

Combined Higher Secondary Level Examination 2019 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 1 GT Karnal Road
Exam Date	18/03/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CHSL Tier 1

Section : English Language (Basic Knowledge)

Q.1 Select the most appropriate meaning of the given idiom.

Vanish into the air

- Ans
- ☒ 1. Perpetually postpone
 - ☒ 2. Totally dilute
 - ☒ 3. Permanently mix
 - ☒ 4. Completely disappear

Question ID : 42442918

Status : Answered

Chosen Option : 4

Q.2 Select the wrongly spelt word.

- Ans
- ☒ 1. Selection
 - ☒ 2. Conviction
 - ☒ 3. Defenition
 - ☒ 4. Valediction

Question ID : 42442919

Status : Answered

Chosen Option : 3

Q.3 Select the correct passive form of the given sentence.

The students have performed a new version of Shakespeare's 'Macbeth'.

- Ans
- ☒ 1. A new version of Shakespeare's 'Macbeth' has been performed by the students.
 - ☒ 2. Shakespeare's 'Macbeth' have been performed by the new version of the students.
 - ☒ 3. Shakespeare's 'Macbeth' has been performed by the new version of the students.
 - ☒ 4. A new version of Shakespeare's 'Macbeth' have been performed by the students.

Question ID : 4244291

Status : Answered

Chosen Option : 4

Q.4 Select the correct indirect form of the given sentence.

Shanti asked me, "Why did you keep this smartphone in the bin?"

- Ans**
- ☒ 1. Shanti asked me why I had kept that smartphone in the bin.
 - ☐ 2. Shanti asked me why I was keeping that smartphone in the bin.
 - ☐ 3. Shanti asked me why I had been keeping that smartphone in the bin.
 - ☐ 4. Shanti asked me why I kept that smartphone in the bin.

Question ID : **4244292**

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.

The internet is fast becoming trusted by (1)_____ children and adults as reliable and accurate (2)_____ of information. Through the internet children now have (3)_____ to an almost endless supply of information and opportunity for (4)_____. However, there can be real risks and dangers for an (5)_____ child.

SubQuestion No : 5

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

- Ans**
- ☐ 1. often
 - ☐ 2. not only
 - ☒ 3. both
 - ☐ 4. neither

Question ID : **4244296**

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.

The internet is fast becoming trusted by (1)_____ children and adults as reliable and accurate (2)_____ of information. Through the internet children now have (3)_____ to an almost endless supply of information and opportunity for (4)_____. However, there can be real risks and dangers for an (5)_____ child.

SubQuestion No : 6

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

- Ans**
- ☐ 1. piece
 - ☐ 2. deposit
 - ☒ 3. source
 - ☐ 4. collection

Question ID : **4244297**

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.

The internet is fast becoming trusted by (1)_____ children and adults as reliable and accurate (2)_____ of information. Through the internet children now have (3)_____ to an almost endless supply of information and opportunity for (4)_____. However, there can be real risks and dangers for an (5)_____ child.

SubQuestion No : 7

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

- Ans
- ☒ 1. gathering
 - ☒ 2. access
 - ☒ 3. ability
 - ☒ 4. easiness

Question ID : 4244298

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.

The internet is fast becoming trusted by (1)_____ children and adults as reliable and accurate (2)_____ of information. Through the internet children now have (3)_____ to an almost endless supply of information and opportunity for (4)_____. However, there can be real risks and dangers for an (5)_____ child.

SubQuestion No : 8

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

- Ans
- ☒ 1. deliberation
 - ☒ 2. intimation
 - ☒ 3. consultation
 - ☒ 4. interaction

Question ID : 4244299

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.

The internet is fast becoming trusted by (1)_____ children and adults as reliable and accurate (2)_____ of information. Through the internet children now have (3)_____ to an almost endless supply of information and opportunity for (4)_____. However, there can be real risks and dangers for an (5)_____ child.

SubQuestion No : 9

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

- Ans
- ☒ 1. unsupervised
 - ☒ 2. undeveloped
 - ☒ 3. unauthorised
 - ☒ 4. unparalleled

Question ID : 42442910

Status : **Answered**

Chosen Option : 1

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

Take one's hat off to someone

- Ans
- ☒ 1. Express anger
 - ☒ 2. Display humility
 - ☒ 3. Indicate disapproval
 - ☒ 4. Show admiration

Question ID : 42442917

Status : Answered

Chosen Option : 4

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

A person who is neither well experienced nor professional

- Ans
- ☒ 1. Amateur
 - ☒ 2. Proficient
 - ☒ 3. Veteran
 - ☒ 4. Expert

Question ID : 42442922

Status : Answered

Chosen Option : 1

Q.12 Select the most appropriate word to fill in the blank.

I had a broken bone in the hand which the doctor called a _____ and suggested immediate surgery.

- Ans
- ☒ 1. wound
 - ☒ 2. infection
 - ☒ 3. contamination
 - ☒ 4. fracture

Question ID : 42442925

Status : Answered

Chosen Option : 4

Q.13 Select the word which means the same as the group of words given.

