Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	www.qmaths.in
Candidate Name	www.qmaths.in
Venue Name	iON Digital Zone iDZ Sector 34
Exam Date	13/04/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Higher Secondary Level Exam 2020

Section : **English Language**

Q.1 **Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.**

It was cloudy in the morning but <u>the sun is shining</u> now.

Ans   ✖ 1. the sun has shone

     ✔ 2. No improvement

     ✖ 3. the sun were shining

     ✖ 4. a sun is shining

> Question ID : **6549787951**
> Status : **Answered**
> Chosen Option : **2**

Q.2 **Select the most appropriate synonym of the given word.**

ISOLATED

Ans   ✖ 1. Open

     ✖ 2. Mingling

     ✔ 3. Secluded

     ✖ 4. Included

> Question ID : **6549787962**
> Status : **Answered**
> Chosen Option : **3**

Q.3 **Select the most appropriate meaning of the underlined idiom in the given sentence.**

Newton's work in the field of physics <u>speaks volumes</u> about his genius.

Ans   ✖ 1. advertises his work

     ✖ 2. claims fame and honour

     ✖ 3. does not gives a detailed report

     ✔ 4. conveys a great deal

> Question ID : **6549789268**
> Status : **Answered**
> Chosen Option : **4**

Q.4 **Given below are four sentences in jumbled order. Pick the option that gives their correct order.**

A. The robber demanded all his valuables or threatened to kill him.
B. But he put up a brave front and challenged the robber.
C. A merchant was confronted by a highway robber.
D. The merchant was scared to death.

Ans   ✔️ 1. CADB

   ❌ 2. BCAD

   ❌ 3. ADCB

   ❌ 4. DABC

> Question ID : **6549789262**
> Status : **Answered**
> Chosen Option : **1**

Q.5 **Identify the segment in the given sentence which contains the grammatical error.**

Employees were given incentives based at their performance.

Ans   ✔️ 1. based at

   ❌ 2. given incentives

   ❌ 3. Employees were

   ❌ 4. their performance

> Question ID : **6549789254**
> Status : **Answered**
> Chosen Option : **1**

Q.6 **Select the most appropriate meaning of the given idiom.**

Wash your dirty linen in public

Ans   ❌ 1. Fight with everyone unnecessarily

   ✔️ 2. Discuss private matters in front of others

   ❌ 3. Complain about everything

   ❌ 4. Hangclothes outside

> Question ID : **6549787956**
> Status : **Answered**
> Chosen Option : **2**

Q.7 **Fill in the blank with the most appropriate option.**

She made an _____ to break the record for long jump.

Ans   ❌ 1. attack

   ❌ 2. intention

   ❌ 3. exercise

   ✔️ 4. attempt

> Question ID : **6549789276**
> Status : **Answered**
> Chosen Option : **4**

Q.8 Select the word which means the same as the group of words given.

A person who draws or produces maps

Ans
✗ 1. Chauffer

✔ 2. Cartographer

✗ 3. Calligrapher

✗ 4. Choreographer

Question ID : **6549787959**

Status : **Answered**

Chosen Option : **2**

Q.9 Select the most appropriate ANTONYM of the given word.

FRIGID

Ans
✗ 1. Chilly

✔ 2. Warm

✗ 3. Frosty

✗ 4. Salty

Question ID : **6549789266**

Status : **Answered**

Chosen Option : **2**

Q.10 Select the most appropriate synonym of the given word.

EMERGE

Ans
✗ 1. Aspire

✔ 2. Appear

✗ 3. Admire

✗ 4. Acquire

Question ID : **6549789274**

Status : **Answered**

Chosen Option : **2**

Q.11 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. As time passed, he grew jealous of his brother's fine appearance and gentle manners and at last he wished to destroy him.
B. When Orlando's father, sir Rowland de Boys, died, he left his youngest son to the care of his eldest brother Oliver.
C. Oliver however proved an unworthy brother and neglected the boy.
D. It was Oliver who persuaded his brother to wrestle with the famous man who had killed so many others in days past; and it was this cruel brother's neglect of him that made Orlando say that he wished to die.

Ans   ✗ 1. CDBA

   ✗ 2. ABCD

   ✗ 3. DCBA

   ✓ 4. BCAD

Question ID : **6549787950**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the most appropriate one-word substitution for the given group of words.

The act of thinking now about something in the past

Ans   ✓ 1. Retrospection

   ✗ 2. Circumspection

   ✗ 3. Introspection

   ✗ 4. Inspection

Question ID : **6549789273**
Status : **Answered**
Chosen Option : **1**

Q.13 Select the most appropriate ANTONYM of the given word.

