646**
Status : **Answered**
Chosen Option : **2**

Q.18 Select the most appropriate synonym of the given word.

FOLIAGE

1. Greenery
2. Firmness
3. Urgency
4. Foolishness

Question ID : **8161612638**
Status : **Answered**
Chosen Option : **4**

Ans

Q.19 Select the most appropriate option to fill in the blank in the given sentence.

A _____ of small stones is called a mosaic.

Ans
1. Pattern
2. Design
3. Mound
4. Structure

Question ID : **8161612639**
Status : **Answered**
Chosen Option : **1**

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Q.20 Select the word which means the same as the group of words given.

A group of ships sailing together

Ans

1. Cruisers
2. Vessels
3. Navy
4. Fleet

Question ID : **8161612658**
Status : **Answered**
Chosen Option : **3**

Q.21 Select the correctly spelt word.

Ans

1. Fassion
2. Injecshun
3. Transishion
4. Intention

Question ID : **8161612656**
Status : **Answered**
Chosen Option : **4**

Q.22 Identify the segment in the given sentence which contains the grammatical error.

I don't recognise none of the politicians who have been invited to be the speakers today.

1. invited to be
2. I don't recognise none of
3. the speakers today
4. the politicians who have been

Question ID : **8161612648**
Status : **Answered**
Chosen Option : **4**

Ans

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

CONSTRAINT

Ans

1. Hazard
2. Concern
3. Burden
4. Control

Question ID : **8161612660**
Status : **Answered**
Chosen Option : **3**

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Q.24 **Select the most appropriate meaning of the underlined idiom in the given sentence.**

It took Rohan a long time toget the hang of the machine in the new factory.

Ans
- ✔ 1. Learn how to use
- ✘ 2. Put up safely
- ✘ 3. Bring someone to run
- ✘ 4. Clean and dry

Question ID : **8161612654**
Status : **Answered**
Chosen Option : **1**

Q.25 **Select the most appropriate meaning of the given idiom.**

Fit as a fiddle

Ans
- ✘ 1. Playing a musical instrument
- ✔ 2. Healthy and strong
- ✘ 3. Of the right size
- ✘ 4. Singing happily

Question ID : **8161612655**
Status : **Answered**
Chosen Option : **2**

Section : **General Intelligence**

Q.1 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(13, 17, 442)

Ans
- ✔ 1. (18, 15, 540)
- ✘ 2. (11, 19, 628)
- ✘ 3. (17, 21, 367)
- ✘ 4. (15, 14, 415)

Question ID : **8161612666**
Status : **Answered**
Chosen Option : **1**

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Q.2 Which option represents the correct order of the given words as they would appear in an English dictionary?

1. Dovetail
2. Domestic
3. Dominate
4. Donate
5. Dorsal

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

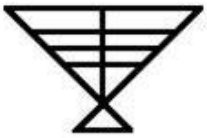
Question ID : **8161612669**
Status : **Answered**
Chosen Option : **2**

Q.3 If 29 January 2003 is a Wednesday, then what day of the week will be 26 February 2005?

Ans
1. Thursday
2. Saturday
3. Friday
4. Sunday

Question ID : **8161612662**
Status : **Not Answered**
Chosen Option : **--**

Q.4 How many triangles are there in the given figure?



Ans
1. 15
2. 14
3. 11
4. 13

Question ID : **8161612682**
Status : **Answered**
Chosen Option : **4**

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Q.5 Select the number that can replace the question mark (?) in the following series.

65, 70, 80, 95, 115, ?, 170

Ans

1. 165
2. 130
3. 140
4. 145

Question ID : **8161612667**
Status : **Answered**
Chosen Option : **3**

Q.6 Select the option in which the numbers are related in the same way as are the numbers in the given set.

(789, 501, 645)

Ans

1. (645, 705, 573)
2. (224, 640, 330)
3. (701, 538, 600)
4. (455, 573, 514)

Question ID : **8161612665**
Status : **Answered**
Chosen Option : **4**

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Q.7 Select the option figure that is embedded in the given figure X. (Rotation is not allowed)

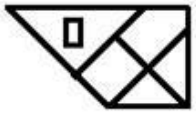
Figure X

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4. 