Something which is considered to be very important

- Ans
- ☒ 1. Meagre
 - ☒ 2. Cardinal
 - ☒ 3. Scanty
 - ☒ 4. Supplementary

Question ID : 42442921

Status : Answered

Chosen Option : 1

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

JOVIAL

- Ans  1. Judgmental
 2. Joyous
 3. Jealous
 4. Jeering





Question ID : 42442924

Status : Answered

Chosen Option : 2

Q.15 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'.

As of you are here with me, who cares about the outcome of the issue.

- Ans  1. So long
 2. No improvement
 3. As long to
 4. As long as

Question ID : 42442914

Status : Answered

Chosen Option : 4

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

EARTHLY

- Ans  1. Temperamental
 2. Peripheral
 3. Celestial
 4. Temporal

Question ID : 42442916

Status : Answered

Chosen Option : 3

Q.17 Given below are four jumbled sentences. Out of the given options select the one that gives their correct order.

- A. One day, a strange crow from the west, landed on one of the branches.
B. There was a large mango tree deep inside a thick forest.
C. The branches were full of leaves, which crackled when the storm blew.
D. Its branches spread in all directions, lobbing a large shadow on the ground.

- Ans  1. BDCA
 2. BCAD
 3. CDBA
 4. ACDB

Question ID : 42442912

Status : Answered

Chosen Option : 1

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

- A. In the evening, Tejaswini would sing songs praising the Lord.
- B. She would go to the Lord's temple twice a day.
- C. Tejaswini was known in the village for her devotion to the Lord.
- D. In the morning, she would take with her a pot of milk and a bunch of flowers as offering.

- Ans
- ☒ 1. CADB
 - ☒ 2. DCAB
 - ☒ 3. CBDA
 - ☒ 4. ACDB

Question ID : 42442911
Status : Answered
Chosen Option : 3

Q.19 In the sentence identify the segment which contains the grammatical error.

Thomas is a man of word who have been paying back the borrowed money in instalments.

- Ans
- ☒ 1. the borrowed money
 - ☒ 2. in instalments
 - ☒ 3. Thomas is a man of word
 - ☒ 4. who have been paying back

Question ID : 4244293
Status : Answered
Chosen Option : 3

Q.20 Select the wrongly spelt word.

- Ans
- ☒ 1. Collaborate
 - ☒ 2. Comemorate
 - ☒ 3. Corporate
 - ☒ 4. Conjugate

Question ID : 42442920
Status : Answered
Chosen Option : 2

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

She has shown a great interest towards space science, since her early childhood and a passion to _____ the outer space.

- Ans
- ☒ 1. elicit
 - ☒ 2. entertain
 - ☒ 3. enlighten
 - ☒ 4. explore

Question ID : 42442926
Status : Answered
Chosen Option : 4

Q.22 In the sentence identify the segment which contains the grammatical error.

Though she was able to finish the work on time, she couldn't do that out in fear.

- Ans
- ☒ 1. finish the work on time,
 - ☒ 2. she couldn't do that
 - ☒ 3. Though she was able to
 - ☒ 4. out in fear

Question ID : 4244294

Status : Answered

Chosen Option : 2

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

CHOOSY

- Ans
- ☒ 1. Productive
 - ☒ 2. Frank
 - ☒ 3. Selective
 - ☒ 4. Tricky

Question ID : 42442923

Status : Answered

Chosen Option : 3

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

OBSCURE

- Ans
- ☒ 1. Ambiguous
 - ☒ 2. Clear
 - ☒ 3. Uncertain
 - ☒ 4. Vague

Question ID : 42442915

Status : Answered

Chosen Option : 2

Q.25 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

Before it was modified, the Law provided with the owner could take possession of the goods at any time.

- Ans
- ☒ 1. provided that
 - ☒ 2. provided on
 - ☒ 3. No improvement
 - ☒ 4. provided as

Question ID : 42442913

Status : Answered

Chosen Option : 1

Q.1 Rishabh is a 10 year old boy. If his mother is 20 years older than him and 6 years younger than his father, then what is his father's age?

- Ans**
- ☒ 1. 34 years
 - ☒ 2. 26 years
 - ☒ 3. 30 years
 - ☒ 4. 36 years

Question ID : 42442927

Status : **Answered**

Chosen Option : 4

Q.2 Select the option in which the given figure is embedded. (Rotation is not allowed)



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 42442948

Status : **Answered**

Chosen Option : 2

Q.3 In a certain code language, PAGER is written as MIDOO. How will ANGEL be written as in that language?

- Ans**
- ☒ 1. IKDOI
 - ☒ 2. AOIDK
 - ☒ 3. ILVDN
 - ☒ 4. AVIDI

Question ID : 42442935

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.4 In a code certain code language, MUSIC is coded as 60 and TUNE is coded as 56. How will LYRIC be coded as in that language?

