

Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	www.qmaths.in
Candidate Name	www.qmaths.in
Venue Name	iON Digital Zone iDZ 1 Mathura Road
Exam Date	06/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Higher Secondary Level Exam 2020

Section : English Language

Q.1 Select the most appropriate meaning of the underlined idiom in the given sentence.

He is very impulsive and does things without rhyme or reason.

- Ans
- ☒ 1. without proper planning
 - ☒ 2. without a reasonable explanation
 - ☒ 3. without any resources
 - ☒ 4. without anyone's help

Question ID : 6549788360

Status : Answered

Chosen Option : 2

Q.2 The following sentence has been split into four segments. Identify the segment which contains a grammatical error.

Notwithstanding we were / all busy that weekend / we had to / cancel the outing.

- Ans
- ☒ 1. cancel the outing
 - ☒ 2. all busy that weekend
 - ☒ 3. Notwithstanding we were
 - ☒ 4. we had to

Question ID : 6549789153

Status : Not Answered

Chosen Option : --

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

"I love Bollywood music," Deepu said to Reena.

- Ans
- ☒ 1. Deepu says to Reena that he loves Bollywood music.
 - ☒ 2. Deepu told Reena that he loved Bollywood music.
 - ☒ 3. Deepu will say to Reena that he loved Bollywood music.
 - ☒ 4. Deepu had told Reena that he loved Bollywood music.

Question ID : 6549789152

Status : Answered

Chosen Option : 2

Q.4 Examine the four jumbled sentences. Out of the given options, pick the one that gives their correct order.

- A. Next, keep tapping the pot on all sides and at the bottom until the plant loosens.
- B. Finally, slide the plant gently and remove the old potting mix on a newspaper.
- C. The first thing to do when repotting is to remove the plant from the current pot.
- D. Begin by holding the plant gently, and turning the pot sideways.

Ans ☒ 1. BDAC

☒ 2. ACDB

☒ 3. CDAB

☒ 4. DBCA

Question ID : 6549789161

Status : Answered

Chosen Option : 3

Q.5 Fill in the blank with most appropriate word.

This part of the sea _____ with sharks.

Ans ☒ 1. teems

☒ 2. expands

☒ 3. suffices

☒ 4. crowds

Question ID : 6549788368

Status : Answered

Chosen Option : 3

Q.6 Given below are four sentences in jumbled order. Select the option that gives their correct order.

- A. Then he started on his eighteen kilometer expedition back to his village.
- B. Mohan first equipped himself with a long, sturdy stick.
- C. At several points, he lost the road and had to swim his way ahead.
- D. It was a journey he would never forget where he had to use his stick constantly to locate the road.

Ans ☒ 1. ACBD

☒ 2. DCAB

☒ 3. BADC

☒ 4. CDBA

Question ID : 6549788354

Status : Answered

Chosen Option : 3

Q.7 Select the word which means the same as the group of words given.

Killing of one's mother

Ans ☒ 1. matricide

☒ 2. patricide

☒ 3. infanticide

☒ 4. regicide

Question ID : 6549789172

Status : Answered

Chosen Option : 1

Q.8 Select the most appropriate ANTONYM of the given word.

LAVISH

- Ans ☒ 1. frugal
☐ 2. tiny
☐ 3. luxurious
☐ 4. excessive

Question ID : 6549789165
Status : Answered
Chosen Option : 2

Q.9 Select the most appropriate one-word substitution for the given words.

a period of two weeks

- Ans ☐ 1. century
☐ 2. month
☐ 3. decade
☒ 4. fortnight

Question ID : 6549788363
Status : Answered
Chosen Option : 4

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

To add insult to injury

- Ans ☐ 1. to wound physically
☒ 2. to make something worse
☐ 3. to make fun of someone
☐ 4. to work hard on making up

Question ID : 6549789167
Status : Answered
Chosen Option : 2

Q.11 Select the most appropriate synonym of the given word.

CALLOUS

- Ans ☒ 1. insensitive
☐ 2. inaccurate
☐ 3. inexperienced
☐ 4. incredible

Question ID : 6549788366
Status : Not Answered
Chosen Option : --

Q.12 Select the INCORRECTLY spelt word.

- Ans ☒ 1. titilate
☒ 2. initiate
☒ 3. aggravate
☒ 4. mediate

Question ID : 6549789170
Status : Answered
Chosen Option : 1

Q.13 Select the most appropriate word to fill in the blank.

It is _____ to see so many of our fellow Indians help the migrants in their struggle to go home.

- Ans ☒ 1. savouring
☒ 2. reuniting
☒ 3. relishing
☒ 4. heartening

Question ID : 6549789175
Status : Answered
Chosen Option : 3

Q.14 Select the correct passive form of the given sentence.

He drove the car very carefully on the hilly terrain.

- Ans ☒ 1. The car is driven very carefully on the hilly terrain.
☒ 2. The car has been driven very carefully on the hilly terrain.
☒ 3. The car is being driven very carefully on the hilly terrain.
☒ 4. The car was driven very carefully on the hilly terrain.