STRETCH

Ans   ✗ 1. Extend

   ✗ 2. Elongate

   ✓ 3. Compress

   ✗ 4. Lengthen

Question ID : **6549787954**
Status : **Answered**
Chosen Option : **3**

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

A traffic policeman fined Taru for jumping the red light.

Ans ✗ 1. A traffic policeman was fined by Taru for jumping the red light.

✓ 2. Taru was fined by a traffic policeman for jumping the red light.

✗ 3. Taru is fined by a traffic policeman for jumping the red light.

✗ 4. Taru has been fined by a traffic policeman for jumping the red light.

Question ID : **6549787939**

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 substitution'.**

Neither the parents nor the child <u>were happy about</u> the result.

Ans ✗ 1. were happy with

✓ 2. was happy with

✗ 3. No substitution

✗ 4. was happy for

Question ID : **6549789265**

Status : **Answered**

Chosen Option : **2**

Q.16 **In the sentence identify the segment which contains the grammatical error.**

That man would have attacked you, if you went that way.

Ans ✗ 1. That man would have

✗ 2. that way

✓ 3. if you went

✗ 4. attacked you

Question ID : **6549787942**

Status : **Answered**

Chosen Option : **1**

Q.17 **Select the INCORRECTLY spelt word.**

Ans ✗ 1. Ground

✗ 2. Grind

✓ 3. Greive

✗ 4. Groan

Question ID : **6549787957**

Status : **Answered**

Chosen Option : **2**

Q.18 **Select the misspelt word.**

Ans ✔ 1. endevour

✘ 2. acknowledge

✘ 3. individual

✘ 4. auspicious

Question ID : **6549789271**

Status : **Answered**

Chosen Option : **1**

Q.19 **Select the most appropriate word to fill in the blank.**

As far as he is _____, he will love to attend the party.

Ans ✘ 1. interested

✔ 2. concerned

✘ 3. confined

✘ 4. anxious

Question ID : **6549787964**

Status : **Answered**

Chosen Option : **2**

Q.20 **Select the correct indirect form of the given sentence.**

Mother said to Megha, "Leave for your office now."

Ans ✘ 1. Mother said to Megha leave for her office then.

✘ 2. Mother told to Megha to leave for her office now.

✔ 3. Mother told Megha to leave for her office then.

✘ 4. Mother told Megha to leave for your office now.

Question ID : **6549789253**

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.

I have always enjoyed flying. I wasn't afraid (1) _____my mother and I boarded LANSA Airlines flight 508. Some people had (2) _____ flying LANSA because of a recent crash. But (3) _____and I had a good reason for flying: I had just (4) _____secondary school in Lima, and we wanted to (5) _____Christmas with my father in our jungle hut.

SubQuestion No : 21

Q.21 **Select the most appropriate option for blank No. 1.**

Ans ✔ 1. when

✘ 2. how

✘ 3. where

✘ 4. if

Question ID : **6549787944**

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.

I have always enjoyed flying. I wasn't afraid (1) _____my mother and I boarded LANSA Airlines flight 508. Some people had (2) _____ flying LANSA because of a recent crash. But (3) _____and I had a good reason for flying: I had just (4) _____secondary school in Lima, and we wanted to (5) _____Christmas with my father in our jungle hut.

SubQuestion No : 22

Q.22 Select the most appropriate option for blank No. 2.

Ans   ✖ 1. given away

     ✔ 2. given up

     ✖ 3. given in

     ✖ 4. given out

> Question ID : **6549787945**
>
> 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.

I have always enjoyed flying. I wasn't afraid (1) _____my mother and I boarded LANSA Airlines flight 508. Some people had (2) _____ flying LANSA because of a recent crash. But (3) _____and I had a good reason for flying: I had just (4) _____secondary school in Lima, and we wanted to (5) _____Christmas with my father in our jungle hut.

SubQuestion No : 23

Q.23 Select the most appropriate option for blank No. 3.

Ans   ✖ 1. sister

     ✔ 2. mother

     ✖ 3. father

     ✖ 4. brother

> Question ID : **6549787946**
>
> Status : **Answered**
>
> Chosen Option : **2**

Toppers Choice: "Blackbook of English Vocabulary" and "Blackbook of General Awareness".

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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.