- Ans**
- ☒ 1. 62
 - ☒ 2. 65
 - ☒ 3. 63
 - ☒ 4. 67

Question ID : 42442936

Status : **Answered**

Chosen Option : 3





Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All doors are teachers.
2. All teachers are cups.

Conclusions:

- I. All cups are doors.
- II. All doors are cups.
- III. All teachers are doors.
- IV. Some cups are teachers.

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

Question ID : 42442944

Status : **Answered**

Chosen Option : 3

Q.6 Select the option that is related to the third number in the same way as the second number is related to the first number.
9 : 121 :: 7 : ?

- Ans**
-  1. 81
 -  2. 102
 -  3. 105
 -  4. 79

Question ID : 42442929

Status : **Answered**

Chosen Option : 1

Q.7 Arrange the following words in a logical and meaningful order.

1. Letter
2. Satellite
3. Telephone
4. Smartphone

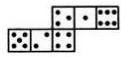
- Ans**
-  1. 3, 2, 1, 4
 -  2. 4, 3, 1, 2
 -  3. 1, 3, 4, 2
 -  4. 3, 1, 2, 4

Question ID : 42442934

Status : **Answered**

Chosen Option : 3

Q.8 If the following figure is folded to form a cube, then how many dots will be on the face opposite to the face having 2 dots?



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

Question ID : 42442945

Status : Answered

Chosen Option : 1

Q.9 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.

INTEX : EINTX :: SMALL : ?

- Ans**
- ☐ 1. ALMLV
 - ☐ 2. AJKLM
 - ☒ 3. ALLMS
 - ☐ 4. LLAMV

Question ID : 42442937

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.10 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

ab__cba__dd__abcd__baa__cba

- Ans**
- ☐ 1. abeaacdecdecdd
 - ☐ 2. acbdecdeaacecdd
 - ☒ 3. cddabccbadcbcd
 - ☐ 4. abbaacdeecdecdd

Question ID : 42442939

Status : Answered

Chosen Option : 3

Q.11 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

e_geef_gg_ee_f_ggg

- Ans**
- ☐ 1. g, f, e, f, f
 - ☐ 2. f, f, f, f, f
 - ☐ 3. f, g, f, g, g
 - ☒ 4. f, f, e, f, f

Question ID : 42442938

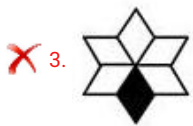
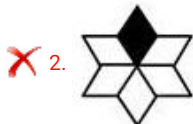
Status : Not Attempted and Marked For Review

Chosen Option : --

Q.12 Select the option figure that will come next in the following series.



Ans



Question ID : 42442946

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.13 Four letter-pairs have been given, out of which three are alike in some manner and one is different. Select the odd letter-pair.

Ans ✓ 1. BE

✗ 2. AY

✗ 3. US

✗ 4. OM

Question ID : 42442942

Status : **Answered**

Chosen Option : 1

Q.14 A and B can do a piece of work in 30 days and 18 days respectively. A started the work alone and then after 6 days B joined him till the completion of the work. In how many days has the whole work completed?

Ans ✗ 1. 17

✓ 2. 15

✗ 3. 9

✗ 4. 12

Question ID : 42442933

Status : **Answered**

Chosen Option : 2

Q.15 Select the option in which the words share the same relationship as that shared by the given pair of words.

Chair : Furniture

Ans ☒ 1. Letter paper : Stationary

☒ 2. Pencil : Wood

☒ 3. Bicycle : Travel

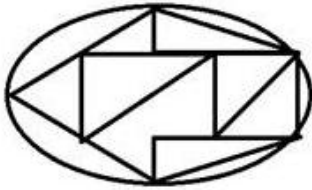
☒ 4. Seat : Cover

Question ID : 42442941

Status : Answered

Chosen Option : 2

Q.16 How many triangles are there in the given figure?



Ans ☒ 1. 12

☒ 2. 10

☒ 3. 8

☒ 4. 13

Question ID : 42442947

Status : Answered

Chosen Option : 3

Q.17 Which two signs should be interchanged to make the following equation correct?

$$4 \div 6 + 9 - 48 \times 8 = 27$$

Ans ☒ 1. + and \times

☒ 2. + and -

☒ 3. \div and +

☒ 4. \div and \times

Question ID : 42442928

Status : Answered

Chosen Option : 4

Q.18 Select the number that can replace the question mark (?) in the following series.

2, 8, 15, 24, 36, 52, ?

Ans ☒ 1. 83

☒ 2. 73

☒ 3. 78

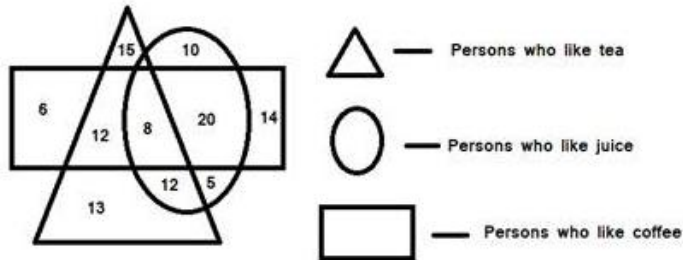
☒ 4. 63

Question ID : 42442932

Status : Answered

Chosen Option : 2

Q.19 Study the following diagram and answer the given question.