Question ID : **8161612683**
Status : **Answered**
Chosen Option : **3**

Q.8 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.

KRZ : HOW : : CUX : ?

Ans

✓ 1. ZRU

✗ 2. YTU

✗ 3. ZTV

✗ 4. YSU

Question ID : **8161612672**
Status : **Answered**
Chosen Option : **1**

Q.9 'Nagaland' is related to 'Kohima' in the same way as 'Assam' is related to '_____'.

Ans

✓ 1. Dispur

✗ 2. Konkani

✗ 3. Itanagar

✗ 4. Assamese

Question ID : **8161612673**
Status : **Answered**
Chosen Option : **1**

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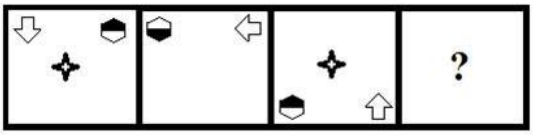
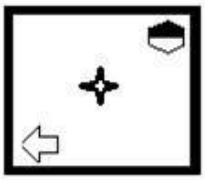
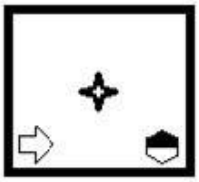
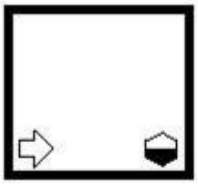
Q.10 Select the option figure that can replace the question mark (?) in the following figure series.

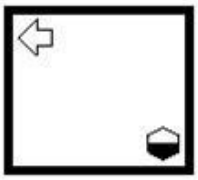


Ans

1. 

2. 

3. 

4. 

Question ID : **8161612681**
Status : **Answered**
Chosen Option : **3**

Q.11 In a certain code language, 'BEAUTY' is written as 'ZUVBFC'. How will 'MARTYR' be written as in that language?

Ans

1. SZUQDN
2. SYUSDM
3. TXURBN
4. SZUSBN

Question ID : **8161612670**
Status : **Answered**
Chosen Option : **4**

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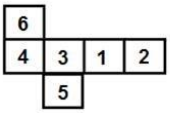
Q.12 A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers will be on opposite faces?



Ans

1. 2 and 3
2. 1 and 6
3. 1 and 5
4. 6 and 3

Question ID : **8161612680**
Status : **Answered**
Chosen Option : **1**

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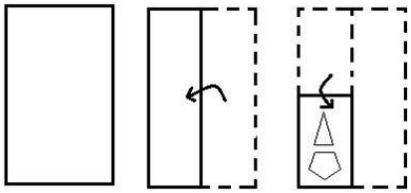
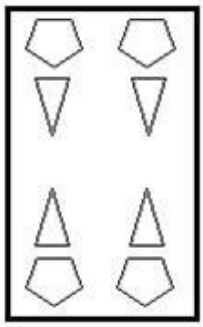
Q.13 The sequence of folding a paper and the manner in which the folded paper has been cut is shown in the following figures. Select from the option figures, how would this paper look when unfolded?

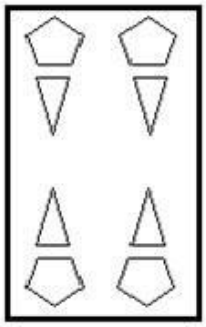


Ans

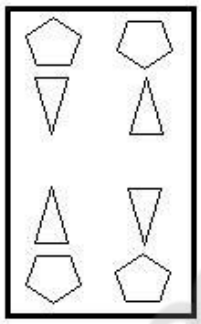
✗ 1.



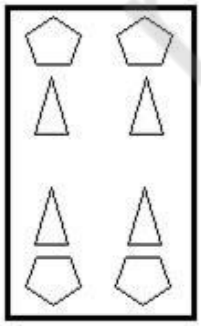
✓ 2.



✗ 3.