Question ID : 6549788343
Status : Answered
Chosen Option : 4

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 substitution'.

Small desert animals burrow underground across the days and come out only at night.

- Ans ☒ 1. No substitution
☒ 2. during the day
☒ 3. within the days
☒ 4. between days

Question ID : 6549788355
Status : Answered
Chosen Option : 2

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

AFFINITY

- Ans
- ☒ 1. inclination
 - ☒ 2. weakness
 - ☒ 3. attraction
 - ☒ 4. aversion

Question ID : 6549788358
Status : Not Answered
Chosen Option : --

Q.17 Select the misspelt word.

- Ans
- ☒ 1. serious
 - ☒ 2. applause
 - ☒ 3. modern
 - ☒ 4. arrivel

Question ID : 6549788361
Status : Answered
Chosen Option : 4

Q.18 Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'

I must have dropped one of my gloves in the car.

- Ans
- ☒ 1. an
 - ☒ 2. No improvement
 - ☒ 3. any
 - ☒ 4. the

Question ID : 6549789164
Status : Answered
Chosen Option : 2

Q.19 Select the most appropriate synonym of the given word.

LIVID

- Ans
- ☒ 1. furious
 - ☒ 2. lively
 - ☒ 3. mild
 - ☒ 4. timid

Question ID : 6549789173
Status : Answered
Chosen Option : 1

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

If you rent a house near your office, it will save you time as well as also money.

- Ans
- ☒ 1. near your office
 - ☒ 2. If you rent a house
 - ☒ 3. it will save you time
 - ☒ 4. as well as also money

Question ID : 6549788346

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 number.

In the 'Kingdom of Fools', both the king and the ministers were complete fools. They didn't want to do things (1)_____ other kingdoms, so they decided to (2)_____ night into day and day into night. They (3)_____ that everyone should be awake at night, (4)_____ their lands and run their (5)_____ only after dark and should go to bed as soon as the sun came up.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in the blank no. 1.

- Ans
- ☒ 1. same
 - ☒ 2. like
 - ☒ 3. so as
 - ☒ 4. than

Question ID : 6549788348

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 number.

In the 'Kingdom of Fools', both the king and the ministers were complete fools. They didn't want to do things (1)_____ other kingdoms, so they decided to (2)_____ night into day and day into night. They (3)_____ that everyone should be awake at night, (4)_____ their lands and run their (5)_____ only after dark and should go to bed as soon as the sun came up.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in the blank no. 2.

- Ans
- ☒ 1. agree
 - ☒ 2. develop
 - ☒ 3. change
 - ☒ 4. adjust

Question ID : 6549788349

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 number.

In the 'Kingdom of Fools', both the king and the ministers were complete fools. They didn't want to do things (1)_____ other kingdoms, so they decided to (2)_____ night into day and day into night. They (3)_____ that everyone should be awake at night, (4)_____ their lands and run their (5)_____ only after dark and should go to bed as soon as the sun came up.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in the blank no. 3.

- Ans ☒ 1. ordered
☒ 2. believed
☒ 3. ruled
☒ 4. presented

Question ID : 6549788350
 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 number.

In the 'Kingdom of Fools', both the king and the ministers were complete fools. They didn't want to do things (1)_____ other kingdoms, so they decided to (2)_____ night into day and day into night. They (3)_____ that everyone should be awake at night, (4)_____ their lands and run their (5)_____ only after dark and should go to bed as soon as the sun came up.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in the blank no. 4.

- Ans ☒ 1. till
☒ 2. sow
☒ 3. cut
☒ 4. dig

Question ID : 6549788351
 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 number.

In the 'Kingdom of Fools', both the king and the ministers were complete fools. They didn't want to do things (1)_____ other kingdoms, so they decided to (2)_____ night into day and day into night. They (3)_____ that everyone should be awake at night, (4)_____ their lands and run their (5)_____ only after dark and should go to bed as soon as the sun came up.

SubQuestion No : 25

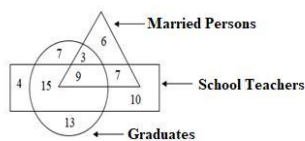
Q.25 Select the most appropriate option to fill in the blank no. 5.

- Ans ☒ 1. livelihood
☒ 2. career
☒ 3. business
☒ 4. employment

Question ID : 6549788352
 Status : Answered
 Chosen Option : 1

Q.1 In the given diagram, the circle stands for 'graduates', the rectangle stands for 'school teachers', and the triangle stands for 'married persons'. The numbers given in the different segments represent the number of persons in that category.

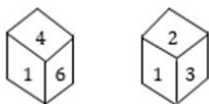
How many school teachers are either graduates or married persons but NOT both?