How many people like both tea and coffee, but do NOT like juice?

- Ans
- ☒ 1. 22
 - ☒ 2. 12
 - ☒ 3. 8
 - ☒ 4. 20

Question ID : 42442951
Status : Answered
Chosen Option : 2

Q.20 Which two signs and numbers should be interchanged to make the following equation correct?

$$16 \times 18 + 2 - 14 \div 3 = 38$$

- Ans
- ☒ 1. 14 and 18, + and -
 - ☒ 2. 16 and 14, - and \times
 - ☒ 3. 14 and 18, + and \times
 - ☒ 4. 16 and 3, - and \div

Question ID : 42442931
Status : Answered
Chosen Option : 3

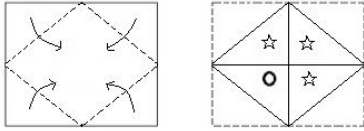
Q.21 Which of the options is the exact mirror image of the given alphanumeric figure when the mirror is held at the right side?

AHTOITG46Q34

- Ans
- ☒ 1. 4EQ04GTIOTHA
 - ☒ 2. 4EQ04GITOTHA
 - ☒ 3. 4EQ04GLIOHTV
 - ☒ 4. 4EQ04GLIOTHV

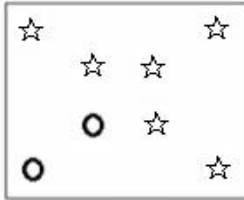
Question ID : 42442950
Status : Answered
Chosen Option : 1

Q.22 A paper is folded and cut as shown in the following figures. How will this paper appear when unfolded?



Ans

✓ 1.



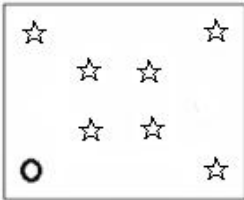
✗ 2.



✗ 3.



✗ 4.



Question ID : 42442949

Status : Answered

Chosen Option : 1

Q.23 Sheela introduced Rahul saying, "His sister is the single daughter of my mother". How are Rahul and Sheela related to each other?

Ans

✗ 1. Uncle-Niece

✗ 2. Cousins

✓ 3. Brother-Sister

✗ 4. Son-Mother

Question ID : 42442940

Status : Answered

Chosen Option : 3

Q.24 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(2, 6, 32)

- Ans
- ☒ 1. (9, 13, 43)
 - ☒ 2. (4, 12, 36)
 - ☒ 3. (8, 18, 80)
 - ☒ 4. (4, 8, 34)

Question ID : 42442930
Status : Answered
Chosen Option : 2

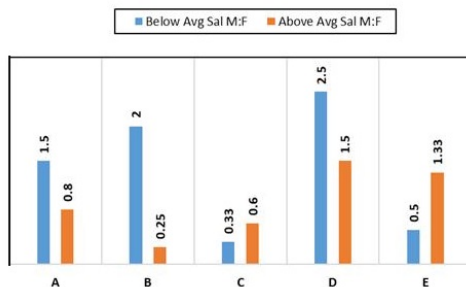
Q.25 In a certain code language, 'APRICOT' is written as 'GLXRIKZ' then how will 'ORANGE' be written in the same code language?

- Ans
- ☒ 1. LIZMTV
 - ☒ 2. VTNZHM
 - ☒ 3. VTMZIL
 - ☒ 4. LHZMSV

Question ID : 42442943
Status : Answered
Chosen Option : 3

Section : Quantitative Aptitude(Basic Arithmetic Skill)

Q.1 The following graph shows the data of five companies A, B, C, D, E with respect to the male and female ratio of employees above, or below the average salary.



If in the company D, the percentage of employees above the average salary is 16% which is equal to 80, then the number of employees below average salary are:

- Ans
- ☒ 1. 520
 - ☒ 2. 300
 - ☒ 3. 420
 - ☒ 4. 470

Question ID : 42442973
Status : Answered
Chosen Option : 3

Q.2 25 men can complete a task in 16 days. Four days after they started working, 5 more men, with equal workmanship, joined them. How many days will be needed by all to complete the remaining task?

- Ans**
- ☒ 1. 10 days
 - ☐ 2. 12 days
 - ☐ 3. 15 days
 - ☐ 4. 18 days

Question ID : 42442952
Status : **Answered**
Chosen Option : 1

Q.3 If $\frac{4}{1+\sqrt{2}+\sqrt{3}} = a + b\sqrt{2} + c\sqrt{3} - d\sqrt{6}$, where a, b, c, d are natural numbers, then the value of $a + b + c + d$ is:

- Ans**
- ☐ 1. 1
 - ☐ 2. 0
 - ☐ 3. 2
 - ☒ 4. 4

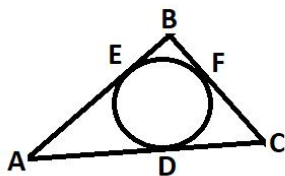
Question ID : 42442965
Status : **Not Answered**
Chosen Option : --