✗ 4.



Question ID : **8161612684**
Status : **Answered**
Chosen Option : **2**

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Q.14 In a certain code language, 'REQUIRE' is coded as '100'.How will 'ARRANGE' be coded as in that language?

Ans
✔ 71 1.
✘ 68 2.
✘ 77 3.
✘ 88 4.

Question ID : **8161612671**
Status : **Answered**
Chosen Option : **1**

Q.15 Four words have been given, out of which three are alike in some manner and one is different. Select the odd one.

Ans
✘ Spoon 1.
✔ Spade 2.
✘ Knife 3.
✘ Fork 4.

Question ID : **8161612678**
Status : **Answered**
Chosen Option : **2**

Q.16 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
✔ BGQ 1.
✘ LRX 2.
✘ FLR 3.
✘ NTZ 4.

Question ID : **8161612677**
Status : **Answered**
Chosen Option : **1**

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A + B means 'A is the mother of B';

A – B means 'A is the sister of B';

A × B means 'A is the son of B';

A ÷ B means 'A is the father of B'.

Q.17 If, K + U – T × R ÷ M, then how is K related to M?

Ans
1. Wife
2. Mother
3. Sister
4. Maternal grandmother

Question ID : **8161612675**
Status : **Answered**
Chosen Option : **2**

Q.18 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. All boys are robots.

2. All girls are robots.

Conclusions:

I. Some robots are boys.

II. No robot is a girl.

III. Some robots are girls.

Ans
1. Only conclusion III follows.
2. Only conclusions I and II follow.
3. All conclusions I, II and III follow.
4. Only conclusions I and III follow.

Question ID : **8161612679**
Status : **Answered**
Chosen Option : **4**

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Q.19 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

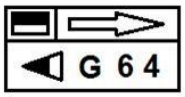
8 : 81 : : 12 : ? : : 11 : 144

Ans

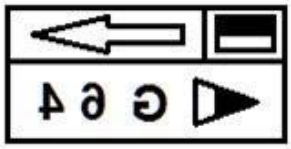
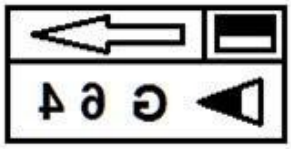
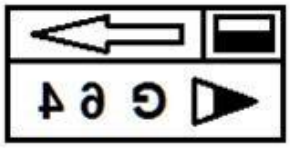
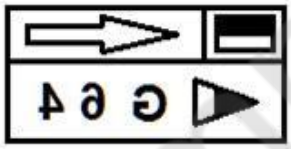
1. 196 ✗
2. 256 ✗
3. 169 ✓
4. 144 ✗

Question ID : **8161612664**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the correct mirror image of the given figure when a mirror is placed on the right side of the figure.



Ans

1.  ✓
2.  ✗
3.  ✗
4.  ✗

Question ID : **8161612685**
Status : **Answered**
Chosen Option : **1**

Q.21 Select the option in which the words share the same relationship as that shared by the given pair of words.

Wheat : Cereal

Ans

1. Tea : Coffee ✗
2. Winner : Prize ✗
3. Cinnamon : Spices ✓
4. City : Traffic ✗

Question ID : **8161612676**
Status : **Answered**
Chosen Option : **3**

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Q.22 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. 22 : 506
2. 14 : 210
3. 17 : 306
4. 11 : 142

Question ID : **8161612668**
Status : **Answered**
Chosen Option : **4**

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

Q.23 K, B, N, D, Q, F, T, H, ?

Ans
1. J
2. K
3. V
4. W

Question ID : **8161612674**
Status : **Answered**
Chosen Option : **4**

Q.24 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the following equation.

11 * 15 * 78 * 6 *18 *160

Ans
1. +, ×, −, ÷, =
2. ×, +, ÷, −, =
3. ×, +, −, ÷, =
4. +, ×, ÷, −, =

Question ID : **8161612663**
Status : **Answered**
Chosen Option : **2**

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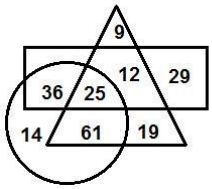
Q.25 In the given Venn Diagram, if the 'circle' represents 'senior lawyers', the 'triangle' represents 'fathers' and the 'rectangle' represents 'Indians', then how many Indian senior lawyers are there who are NOT fathers?