- Ans**
- ☒ 1. 22
 - ☐ 2. 29
 - ☐ 3. 15
 - ☐ 4. 25

Question ID : 6549789201
Status : Answered
Chosen Option : 2

Q.2 Two different positions of the same dice are shown. Select the number that will be at the top if '6' is at the bottom.



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

Question ID : 6549789195
Status : Answered
Chosen Option : 3

Q.3 Select the option in which the numbers are related in the same way as are the numbers of the following set.

{2, 2, 9}

- Ans**
- ☐ 1. {6, 18, 46}
 - ☒ 2. {4, 8, 25}
 - ☐ 3. {8, 36, 81}
 - ☐ 4. {12, 60, 98}

Question ID : 6549789181
Status : Not Answered
Chosen Option : --

Q.4 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

- Ans ☒ 1. MIGF
☒ 2. KMPV
☒ 3. HKPT
☒ 4. BDMS

Question ID : 6549789192
 Status : Not Answered
 Chosen Option : --

Q.5 'Bracelet' is related to 'Ornaments' in the same way as 'Clove' is related to '_____'.

- Ans ☒ 1. Spices
☒ 2. Kitchen
☒ 3. Cooking
☒ 4. Taste

Question ID : 6549788380
 Status : Answered
 Chosen Option : 1

Q.6 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter sequence correctly.

K _ P _ L C _ R _ C P _ N _ P R

- Ans ☒ 1. C R P M R C
☒ 2. C P P M R R
☒ 3. E R P R R C
☒ 4. M R P M R R

Question ID : 6549788381
 Status : Not Answered
 Chosen Option : --

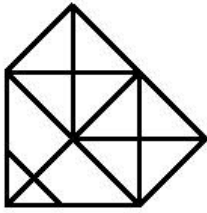
Q.7 Which two signs should be interchanged to make the given equation correct?

$$39 \div 3 \times 13 + 26 - 13 = 2$$

- Ans ☒ 1. ÷ and ×
☒ 2. ÷ and –
☒ 3. × and –
☒ 4. + and –

Question ID : 6549788370
 Status : Answered
 Chosen Option : 2

Q.8 How many triangles are there in the following figure?



- Ans
- ☒ 1. 24
 - ☒ 2. 26
 - ☒ 3. 22
 - ☒ 4. 19

Question ID : 6549789197
Status : Answered
Chosen Option : 3

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

- Ans
- ☒ 1. 1331
 - ☒ 2. 2197
 - ☒ 3. 4913
 - ☒ 4. 2379

Question ID : 6549789183
Status : Answered
Chosen Option : 3

Q.10 ₹481 is distributed among A, B and C in such a way that B gets two-thirds of what A gets and C gets three-fourths of what B gets. How much does B get?

- Ans
- ☒ 1. ₹148
 - ☒ 2. ₹222
 - ☒ 3. ₹168
 - ☒ 4. ₹111

Question ID : 6549789177
Status : Answered
Chosen Option : 1

Q.11 Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1. Class
2. Admission
3. Certificate
4. Application
5. Assessment

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

Question ID : 6549789184
Status : Answered
Chosen Option : 1

Q.12 Select the option in which the numbers in the set share the same relationship as the numbers in the given set.

(14, 22, 77)

- Ans
- ☒ 1. (22, 11, 86)
 - ☒ 2. (17, 15, 76)
 - ☒ 3. (20, 16, 105)
 - ☒ 4. (18, 32, 144)

Question ID : 6549788372

Status : Not Answered

Chosen Option : --

Q.13 In a certain code language, BANKER is coded as 57 and SPAN is coded as 54. How will PRANK be coded in that language?

- Ans
- ☒ 1. 65
 - ☒ 2. 69
 - ☒ 3. 58
 - ☒ 4. 61

Question ID : 6549789186

Status : Answered

Chosen Option : 1

Q.14 If 'A + B' means 'A is the mother of B', 'A × B' means 'A is the sister of B', and 'A * B' means 'A is the daughter of B', then how is R related to P in the following expression?

'R + V × Q × M * P'

- Ans
- ☒ 1. Mother
 - ☒ 2. Sister
 - ☒ 3. Wife
 - ☒ 4. Daughter

Question ID : 6549787574

Status : Answered

Chosen Option : 3

Q.15 Select the correct mirror image of the given combination when a mirror is placed on its right side.

4 6 H S P Y

- Ans
- ☒ 1. Y P S H 2 4
 - ☒ 2. Y P S H 4 2
 - ☒ 3. Y P S H 4 2
 - ☒ 4. Y P S H 2 4

Question ID : 6549788392

Status : Answered

Chosen Option : 3

Q.16 Select the option figure which contains figure X embedded in it as its part (rotation is NOT allowed).



Figure X

Ans

✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 6549788390

Status : Answered

Chosen Option : 1

Q.17 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All statements are answers.

Some statements are questions.