I have always enjoyed flying. I wasn't afraid (1) _____my mother and I boarded LANSA Airlines flight 508. Some people had (2) _____ flying LANSA because of a recent crash. But (3) _____and I had a good reason for flying: I had just (4) _____secondary school in Lima, and we wanted to (5) _____Christmas with my father in our jungle hut.

SubQuestion No : 24

Q.24 Select the most appropriate option for blank No. 4.

Ans   ✔ 1. finished

             ✘ 2. finish

             ✘ 3. finishes

             ✘ 4. finishing

Question ID : **6549787947**

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.

I have always enjoyed flying. I wasn't afraid (1) _____my mother and I boarded LANSA Airlines flight 508. Some people had (2) _____ flying LANSA because of a recent crash. But (3) _____and I had a good reason for flying: I had just (4) _____secondary school in Lima, and we wanted to (5) _____Christmas with my father in our jungle hut.

SubQuestion No : 25

Q.25 Select the most appropriate option for blank No. 5.

Ans   ✔ 1. spend

             ✘ 2. stay

             ✘ 3. leave

             ✘ 4. live

Question ID : **6549787948**

Status : **Answered**

Chosen Option : **1**

Section : **General Intelligence**

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

(23, 4, 92)

Ans   ✘ 1. (26, 5, 132)

             ✘ 2. (27, 8, 218)

             ✔ 3. (29, 7, 203)

             ✘ 4. (24, 6, 146)

Question ID : **6549787968**

Status : **Answered**

Chosen Option : **3**

Q.2 Select the option that is related to the third term in the same way as the second term is related to the first term.

Indonesia : Jakarta : : Canada : ?

Ans
   ✘ 1. Doha

   ✔ 2. Ottawa

   ✘ 3. Seoul

   ✘ 4. Muscat

Question ID : **6549787976**

Status : **Answered**

Chosen Option : **2**

Q.3 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter sequence correctly.

Q _ _ R R K Z _ _ K Z R T _ _ R

Ans
   ✔ 1. K Z R S K Z

   ✘ 2. Q Z R S P R

   ✘ 3. K Z R P R Z

   ✘ 4. K Z R S Z T

Question ID : **6549788482**

Status : **Marked For Review**

Chosen Option : **1**

Q.4 In the given diagram, the triangle stands for 'Indians', the rectangle stands for 'Athletes', and the square stands for 'Olympians'. The numbers given in the different segments represent the number of persons in that category.

How many Indians are either Athletes or Olympians but NOT both?
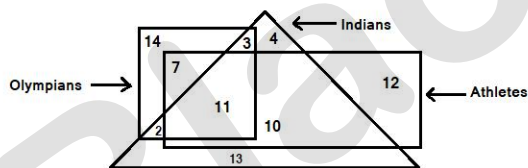
Ans
   ✘ 1. 24

   ✔ 2. 15

   ✘ 3. 20

   ✘ 4. 12

Question ID : **6549789302**

Status : **Marked For Review**

Chosen Option : **4**

Q.5 In a certain code language, PROFANE is written as KOLCZKV. How will DISOBEY be written in that language?

Ans ✗ 1. APRYLVV

✔ 2. WFHLYBB

✗ 3. WHGYLBB

✗ 4. ARPLYVV

Question ID : **6549787973**

Status : **Answered**

Chosen Option : **2**

Q.6 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

18 : 42

Ans ✔ 1. 24 : 56

✗ 2. 15 : 36

✗ 3. 9 : 24

✗ 4. 12 : 32

Question ID : **6549789280**

Status : **Answered**

Chosen Option : **2**

Q.7 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

Ans ✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **6549787988**

Status : **Answered**

Chosen Option : **2**

Q.8 Select the option in which the numbers are related in the same way as are the numbers of the following set.

{5, 15, 20}

Ans ✗ 1. {24, 8, 18}

✓ 2. {10, 13, 17}

✗ 3. {4, 14, 24}

✗ 4. {9, 14, 19}

Question ID : **6549789282**

Status : **Answered**

Chosen Option : **3**

Q.9 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:
All combs are scales.
Some routers are combs.
All gloves are routers.

Conclusions:
I. All gloves are scales.
II. Some gloves are scales.
III. Some scales are routers.
IV. All routers are scales.

Ans ✓ 1. Only conclusion III follows .

✗ 2. Only conclusion II follows .

✗ 3. Only conclusion I follows .

✗ 4. Both conclusions I and III follow.

Question ID : **6549787982**

Status : **Answered**

Chosen Option : **1**

Q.10 Select the correct option that indicates the arrangement of the given places in a logical and meaningful order.