Ans

1. 12 ✗
2. 61 ✗
3. 25 ✗
4. 36 ✓

Question ID : **8161612686**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude(Basic Arithmetic Skill)**

Q.1 ₹4,000 is given at 5% per annum for one year and interest is compounded half yearly. ₹2,000 is given at 40% per annum compounded quarterly for 1 year. The total interest received is nearest to:

Ans

1. ₹1,333.30 ✗
2. ₹1,888.80 ✗
3. ₹1,130.70 ✓
4. ₹1,444.40 ✗

Question ID : **8161612695**
Status : **Not Answered**
Chosen Option : **--**

Q.2 If the number 59a44b is divisible by 36, then the maximum value of a + b is:

Ans

1. 16 ✗
2. 14 ✓
3. 12 ✗
4. 10 ✗

Question ID : **8161612703**
Status : **Answered**
Chosen Option : **2**

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Q.3 A person marks his 40 items at 20% of the cost price. He sells 10 items at a 10% discount and 20 items at a 15% discount on the marked price. What is the maximum discount (rounded off) he can offer on the remaining items if he still gets some profit?

Ans

1. 28%
2. 26%
3. 21%
4. 25%

Question ID : **8161612691**
Status : **Answered**
Chosen Option : **2**

Q.4 A can finish a piece of work in a certain number of days. B takes 45% more number of days to finish the same work independently. They worked together for 58 days and then the remaining work was done by B alone in 29 days. In how many days could A have completed the work, had he worked alone?

Ans

1. 110 days
2. 118 days
3. 98 days
4. 120 days

Question ID : **8161612687**
Status : **Not Answered**
Chosen Option : **--**

Q.5 If $x^4 + \frac{1}{x^4} = \frac{257}{16}$ then find $\frac{8}{13}\left(x^3 + \frac{1}{x^3}\right)$, where $x > 0$.

Ans

1. 6
2. 4
3. 8
4. 5

Question ID : **8161612702**
Status : **Answered**
Chosen Option : **4**

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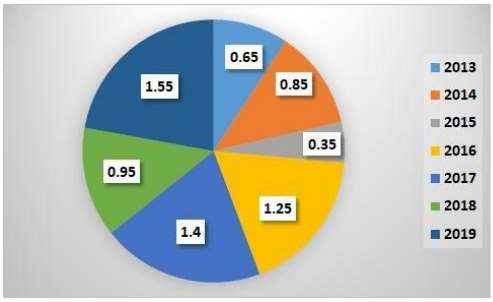
Q.6 The following pie chart shows the ratio of the amount of imports by a company to the amount of exports from that company from 2013 to 2019.



If the imports in 2016 were ₹250 million and the total exports in the years 2016 and 2017 together were ₹500 million, then the imports in 2017 were:

Ans
1. ₹320 million
2. ₹620 million
3. ₹420 million
4. ₹520 million

Question ID : **8161612710**
Status : **Not Answered**
Chosen Option : **--**

Q.7 If $\text{SecA} = \frac{\sqrt{11}}{3}$, then the value of $\frac{\text{Cosec}^2\text{A}+\text{Tan}^2\text{A}}{\text{Sin}^2\text{A}+\text{Cot}^2\text{A}}$ is:

Ans
1. $\frac{9}{4}$
2. $\frac{11}{9}$
3. $\frac{2}{11}$
4. $\frac{4}{9}$

Question ID : **8161612705**
Status : **Answered**
Chosen Option : **2**

Q.8 If $a + b = 8$ and $a + a^2b + b + ab^2 = 128$ then the positive value of $a^3 + b^3$ is:

Ans
1. 344
2. 96
3. 224
4. 152

Question ID : **8161612700**
Status : **Not Answered**
Chosen Option : **--**

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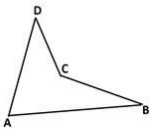
If in the following figure (not to scale), $\angle DAB + \angle CBA = 90°$, BC = AD, AB = 20 cm, CD = 10 cm then the area of the quadrilateral ABCD is:

Q.9



Ans

1. $120\ cm^2$
2. $75\ cm^2$
3. $100\ cm^2$
4. $150\ cm^2$

Question ID : **8161612699**
Status : **Not Answered**
Chosen Option : **--**

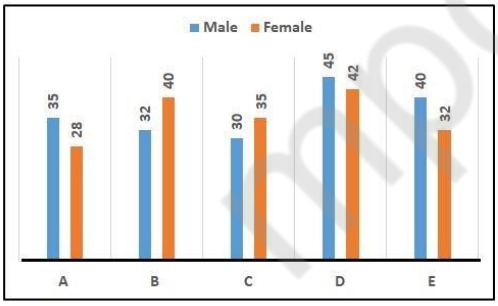
Q.10 Evaluate $45 - 5$ of $(6.3 \div 9) + 7 \times 0.5$.

Ans

1. 40
2. 45
3. 42
4. 50

Question ID : **8161612704**
Status : **Answered**
Chosen Option : **2**

The following graph gives the details of the male and female population (in thousands) across five places A, B, C, D and E.



Q.11 Based on the information, the total number of females in all five places is approximately what percentage of the total number of males in all five places?

Ans

1. 95%
2. 99%
3. 97%
4. 94%

Question ID : **8161612709**
Status : **Answered**
Chosen Option : **3**

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Q.12 The distance between the places H and O is D units. The average speed that gets a person from H to O in a stipulated time is S units. He takes 20 minutes more time than usual if he travels at 60 km/h, and reaches 44 minutes early if he travels at 75 km/h. The sum of the numerical values of D and S is:

Ans

✗ 1. 376

✗ 2. 358

✗ 3. 344

✓ 4. 384

Question ID : **8161612688**
Status : **Not Answered**
Chosen Option : --

Q.13 If $A = \frac{(0.1)^3 + (0.2)^3 + (0.3)^3 + 3(0.005 + 0.016 + 0.027) + 0.036}{(0.1)^2 + (0.2)^2 + (0.3)^2 + 0.04 + 0.06 + 0.12}$, then the value of 60A is:

Ans

✓ 1. 36

✗ 2. 30

✗ 3. 60

✗ 4. 20

Question ID : **8161612701**
Status : **Answered**
Chosen Option : **1**

Q.14 If CosA, SinA, CotA are in geometric progression, then the value of $\text{Tan}^6\text{A} - \text{Tan}^2\text{A}$ is:

Ans

✓ 1. 1

✗ 2. $\frac{1}{2}$

✗ 3. 3

✗ 4. $\frac{1}{3}$

Question ID : **8161612706**
Status : **Answered**
Chosen Option : **1**

Q.15 An oil merchant wants to make a minimum profit of ₹2,100 by selling 50 litres of oil he purchased at ₹236 per litre. For this, he adds a few litres of duplicate oil whose cost price is ₹180 per litre and sells at ₹250 per litre. How many litres of duplicate oil is needed for this purpose?

Ans

✗ 1. 16 litres

✗ 2. 18 litres

✓ 3. 20 litres

✗ 4. 22 litres

Question ID : **8161612693**
Status : **Not Answered**
Chosen Option : --

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Q.16 A triangle has sides 25, 39, 34 units. If the area of a square exceeds the area of this triangle by 21 units, then the side of the square is:

Ans
1. 22 units ✗
2. 18 units ✗
3. 25 units ✗
4. 21 units ✓

Question ID : **8161612698**
Status : **Answered**
Chosen Option : **4**

Q.17 If $\frac{(1+\sin\theta-\cos\theta)}{(1+\sin\theta+\cos\theta)}+\frac{(1+\sin\theta+\cos\theta)}{(1+\sin\theta-\cos\theta)}=4$, then which of the following values will be suitable for θ?