Q.4 A person purchased 40 items at some price. He sold some items at a profit of 30% by selling them at a price equal to the cost price of 26 items. The remaining items are sold at 18% profit. The total profit percentage is:

- Ans**
- ☐ 1. 27%
 - ☐ 2. 28%
 - ☒ 3. 24%
 - ☐ 4. 25%

Question ID : 42442958
Status : **Not Answered**
Chosen Option : --

Q.5



A circle is inscribed in the triangle ABC whose sides are given as AB = 10, BC = 8, CA = 12 units as shown in the figure. The value of $AD \times BF$ is:

- Ans**
- ☒ 1. 21 units
 - ☐ 2. 15 units
 - ☐ 3. 18 units
 - ☐ 4. 16 units

Question ID : 42442962
Status : **Answered**
Chosen Option : 1

Q.6

If $\left[\left\{ \left(\frac{2}{3} \right)^3 \right\}^{(2x+3)} \right]^{\frac{-3}{4}} = \left[\left\{ \left(\frac{2}{3} \right)^{\frac{2}{3}} \right\}^{(3x+7)} \right]^{\frac{-6}{5}}$, then the value of $\sqrt{2-42x}$ is:

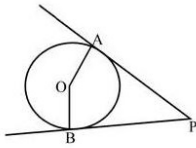
- Ans
- ☒ 1. 6
 - ☒ 2. 5
 - ☒ 3. 3
 - ☒ 4. 4

Question ID : 42442967

Status : Not Answered

Chosen Option : --

Q.7



PA and PB are tangents to the circle and O is the centre of the circle. The radius is 5 cm and PO is 13 cm. If the area of the triangle PAB is M, then the value of $\sqrt{\frac{M}{15}}$ is:

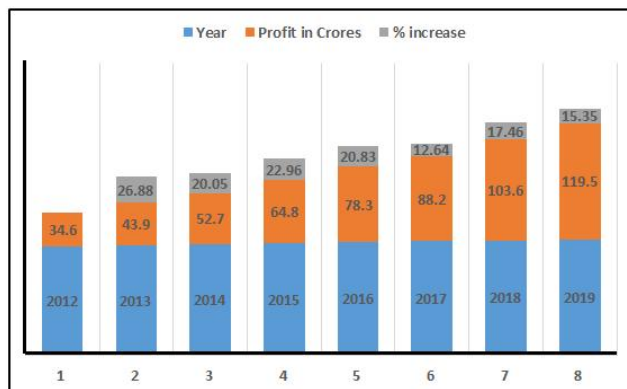
- Ans
- ☒ 1. $\frac{12}{13}$
 - ☒ 2. $\frac{24}{13}$
 - ☒ 3. $\sqrt{\frac{12}{13}}$
 - ☒ 4. $\sqrt{\frac{24}{13}}$

Question ID : 42442964

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 The following graph shows the profit (in crore ₹) earned by a company in the years from 2012 to 2019.



The percentage increase in the profit from the previous year, is greatest in the year:

- Ans
- ☒ 1. 2017
 - ☒ 2. 2015
 - ☒ 3. 2018
 - ☒ 4. 2013

Question ID : 42442976

Status : Answered

Chosen Option : 3

Q.9 If $a \sin A + b \cos A = c$, then $a \cos A - b \sin A$ is equal to:

- Ans
- ☒ 1. $\sqrt{a^2 + b^2 - c^2}$
 - ☒ 2. $\sqrt{a^2 + b^2 + c^2}$
 - ☒ 3. $\sqrt{a^2 - b^2 + c^2}$
 - ☒ 4. $\sqrt{a^2 - b^2 - c^2}$

Question ID : 42442971

Status : Not Answered

Chosen Option : --

Q.10 If the length of a rectangle is increased by 12% and the breadth is decreased by 8%, the net effect on the area is:

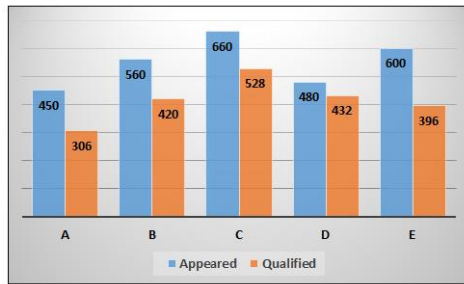
- Ans
- ☒ 1. decrease by 2.6%
 - ☒ 2. increase by 3.04%
 - ☒ 3. increase by 2.6%
 - ☒ 4. decrease by 3.04%

Question ID : 42442954

Status : Answered

Chosen Option : 2

Q.11 The following graph shows the data of the number of candidates that appeared and qualified for a competitive exam from the colleges A, B, C, D, E.