Conclusions:

I. No question is a statement.

II. Some answers are statements.

III. Some questions are statements.

Ans

✓ 1. Only conclusions II and III follow

✗ 2. Only conclusions I and III follow

✗ 3. Only conclusions I and II follow

✗ 4. Either conclusion I or III follows

Question ID : 6549788386

Status : Answered

Chosen Option : 1

Q.18 Three of the following four words are alike in a certain way and one is different. Select the odd one.

- Ans ☒ 1. Sadness
☒ 2. Disgust
☒ 3. Contentment
☒ 4. Jealousy

Question ID : 6549788385
Status : Answered
Chosen Option : 4

Q.19 Select the option in which the words share the same relationship as that shared by the given pair of words.

Necklace : Gold

- Ans ☒ 1. Potter : Clay
☒ 2. Ocean : River
☒ 3. Paper : Wood pulp
☒ 4. Grass : Lawn

Question ID : 6549789191
Status : Answered
Chosen Option : 3

Q.20 In a code language, SAUCE is written as ASVEC. How will MEANT be written as in that language?

- Ans ☒ 1. MEBTN
☒ 2. EMCTN
☒ 3. EMANT
☒ 4. EMBTN

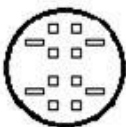
Question ID : 6549788377
Status : Answered
Chosen Option : 3

Q.21 A piece of paper is folded and cut as shown below in the question figures, how it will appear when unfolded.

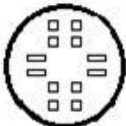


Ans

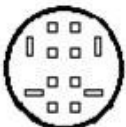
✓ 1.



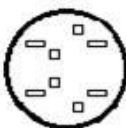
✗ 2.



✗ 3.



✗ 4.



Question ID : 6549788391
Status : Answered
Chosen Option : 2

Q.22 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

28 : 70

Ans

✓ 1. 18 : 45

✗ 2. 34 : 86

✗ 3. 12 : 32

✗ 4. 30 : 84

Question ID : 6549789179
Status : Not Answered
Chosen Option : --

Q.23 Select the number that can replace the question mark (?) in the following series.

35, 35, 33, 99, 95, 475, ?

Ans

✗ 1. 481

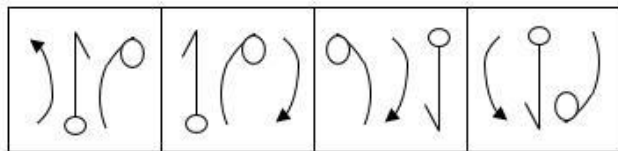
✗ 2. 476

✗ 3. 501

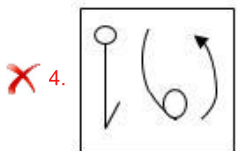
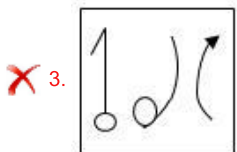
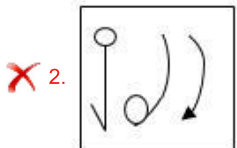
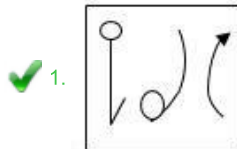
✓ 4. 469

Question ID : 6549788374
Status : Answered
Chosen Option : 4

Q.24 Select the figure that will come next in the following series.



Ans



Question ID : 6549789196
Status : Not Answered
Chosen Option : --

Q.25 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.

NEED : OGHH :: FAST : ?

Ans

- ✗ 1. ECVZ
✗ 2. GDUX
✓ 3. GCVX
✗ 4. GCWY

Question ID : 6549788379
Status : Answered
Chosen Option : 3

Section : Quantitative Aptitude

Q.1 If the number 34k56k is divisible by 6, then what will be the largest value of k?

Ans

- ✗ 1. 9
✓ 2. 6
✗ 3. 8
✗ 4. 4

Question ID : 6549789218
Status : Answered
Chosen Option : 2

Q.2 D, E and F are the feet of the perpendiculars from the vertices A, B and C, respectively, of a triangle ABC. If angle BED and angle BFE (in degrees) are 24 and 110, respectively, what is the measure (in degrees) of angle EBF?

- Ans
- ☒ 1. 55
 - ☒ 2. 67
 - ☒ 3. 46
 - ☒ 4. 86

Question ID : 6549788406

Status : Not Answered

Chosen Option : --

Q.3 Two chords PQ and RS of a circle meet at A when produced. AT is a tangent to the circle meeting it at T. The ratio PA : SA is equal to which of the following?

- Ans
- ☒ 1. RQ : QT
 - ☒ 2. AQ : AT
 - ☒ 3. AQ : QR
 - ☒ 4. RA : AQ

Question ID : 6549788404

Status : Not Answered

Chosen Option : --

Q.4 If $a : b = 5 : 7$, $b : c = 8 : 15$, then find the value of $8c : 5a$.