Ans
1. $45°$ ✗
2. $30°$ ✓
3. $90°$ ✗
4. $60°$ ✗

Question ID : **8161612707**
Status : **Answered**
Chosen Option : **1**

Q.18 The numbers 24, 45, a, 35, 59, 83, 46, b, 29, 74 are serially numbered as they appear in the sequence. When each number is added to its serial number, then the average of the new numbers formed is 55. The average of the missing numbers (a and b) is:

Ans
1. 62 ✗
2. 38 ✗
3. 50 ✓
4. 58 ✗

Question ID : **8161612690**
Status : **Not Answered**
Chosen Option : **--**

Q.19 The ratio of a man's age to his father's age is 4 : 5, and the ratio of his age to his son's age is 6 : 1. Four years ago these ratios were 11 : 14 and 11 : 1, respectively. The ratio of the age of the grandfather to that of the grandson 12 years from now will be:

Ans
1. 12 : 5 ✗
2. 18 : 5 ✓
3. 14 : 3 ✗
4. 18 : 7 ✗

Question ID : **8161612694**
Status : **Answered**
Chosen Option : **2**

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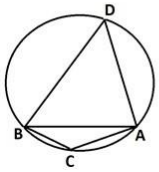
Q.20 A sphere is placed in a cube so that it touches all the faces of the cube. If 'a' is the ratio of the volume of the cube to the volume of the sphere, and 'b' is the ratio of the surface area of the sphere to the surface area of the cube, then the value of ab is:

Ans

1. $\frac{\pi^2}{36}$
2. 1
3. 4
4. $\frac{36}{\pi^2}$

Question ID : **8161612689**
Status : **Answered**
Chosen Option : **2**

Q.21 If in the following figure (not to the scale), $\angle ACB = 135°$ and the radius of the circle is $2\sqrt{2}$ cm, then the length of the chord AB is:



Ans

1. 4 cm
2. $3\sqrt{2}$ cm
3. 6 cm
4. $4\sqrt{2}$ cm

Question ID : **8161612697**
Status : **Not Answered**
Chosen Option : **--**

Q.22 If each edge of a cube is increased by 10%, then the percentage increase in its surface area is:

Ans

1. 22%
2. 19%
3. 20%
4. 21%

Question ID : **8161612692**
Status : **Answered**
Chosen Option : **4**

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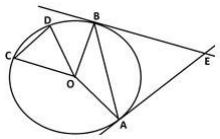
Q.23

In the following figure (not to scale), at the centre O, if the chord AB subtends double the angle that is subtended by chord CD and the angle $\angle AEB = 2\angle AOB$, then $\angle COD$ is equal to:



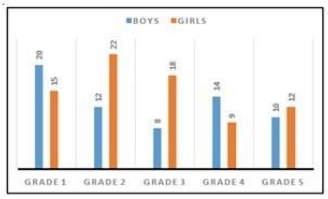
Ans

1. $30°$
2. $45°$
3. $75°$
4. $60°$

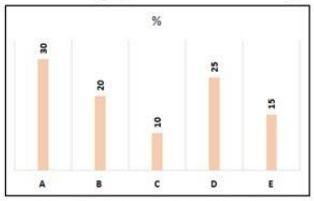
Question ID : **8161612696**
Status : **Not Answered**
Chosen Option : **--**

Q.24

The first graph shows the number of students (boys and girls in thousands) in Grade 1 to Grade 5.



And the bar graph below shows the percentage share of five schools in the total students studying in that class.