Based on the information, the difference between the percentage of students that qualified, from the colleges B and D is:

- Ans**
- ☒ 1. 18
 - ☒ 2. 15
 - ☒ 3. 12
 - ☒ 4. 20

Question ID : 42442975

Status : Answered

Chosen Option : 2

Q.12 In a 56 liters mixture of milk and water, the ratio of milk to water is 5 : 2. In order to make the ratio of milk to water 7 : 2, some quantity of milk is to be added to the mixture. The quantity of the milk present in the new mixture will be:

- Ans**
- ☒ 1. 16 liters
 - ☒ 2. 40 liters
 - ☒ 3. 48 liters
 - ☒ 4. 56 liters

Question ID : 42442959

Status : Answered

Chosen Option : 4

Q.13 If the value of $\frac{3x\sqrt{y}+2y\sqrt{x}}{3x\sqrt{y}-2y\sqrt{x}} - \frac{3x\sqrt{y}-2y\sqrt{x}}{3x\sqrt{y}+2y\sqrt{x}}$ is same as that of $\sqrt{x}\sqrt{y}$, then which of the following relations between x and y is correct?

- Ans**
- ☒ 1. $9x + 4y = 36$
 - ☒ 2. $9x + 4y = 24$
 - ☒ 3. $9x - 4y = 36$
 - ☒ 4. $9x - 4y = 24$

Question ID : 42442966

Status : Not Answered

Chosen Option : --

Q.14 A man has ₹10,000. He lent a part of it at 15% simple interest and the remaining at 10% simple interest. The total interest he received after 5 years amounted to ₹6,500. The difference between the parts of the amounts he lent is:

- Ans
- ☒ 1. ₹1,750
 - ☒ 2. ₹2,500
 - ☒ 3. ₹2,000
 - ☒ 4. ₹1,500

Question ID : 42442960

Status : Answered

Chosen Option : 3

Q.15 If one side of a triangle is 7 with its perimeter equal to 18, and area equal to $\sqrt{108}$, then the other two sides are:

- Ans
- ☒ 1. 3.5 and 7.5
 - ☒ 2. 6 and 5
 - ☒ 3. 7 and 4
 - ☒ 4. 3 and 8

Question ID : 42442963

Status : Answered

Chosen Option : 4

Q.16 $\frac{1-\tan A}{1+\tan A} = \frac{\tan 3^\circ \tan 15^\circ \tan 30^\circ \tan 75^\circ \tan 87^\circ}{\tan 27^\circ \tan 39^\circ \tan 51^\circ \tan 60^\circ \tan 63^\circ}$, then the value of $\cot A$ is:

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

Question ID : 42442972

Status : Not Answered

Chosen Option : --

Q.17 If x is the square of the number when $\left(\frac{2}{5} \text{ of } 6\frac{1}{4} + \frac{3}{7}\right) \text{ of } 1\frac{2}{7}$ is divided by $11\frac{1}{4}$, then the value of $81x$ is:

- Ans
- ☒ 1. 16
 - ☒ 2. 4
 - ☒ 3. 36
 - ☒ 4. 9

Question ID : 42442969

Status : Answered

Chosen Option : 3

Q.18 Ravi starts for his school from his house on his cycle at 8:20 a.m. If he runs his cycle at a speed of 10 km/h, he reaches his school 8 minutes late, and if he drives the cycle at a speed of 16 km/h, he reaches his school 10 minutes early. The school starts at:

- Ans
- ☒ 1. 9:40 a.m.
 - ☒ 2. 8:40 a.m.
 - ☒ 3. 8:50 a.m.
 - ☒ 4. 9:00 a.m.

Question ID : 42442953

Status : Not Answered

Chosen Option : --

Q.19 If $a\%$ of 240 is c and $c\%$ of a is 117.6, then the value of $a + c$ is:

- Ans
- ☒ 1. 144
 - ☒ 2. 260
 - ☒ 3. 196
 - ☒ 4. 238

Question ID : 42442957

Status : Not Answered

Chosen Option : --

Q.20 A secant is drawn from a point P to a circle so that it meets the circle first at A, then goes through the centre, and leaves the circle at B. If the length of the tangent from P to the circle is 12 cm, and the radius of the circle is 5 cm, then the distance from P to A is:

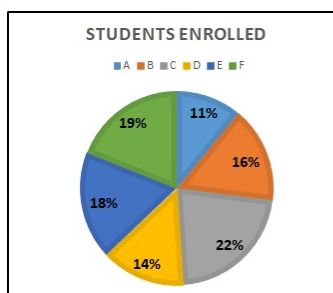
- Ans
- ☒ 1. 10 cm
 - ☒ 2. 8 cm
 - ☒ 3. 12 cm
 - ☒ 4. 18 cm

Question ID : 42442961

Status : Not Answered

Chosen Option : --

Q.21 The given pie chart shows the percentage of students enrolled into the colleges A, B, C, D, E and F in a city, and the table shows the ratio of boys to girls in the college.