- Ans
- ☒ 1. 8 : 21
 - ☒ 2. 176 : 65
 - ☒ 3. 21 : 5
 - ☒ 4. 24 : 5

Question ID : 6549789209

Status : Answered

Chosen Option : 4

Q.5 In a rectangular park having dimensions $60\text{ m} \times 40\text{ m}$, two circular flower beds with radius 7 m are developed. What is the area of the remaining portion of the park? (Use $\pi = \frac{22}{7}$)

- Ans
- ☒ 1. 2092 m^2
 - ☒ 2. 2246 m^2
 - ☒ 3. 1196 m^2
 - ☒ 4. 1749 m^2

Question ID : 6549788396

Status : Answered

Chosen Option : 1

- Q.6** A soft drink company prepares drinks of three different flavours — A, B and C. The production of the three flavours over a period of five years from 2010 to 2014 has been expressed in the given bar graph. Study the graph and answer the question that follows.

Production of three different flavours A, B and C (in lakh bottles) by a company over five years.



The difference between the average production of flavour A in 2012, 2013 and 2014 and the average production of flavour C in 2012, 2013 and 2014 is:

- Ans**
- ☒ 1. 12 lakh bottles
 - ☒ 2. 15 lakh bottles
 - ☒ 3. 18 lakh bottles
 - ☒ 4. 10 lakh bottles

Question ID : 6549787709

Status : Answered

Chosen Option : 2

- Q.7** If $x - y = 4$ and $xy = 3$, then what is the value of $x^3 - y^3$?

- Ans**
- ☒ 1. 100
 - ☒ 2. 88
 - ☒ 3. 28
 - ☒ 4. 64

Question ID : 6549788408

Status : Answered

Chosen Option : 3

- Q.8** A reduction of 20% in the rate of sugar enables Sudhir to get 6 kg more sugar for ₹960. What is the reduced rate of sugar per kg?

- Ans**
- ☒ 1. ₹32
 - ☒ 2. ₹36
 - ☒ 3. ₹35
 - ☒ 4. ₹40

Question ID : 6549789207

Status : Not Answered

Chosen Option : --

Q.9 Joseph bought two woollen jackets for ₹2,100 and ₹3,150, respectively. By selling the first at a gain of $k\%$ and the second at a loss of $k\%$, he found that the selling price of both is the same. What is the value of k ?

- Ans**
- ☒ 1. 22.64
 - ☒ 2. 15
 - ☒ 3. 25
 - ☒ 4. 20

Question ID : 6549788400
Status : Not Answered
Chosen Option : --

Q.10 Geeta can assemble a toy in 10 minutes, whereas Sudha can assemble the same toy in 15 minutes. If they work together, how much time will they take to assemble 60 toys?

- Ans**
- ☒ 1. 7 hours 30 minutes
 - ☒ 2. 7 hours
 - ☒ 3. 5 hours
 - ☒ 4. 6 hours

Question ID : 6549788394
Status : Answered
Chosen Option : 4

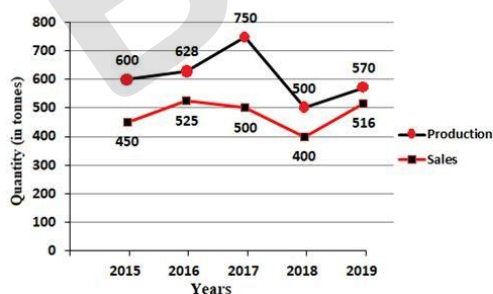
Q.11 A pair of jeans marked at ₹960 is offered in a departmental store for ₹816. What is the percentage of discount given by the shopkeeper?

- Ans**
- ☒ 1. 15
 - ☒ 2. 17
 - ☒ 3. 17.64
 - ☒ 4. 16

Question ID : 6549788398
Status : Answered
Chosen Option : 1

Q.12 The given line graph shows the production (in tonnes) and the sales (in tonnes) of a company.

How much more is the production in 2015 and 2017 taken together than the sales in 2016 and 2018 taken together (in tonnes)?

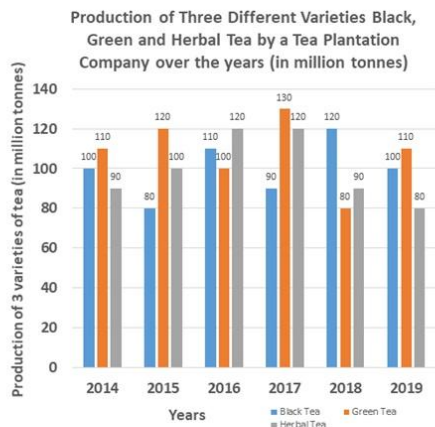


- Ans**
- ☒ 1. 328
 - ☒ 2. 178
 - ☒ 3. 434
 - ☒ 4. 425

Question ID : 6549788415
Status : Answered
Chosen Option : 4

Q.13 Study the given bar graph and answer the question that follows.

A tea plantation company produces three varieties of tea—black tea, green tea and herbal tea. The production of three varieties (in million tonnes) over a period of six years from 2014 to 2019, has been shown in the bar graph here. The X-axis represents the years and the Y-axis displays the production of the three varieties in million tonnes.