Based on the information, if the boys to girls ratio in school D is 3 : 1, then the number of boys studying in School D is:

Ans

1. 25550
2. 22450
3. 26250
4. 28750

Question ID : **8161612711**
Status : **Not Answered**
Chosen Option : **--**

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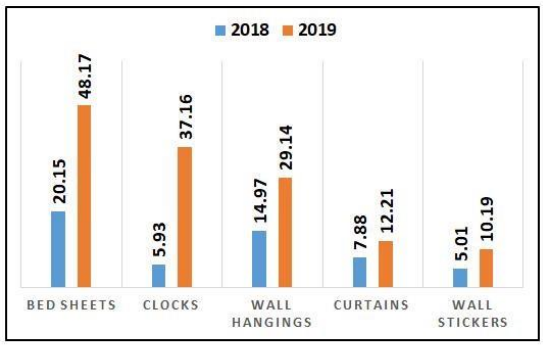
Q.25 A home decor company produces five different products - Bed sheets, Clocks, Wall hangings, Curtains and Wall stickers. The sales of these five products (in lakh number of packs) during 2018 and 2019 are shown in the following bar-graph.



Based on the given information, sales have increased by nearly 55% from 2018 to 2019 in the case of:

Ans

✗ 1. Wall hangings

✗ 2. Wall stickers

✗ 3. Bed sheets

✓ 4. Curtains

Question ID : **8161612708**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 **Which Indian banknote released in November 2016 features Mangalyaan on the reverse side?**

Ans

✗ 1. ₹500

✓ 2. ₹2,000

✗ 3. ₹200

✗ 4. ₹100

Question ID : **8161612719**
Status : **Not Answered**
Chosen Option : **--**

Q.2 **Which function key displays the Print Preview window in Microsoft Office?**

Ans

✓ 1. Ctrl + F2

✗ 2. Alt + Ctrl + F2

✗ 3. Shift + F2

✗ 4. Alt + F2

Question ID : **8161612712**
Status : **Answered**
Chosen Option : **1**

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Q.3 When was the Backward and Minority Communities Employees Federation (BAMCEF) established in India?

Ans
1. 1979
2. 1978
3. 1982
4. 1980

Question ID : **8161612733**
Status : **Not Answered**
Chosen Option : **--**

Q.4 India shares its land boundaries with which countries in the east?

Ans
1. Myanmar and Bangladesh
2. China, Nepal and Bhutan
3. Bhutan and Afghanistan
4. Pakistan and Afghanistan

Question ID : **8161612724**
Status : **Answered**
Chosen Option : **1**

Q.5 Which former Indian cricketer was honored with the 'Bharat Gaurav Award' by the East Bengal Football Club in 2019?

Ans
1. Sunil Gavaskar
2. Sachin Tendulkar
3. Rahul Dravid
4. Kapil Dev

Question ID : **8161612735**
Status : **Answered**
Chosen Option : **4**

Q.6 Which governor general of India abolished Sati system in 1829 by declaring it an offence?

Ans
1. Lord William Bentinck
2. Lord Wellesley
3. Lord Dalhousie
4. Lord Cornwallis

Question ID : **8161612729**
Status : **Answered**
Chosen Option : **4**

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Q.7 In 1930, which scientist was awarded the Nobel Prize for describing the human ABO blood group system?

Ans
1. George Wald
2. Karl Landsteiner
3. Albert Claude
4. Roger Guillemin

Question ID : **8161612723**
Status : **Answered**
Chosen Option : **2**

Q.8 How many parathyroid glands are present on the back side of the thyroid gland in humans?

Ans
1. Six
2. Five
3. Three
4. Four

Question ID : **8161612722**
Status : **Not Answered**
Chosen Option : **--**

Q.9 As per 'India State of Forest Report 2019', which state secured first position for the highest growth in forest area in the country?

Ans
1. Karnataka
2. Andhra Pradesh
3. Odisha
4. Madhya Pradesh

Question ID : **8161612717**
Status : **Answered**
Chosen Option : **4**

Q.10 In which state was the 8th edition of the India-China joint training exercise 'Hand-in-Hand 2019' held?

Ans
1. Manipur
2. Kerala
3. Maharashtra
4. Meghalaya

Question ID : **8161612716**
Status : **Answered**
Chosen Option : **4**

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Q.11 How many agro-climatic zones (ACZ) are characterised by the Planning Commission of India?