A	9 : 4
B	5 : 9
C	3 : 4
D	7 : 2
E	1 : 4
F	3 : 2

Based on this information, if the total number of students is 9800, then the number of girls in the college B is:

- Ans
- ☒ 1. 504
 - ☒ 2. 560
 - ☒ 3. 280
 - ☒ 4. 1008

Question ID : 42442974

Status : Answered

Chosen Option : 4

Q.22 A shopkeeper pays 12% of the cost price as tax while purchasing an item whose cost is ₹500. He wants to earn a profit of 20% after giving a discount of 16% on the marked price. So, the marked price should be:

- Ans ☒ 1. ₹800
☒ 2. ₹780
☒ 3. ₹960
☒ 4. ₹840

Question ID : 42442956

Status : Not Answered

Chosen Option : --

Q.23 If $\tan a = \frac{2}{\sqrt{13}}$, then the value of $\frac{\operatorname{cosec}^2 a + 2 \sec^2 a}{\operatorname{cosec}^2 a - 3 \sec^2 a}$ is:

- Ans ☒ 1. 16
☒ 2. 32
☒ 3. 14
☒ 4. 21

Question ID : 42442970

Status : Not Answered

Chosen Option : --

Q.24 Which of the following numbers is divisible by 2, 5 and 10?

- Ans ☒ 1. 7,20,345
☒ 2. 149
☒ 3. 19,400
☒ 4. 1,25,372

Question ID : 42442968

Status : Answered

Chosen Option : 4

Q.25 Several students have taken an exam. There was an error in the answer key which affected the marks of 48 students, and their average marks reduced from 78 to 66. The average of remaining students increased by 3.5 marks. This resulted the reduction of the average of all students by 4.5 marks. The number of students that attended the exam is:

- Ans ☒ 1. 96
☒ 2. 84
☒ 3. 100
☒ 4. 93

Question ID : 42442955

Status : Not Answered

Chosen Option : --

Q.1 Which of the following cities hosted the third edition of the Khelo India Youth Games?

- Ans
- ☒ 1. Panaji
 - ☒ 2. Cuttack
 - ☒ 3. Guwahati
 - ☒ 4. Patna

Question ID : 42442982
Status : Answered
Chosen Option : 3

Q.2 Who among the following was conferred with the 'Dadasaheb Phalke Award 2019'?

- Ans
- ☒ 1. Kabir Bedi
 - ☒ 2. Anupam Kher
 - ☒ 3. Amitabh Bachchan
 - ☒ 4. Dilip Kumar

Question ID : 42442995
Status : Answered
Chosen Option : 3

Q.3 Who among the following won ICC's '2019 Sir Garfield Sobers Trophy'?

- Ans
- ☒ 1. Virat Kohli
 - ☒ 2. Ben Stokes
 - ☒ 3. Rohit Sharma
 - ☒ 4. Ken Williamson

Question ID : 42442996
Status : Answered
Chosen Option : 2

Q.4 In the context of memory size in computer data storage, one gigabyte is equal to how many megabytes?

- Ans
- ☒ 1. 1012 MB
 - ☒ 2. 32 MB
 - ☒ 3. 64 MB
 - ☒ 4. 1024 MB

Question ID : 42442977
Status : Answered
Chosen Option : 4

Q.5 Who was the Chairman of the Drafting Committee of the Constituent Assembly of India?

- Ans
- ☒ 1. BR Ambedkar
 - ☒ 2. Jawaharlal Nehru
 - ☒ 3. Sardar Vallabhbhai Patel
 - ☒ 4. Rajendra Prasad

Question ID : 42442993
Status : Answered
Chosen Option : 1

Q.6 A hard disk is an example of which type of data storage device?

- Ans ☒ 1. Secondary Storage
- ☐ 2. Tertiary Storage
- ☐ 3. Primary Storage
- ☐ 4. Offline Storage

Question ID : 42442978
Status : Answered
Chosen Option : 1

Q.7 Who among the following was appointed as the Deputy Governor of Reserve Bank of India (RBI) in January 2020?

- Ans ☐ 1. NS Vishwanathan
- ☐ 2. BP Kanungo
- ☒ 3. Michael Debabrata Patra
- ☐ 4. Viral Acharya

Question ID : 42442981
Status : Answered
Chosen Option : 3

Q.8 What was India's overall rank in the medals tally in the 23rd edition of the Asian Athletics Championship?

- Ans ☒ 1. Fourth
- ☐ 2. Fifth
- ☐ 3. First
- ☐ 4. Third

Question ID : 424429101
Status : Answered
Chosen Option : 1

Q.9 The rhythmic rise and fall of ocean water twice in a day is called ____.

- Ans ☐ 1. Wave
- ☐ 2. Current
- ☐ 3. Tsunami
- ☒ 4. Tide

Question ID : 42442989
Status : Answered
Chosen Option : 4

Q.10 Who among the following won the 'Women's World Rapid Chess Championship 2019'?

- Ans ☐ 1. Lei Tingjie
- ☐ 2. Dronavalli Harika
- ☐ 3. Sopiko Khukhashvili
- ☒ 4. Koneru Humpy

Question ID : 42442999
Status : Not Answered
Chosen Option : --

Q.11 Which of the following articles of the Constitution of India has a provision for financial emergency?