The total production of green tea in 2016 and 2018 is what per cent of the total production of herbal tea in 2015 and 2017?

- Ans**
- ✓ 1. 81.8
 - ✗ 2. 83.4
 - ✗ 3. 85.6
 - ✗ 4. 79.7

Question ID : 6549789123

Status : Not Answered

Chosen Option : --

Q.14 Ravi can row a boat in still water at the speed of 14 km/h. If a river is flowing at the speed of 2 km/h and Ravi takes 3 hours to cover a certain distance upstream, then how much time will he take to cover the same distance downstream?

- Ans**
- ✗ 1. 2 h
 - ✓ 2. 2 h 15 m
 - ✗ 3. 2 h 20 m
 - ✗ 4. 2 h 30 m

Question ID : 6549789203

Status : Not Answered

Chosen Option : --

Q.15 PA and PB are tangents drawn to a circle with centre O from an external point P. If A and B are points on the circle and $\angle OBA = 42^\circ$, then $\angle APB$ is:

- Ans**
- ✗ 1. 78°
 - ✗ 2. 76°
 - ✗ 3. 86°
 - ✓ 4. 84°

Question ID : 6549789211

Status : Not Answered

Chosen Option : --

Q.16 A sum of money lent at simple interest amounts to ₹9,920 after 2 years and to ₹12,800 after 5 years. Find the rate of interest per annum.

- Ans**
- ☒ 1. 12%
 - ☐ 2. 6.57%
 - ☐ 3. 18%
 - ☐ 4. 9.68%

Question ID : 6549789210
Status : Not Answered
Chosen Option : --

Q.17 In ΔPQR , points T and S are on PQ and PR, respectively, such that TS is parallel to QR. If $TQ = 7.2$ cm, $PS = 1.8$ cm and $SR = 5.4$ cm, then find the length of PT.

- Ans**
- ☐ 1. 3.6 cm
 - ☒ 2. 2.4 cm
 - ☐ 3. 1.35 cm
 - ☐ 4. 2 cm

Question ID : 6549789213
Status : Answered
Chosen Option : 2

Q.18 The average weight of 3 persons A, B and C is 60 kg. When D joins the group, the average weight becomes 65 kg. When another person E whose weight is 3 kg less than that of D replaces A, the average weight of B, C, D and E becomes 67 kg. What is the weight of A?

- Ans**
- ☐ 1. 60 kg
 - ☒ 2. 69 kg
 - ☐ 3. 65 kg
 - ☐ 4. 72 kg

Question ID : 6549789205
Status : Not Answered
Chosen Option : --

Q.19 If $\operatorname{cosec}^2 \theta (\cos \theta - 1)(1 + \cos \theta) = k$, then what is the value of k?

- Ans**
- ☐ 1. $\frac{1}{2}$
 - ☒ 2. -1
 - ☐ 3. 1
 - ☐ 4. 0

Question ID : 6549788414
Status : Answered
Chosen Option : 4

Q.20 Simplify the following expression.

$$(2a - b - 3c)(4a^2 + b^2 + 9c^2 + 2ab + 6ac - 3bc)$$

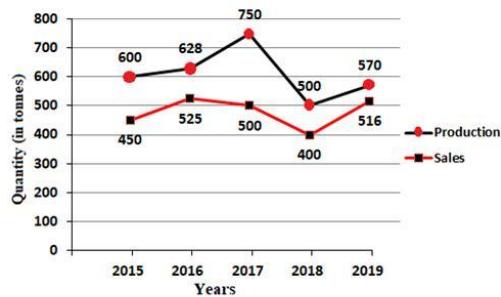
- Ans
- ☒ 1. $8a^3 - b^3 - 27c^3 + 18abc$
 - ☒ 2. $8a^3 - b^3 - 27c^3 - 18abc$
 - ☒ 3. $-8a^3 + b^3 + 27c^3$
 - ☒ 4. $8a^3 + b^3 + 27c^3$

Question ID : 6549789215

Status : Answered

Chosen Option : 1

Q.21 The line graph shows the production (in tonnes) and the sales (in tonnes) of a company.



What is the percentage of maximum increase or reduction in the production of the company in comparison to the previous year?