Ans
1. 20
2. 10
3. 15
4. 30

Question ID : **8161612726**
Status : **Not Answered**
Chosen Option : **--**

Q.12 In which year did the JavaScript Programming language come into existence?

Ans
1. 1995
2. 1999
3. 1990
4. 2000

Question ID : **8161612713**
Status : **Not Answered**
Chosen Option : **--**

Q.13 Who was conferred with the 'Female Sportsperson of the Year' award at the 'FICCI India Sports Awards 2019'?

1. Mary Kom
2. Rani Rampal
3. PV Sindhu
4. Geeta Phogat

Question ID : **8161612736**
Status : **Answered**
Chosen Option : **2**

Ans

Q.14 What is the mission life of the Cartosat-3 satellite launched by PSLV C-47 on 27 November 2019?

Ans
1. 3 years
2. 4 years
3. 5 years
4. 2 years

Question ID : **8161612718**
Status : **Not Answered**
Chosen Option : **--**

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Q.15 How many elements of India were listed in the UNESCO Representative List of the Intangible Cultural Heritage of Humanity as of March 2018?

Ans
1. 13
2. 14
3. 15
4. 18

Question ID : **8161612715**
Status : **Not Answered**
Chosen Option : **--**

Q.16 Which of the following is an example of the most explosive type of volcano?

Ans
1. Calderas volcanoes
2. Cinder cones volcanoes
3. Flood basalt volcanoes
4. Shield volcanoes

Question ID : **8161612725**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Which famous personality said the following?

"Don't take rest after your first victory because if you fail in second, more lips are waiting to say that your first victory was just luck?"

1. APJ Abdul Kalam
2. Atal Bihari Vajpayee
3. Homi Bhabha
4. Amartya Sen

Question ID : **8161612731**
Status : **Answered**
Chosen Option : **1**

Ans

Q.18 When was the first Constituent Assembly election held in India?

Ans
1. 1947
2. 1946
3. 1949
4. 1948

Question ID : **8161612732**
Status : **Answered**
Chosen Option : **2**

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Q.19 Which Chola ruler was popularly called 'Victor of the Ganges'?

Ans
1. Gandaraditya Chola
2. Rajendra Chola I
3. Parantaka Chola I
4. Vijayalaya Chola

Question ID : **8161612728**
Status : **Answered**
Chosen Option : **2**

Q.20 'Sattriya' is a traditional Hindu classical dance form of which state?

Ans
1. Odisha
2. Manipur
3. Goa
4. Assam

Question ID : **8161612714**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Cinnabar (HgS) is an ore of which metal?

1. Aluminum
2. Gold
3. Silver
4. Mercury

Question ID : **8161612721**
Status : **Answered**
Chosen Option : **4**

Ans

Q.22 Which of the following is a famous fossil site in India where a full-fledged skeleton of a dinosaur was found?

Ans
1. Zanskar Valley, Kashmir
2. Hathnora, Madhya Pradesh
3. Waddham, Maharashtra
4. Manendragarh, Chhattisgarh

Question ID : **8161612727**
Status : **Not Answered**
Chosen Option : **--**

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Q.23 Which of the following companies was conferred with Maharatna status in October 2019?

Ans
✔ 1. Hindustan Petroleum Corporation Limited
✘ 2. GAIL (India) Limited
✘ 3. Steel Authority of India limited
✘ 4. Bharat Petroleum Corporation Limited

Question ID : **8161612720**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Which Indian writer was awarded the 'Rabindranath Tagore Literary Prize 2019'?

Ans
✘ 1. Shashi Tharoor
✘ 2. Arundhati Roy
✘ 3. Ramachandra Guha
✔ 4. Rana Dasgupta

Question ID : **8161612730**
Status : **Not Answered**
Chosen Option : **--**

Q.25 The Maharaja Ranjit Singh Gold Cup is associated with _____.

Ans
✘ 1. Polo
✘ 2. Football
✘ 3. Cricket
✔ 4. Hockey

Question ID : **8161612734**
Status : **Not Answered**
Chosen Option : **--**

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