- Ans
- ☒ 1. Article 365
 - ☒ 2. Article 330
 - ☒ 3. Article 356
 - ☒ 4. Article 360

Question ID : 42442997

Status : Answered

Chosen Option : 1

Q.12 Which of the following is NOT a credit rating agency in India?

- Ans
- ☒ 1. RBI
 - ☒ 2. CRISIL
 - ☒ 3. CARE
 - ☒ 4. ICRA

Question ID : 42442984

Status : Answered

Chosen Option : 1

Q.13 Who among the following took charge as India's first Chief of Defence Staff (CDS) on 1 January 2020?

- Ans
- ☒ 1. Navy Chief Admiral Karambir Singh
 - ☒ 2. General Manoj Mukund Naravane
 - ☒ 3. General Bipin Rawat
 - ☒ 4. Air Chief Marshal Rakesh Kumar Singh Bhadauria

Question ID : 42442983

Status : Answered

Chosen Option : 3

Q.14 The 'Kathakali' dance is a harmonious combination of _____ forms of fine art.

- Ans
- ☒ 1. five
 - ☒ 2. seven
 - ☒ 3. four
 - ☒ 4. six

Question ID : 42442980

Status : Not Answered

Chosen Option : --

Q.15 Which of the following teams won the 129th edition of Durand Cup in August 2019?

- Ans
- ☒ 1. East Bengal
 - ☒ 2. Mohammedan Sporting Club
 - ☒ 3. Mohun Bagan
 - ☒ 4. Gokulam Kerala

Question ID : 424429100

Status : Not Answered

Chosen Option : --

Q.16 Under which of the following schemes has the Government of India set up a new institution for development and refinancing activities related to micro units?

- Ans ☒ 1. Pradhan Mantri MUDRA Yojana
☐ 2. Pradhan Mantri Sadak Yojana
☐ 3. Pradhan Mantri Yojna
☐ 4. Pradhan Mantri MNREGA Yojana

Question ID : 42442985

Status : Not Answered

Chosen Option : --

Q.17 Tummalapalle, believed to have one of the largest uranium reserves in the world, is situated in which of the following states?

- Ans ☐ 1. Tamil Nadu
☐ 2. Karnataka
☐ 3. Telangana
☒ 4. Andhra Pradesh

Question ID : 42442991

Status : Not Answered

Chosen Option : --

Q.18 In which of the following years did India come under the direct rule of the British crown?

- Ans ☐ 1. 1888
☐ 2. 1878
☒ 3. 1858
☐ 4. 1868

Question ID : 42442994

Status : Answered

Chosen Option : 2

Q.19 _____ is the term used for breeding of fish in specially constructed tanks and ponds.

- Ans ☐ 1. Horticulture
☐ 2. Agriculture
☒ 3. Pisciculture
☐ 4. Viticulture

Question ID : 42442990

Status : Answered

Chosen Option : 3

Q.20 Who among the following scientists invented dynamite?

- Ans ☐ 1. Rudolf Diesel
☐ 2. Benjamin Franklin
☒ 3. Alfred Nobel
☐ 4. Thomas Alva Edison

Question ID : 42442986

Status : Answered

Chosen Option : 2

Q.21 Which of the following is a disease caused by protozoa?

- Ans
- ☐ 1. Small Pox
 - ☐ 2. AIDS
 - ☒ 3. Kala azar
 - ☐ 4. Rabies

Question ID : 42442987
Status : Answered
Chosen Option : 1

Q.22 Which is the largest uranium producing country in the world?

- Ans
- ☐ 1. Uzbekistan
 - ☐ 2. USA
 - ☐ 3. India
 - ☒ 4. Kazakhstan

Question ID : 42442992
Status : Answered
Chosen Option : 4

Q.23 'Gurpurab' is the most important and sacred festival of the Sikh community. In which of the following months of the Hindu calendar is it celebrated?

- Ans
- ☐ 1. Jyaistha
 - ☒ 2. Kartik
 - ☐ 3. Shravana
 - ☐ 4. Vaisakha

Question ID : 42442979
Status : Not Answered
Chosen Option : --

Q.24 Which of the following statements is correct?

- Ans
- ☐ 1. The Governor has no power to grant pardon in respect of punishment or sentence inflicted by Court Martial.
 - ☐ 2. The President has no power to grant pardon in respect of punishment or sentence inflicted by Court Martial.
 - ☐ 3. The Governor has no power to suspend, remit or commute a sentence of death.
 - ☒ 4. The Governor has power to grant pardon in case of a death sentence.

Question ID : 42442998
Status : Answered
Chosen Option : 3

Q.25 Which of the following scientists was awarded a Nobel Prize for his services to Theoretical Physics, and especially for his discovery of the Law of the Photoelectric Effect?

- Ans
- ☐ 1. Ernest Rutherford
 - ☐ 2. Thomas Edison
 - ☐ 3. Nikola Tesla
 - ☒ 4. Albert Einstein

Question ID : 42442988
Status : Answered
Chosen Option : 3