- Ans
- ☒ 1. 50% increase
 - ☒ 2. 33.33% reduction
 - ☒ 3. 29% increase
 - ☒ 4. 46.67% reduction

Question ID : 6549789226

Status : Answered

Chosen Option : 3

Q.22 Simplify the following expression.

$$\frac{3}{5} + 2\frac{2}{5} \div \left[\left(\frac{7}{8} - \frac{3}{4} \right) \times 4 - 6\frac{2}{3} \div \frac{4}{3} \right] \times \frac{1}{3}$$

- Ans
- ☒ 1. $-\frac{13}{5}$
 - ☒ 2. $\frac{17}{15}$
 - ☒ 3. $-\frac{2}{9}$
 - ☒ 4. $\frac{19}{45}$

Question ID : 6549788411

Status : Not Answered

Chosen Option : --

Q.23 Evaluate the following expression.

$$\frac{\tan^2 60^\circ + \operatorname{cosec} 30^\circ \sin 90^\circ + 3 \sec^2 30^\circ}{4 \sin^2 45^\circ + \sec^2 60^\circ - \cot^2 30^\circ - 5 \cos^2 90^\circ}$$

Ans

☒ 1. $\frac{7}{3}$

☒ 2. 3

☒ 3. $\frac{19}{17}$

☒ 4. -12

Question ID : 6549789221

Status : Not Answered

Chosen Option : --

Q.24 If $a + b - c = 0$, then what is the value of $\frac{(b-c)^2}{4bc} \frac{(c-a)^2}{4ca} \frac{(a+b)^2}{4ab}$?

Ans

☒ 1. $-\frac{3}{4}$

☒ 2. $\frac{3}{4}$

☒ 3. $\frac{1}{2}$

☒ 4. $-\frac{1}{2}$

Question ID : 6549788409

Status : Not Answered

Chosen Option : --

Q.25 In a triangle ABC, right-angled at C, if $\sec A = \frac{13}{5}$, then find the value of $\frac{1 + \sin A}{\cos B}$.

Ans

☒ 1. $\frac{25}{12}$

☒ 2. $\frac{18}{5}$

☒ 3. $\frac{3}{2}$

☒ 4. 5

Question ID : 6549788412

Status : Not Answered

Chosen Option : --

Section : General Awareness

Q.1 Who among the following is India's highest wicket taker in test cricket as of December 2020?

- Ans
- ☒ 1. Kapil Dev
 - ☒ 2. Bishan Singh Bedi
 - ☒ 3. Anil Kumble
 - ☒ 4. Narendra Hirwani

Question ID : 6549789249
Status : Not Answered
Chosen Option : --

Q.2 Which of the following is a computer application software?

- Ans
- ☒ 1. Java
 - ☒ 2. RAM
 - ☒ 3. Visual Basic
 - ☒ 4. Word processor

Question ID : 6549788420
Status : Answered
Chosen Option : 4

Q.3 Where is Harmandir Sahib (Golden Temple) situated?

- Ans
- ☒ 1. Jalandhar
 - ☒ 2. Amritsar
 - ☒ 3. Patiala
 - ☒ 4. Ludhiana

Question ID : 6549788422
Status : Answered
Chosen Option : 2

Q.4 Dr. Tsering Landol, who was one of the recipients of the Padma Bhushan 2020 award, hails from:

- Ans
- ☒ 1. Ladakh
 - ☒ 2. Mizoram
 - ☒ 3. Arunachal Pradesh
 - ☒ 4. Nagaland

Question ID : 6549788437
Status : Not Answered
Chosen Option : --

Q.5 Which among the following is used as the fining agent in wine?

- Ans
- ☒ 1. Sodium
 - ☒ 2. Chlorine
 - ☒ 3. Gelatin
 - ☒ 4. Baking Soda

Question ID : 6549788430
Status : Not Answered
Chosen Option : --

Q.6 As of January 2021, more than 93% of India's chromite resources were located in:

- Ans
- ☐ 1. Madhya Pradesh
 - ☐ 2. Karnataka
 - ☐ 3. Jharkhand
 - ☒ 4. Odisha

Question ID : 6549788432
Status : Not Answered
Chosen Option : --

Q.7 In the Battle of Swally (1612) the British fought against the _____.

- Ans
- ☒ 1. Portuguese
 - ☐ 2. Danish
 - ☐ 3. Dutch
 - ☐ 4. French

Question ID : 6549789244
Status : Not Answered
Chosen Option : --

Q.8 _____ holds office from the date of his/her election till immediately before the first meeting of the Lok Sabha after the dissolution of the one to which he/she was elected.

- Ans
- ☐ 1. Minister of Parliamentary Affairs
 - ☐ 2. Minister of Information and Broadcasting
 - ☒ 3. Speaker
 - ☐ 4. Vice President

Question ID : 6549789247
Status : Answered
Chosen Option : 3

Q.9 LAC (Line of Actual Control) is an effective border between India and _____.

- Ans
- ☐ 1. Sri Lanka
 - ☐ 2. Pakistan
 - ☐ 3. Bhutan
 - ☒ 4. China

Question ID : 6549788431
Status : Answered
Chosen Option : 4

Q.10 The deficiency of which of the following vitamins causes night blindness?

- Ans
- ☐ 1. Vitamin B2
 - ☐ 2. Vitamin E
 - ☐ 3. Vitamin D
 - ☒ 4. Vitamin A

Question ID : 6549788428
Status : Answered
Chosen Option : 4

Q.11 How many states does the 'STARS' project launched by the Government of India and World Bank in 2020 seek to cover?

- Ans
- ☒ 1. 10
 - ☒ 2. 4
 - ☒ 3. 8
 - ☒ 4. 6

Question ID : 6549789231
Status : Not Answered
Chosen Option : --

Q.12 The musical instrument 'Kartal' from the state of Rajasthan comes under the category of _____.

- Ans
- ☒ 1. chordophones
 - ☒ 2. idiophones
 - ☒ 3. electrophones
 - ☒ 4. membranophones

Question ID : 6549789229
Status : Not Answered
Chosen Option : --

Q.13 The National Education Policy (NEP), 2020 commits to raising the total expenditure by states and centre on education to _____ of GDP.

- Ans
- ☒ 1. 2%
 - ☒ 2. 4%
 - ☒ 3. 6%
 - ☒ 4. 8%

Question ID : 6549789234
Status : Not Answered
Chosen Option : --

Q.14 Which Indian state was the highest contributor to Food Corporation of India (FCI)'s total paddy procurement across the country till May 2020?

- Ans
- ☒ 1. Uttar Pradesh
 - ☒ 2. Andhra Pradesh
 - ☒ 3. Punjab
 - ☒ 4. Telangana

Question ID : 6549789241
Status : Answered
Chosen Option : 3

Q.15 'Per Drop More Crop' is the goal for which Government of India scheme?

- Ans
- ☒ 1. Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)
 - ☒ 2. Pradhan Mantri Jan-Dhan Yojana (PMJDY)
 - ☒ 3. Pradhan Mantri Awaas Yojana Gramin (PMAY-G)
 - ☒ 4. Pradhan Mantri MUDRA Yojana (PMMY)

Question ID : 6549789242
Status : Answered
Chosen Option : 1

Q.16 Whose autobiography is titled 'The Substance and the Shadow'?

- Ans
- ☒ 1. Raj Kapoor
 - ☒ 2. Dilip Kumar
 - ☒ 3. Rajesh Khanna
 - ☒ 4. Kishore Kumar

Question ID : 6549789246
Status : Not Answered
Chosen Option : --

Q.17 What was the total number of gold medals won by India at Commonwealth Games 2018?

- Ans
- ☒ 1. 26
 - ☒ 2. 18
 - ☒ 3. 33
 - ☒ 4. 44

Question ID : 6549788442
Status : Not Answered
Chosen Option : --

Q.18 One-third of the members of the Vidhan Parishad retire every _____ year/s.

- Ans
- ☒ 1. four
 - ☒ 2. two
 - ☒ 3. three
 - ☒ 4. one

Question ID : 6549788440
Status : Answered
Chosen Option : 3

Q.19 Which sport has been approved to be played at the 2024 Summer Olympics in Paris for the first time?

- Ans
- ☒ 1. Darts
 - ☒ 2. Parkour race
 - ☒ 3. Cricket
 - ☒ 4. Breakdancing

Question ID : 6549789232
Status : Not Answered
Chosen Option : --

Q.20 Which of the following nations ranked first in the World Press Freedom index 2020?

- Ans
- ☒ 1. India
 - ☒ 2. France
 - ☒ 3. The US
 - ☒ 4. Norway

Question ID : 6549788425
Status : Answered
Chosen Option : 4

Q.21 Who among the following presided over the special session of Congress in September 1923 and at the age of 35 became the youngest man to be elected as the President of the Congress?

- Ans
- ☐ 1. Ram Manohar Lohia
 - ☐ 2. Bal Gangadhar Tilak
 - ☐ 3. Mahadev Govind Ranade
 - ☒ 4. Maulana Abul Kalam Azad

Question ID : 6549788435
Status : Not Answered
Chosen Option : --

Q.22 Heat, in _____, is a type of energy transfer from a warmer substance to a colder one.

- Ans
- ☐ 1. friction
 - ☐ 2. gravity
 - ☒ 3. thermodynamics
 - ☐ 4. magnet

Question ID : 6549789237
Status : Answered
Chosen Option : 1

Q.23 What is India's rank on the World Economic Forum's Global Competitiveness Index of 141 countries for the year 2019?

- Ans
- ☐ 1. 48th
 - ☐ 2. 45th
 - ☐ 3. 65th
 - ☒ 4. 68th

Question ID : 6549788427
Status : Not Answered
Chosen Option : --

Q.24 Which of the following file formats does MS Paint use to open and save files in Windows?

- Ans
- ☐ 1. .XIS
 - ☒ 2. .JPEG
 - ☐ 3. .PPT
 - ☐ 4. .DOC

Question ID : 6549789227
Status : Answered
Chosen Option : 2

Q.25 In which of the following categories does Indian boxer Lovlina Borgohain play?

- Ans
- ☐ 1. 81 kg
 - ☐ 2. 91 kg
 - ☒ 3. 69 kg
 - ☐ 4. 75 kg

Question ID : 6549789251
Status : Answered
Chosen Option : 3