1. Hyderabad
2. Nagpur
3. Dehradun
4. Bhopal
5. Madurai
6. Agra

Ans ✗ 1. 5, 1, 4, 3, 2, 6

✗ 2. 3, 6, 2, 4, 1, 5

✗ 3. 5, 1, 2, 4, 3, 6

✓ 4. 3, 6, 4, 2, 1, 5

Question ID : **6549789285**

Status : **Answered**

Chosen Option : **4**

Q.11 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.
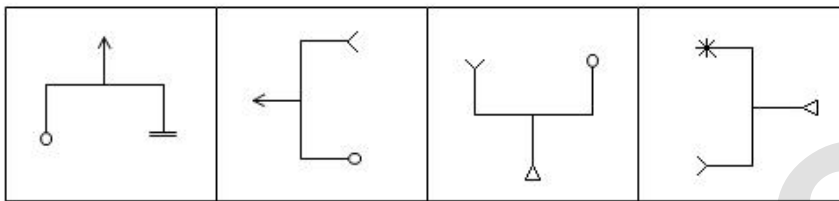
Ans
✖ 1. DJWQ

✔ 2. GBTV

✖ 3. CGXT

✖ 4. HDSW

Question ID : **6549789293**
Status : **Answered**
Chosen Option : **2**

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

Ans

✖ 1.

✔ 2.

✖ 3.

✖ 4.

Question ID : **6549789297**
Status : **Marked For Review**
Chosen Option : **4**

Q.13 Select the option in which the words share the same relationship as that shared by the given pair of words.

Car : Truck

Ans ✔️ 1. Chair : Bench

❌ 2. Thunder : Light

❌ 3. Shoe : Socks

❌ 4. Ball : Bat

Question ID : **6549789292**

Status : **Answered**

Chosen Option : **1**

Q.14 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

216 * 6 * 8 * 64 * 48 = 500

Ans ❌ 1. ÷, −, ×, +

✔️ 2. ÷, +, ×, −

❌ 3. ×, +, ÷, −

❌ 4. ×, +, −, ÷

Question ID : **6549787966**

Status : **Answered**

Chosen Option : **2**

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

Ans ✔️ 1. Ridiculous

❌ 2. Gorgeous

❌ 3. Exalted

❌ 4. August

Question ID : **6549787981**

Status : **Answered**

Chosen Option : **4**

Q.16 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. 2

❌ 4. 1

Question ID : **6549789296**
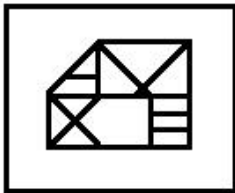
Status : **Answered**

Chosen Option : **1**

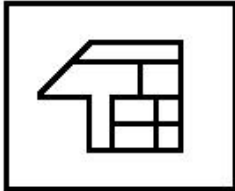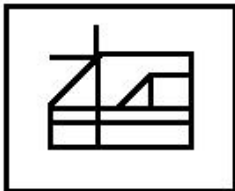**Q.17** Select the option in which the given figure is embedded (rotation is NOT allowed).
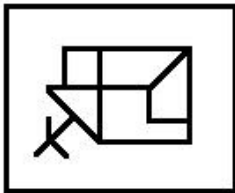
Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
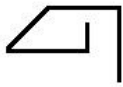
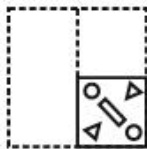Question ID : **6549787986**

Status : **Answered**

Chosen Option : **3**

Q.18 A sheet of paper is folded in a particular manner and several punches are made. When unfolded, the paper looks like the given figure. Select the option that follows the manner in which the paper is folded and punched.
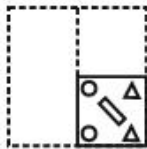

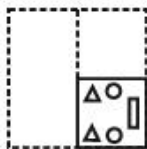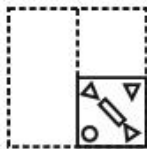**Ans**

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Question ID : **6549787987**

Status : **Answered**

Chosen Option : **1**

Q.19 Select the number from among the given options that can replace the question mark (?) in the following series.

4, 7, 11, 17, 27, 45, ?
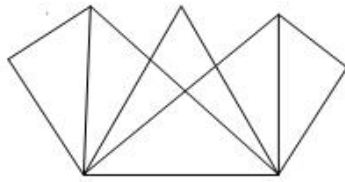
Ans ✘ 1. 87

✔ 2. 79

✘ 3. 78

✘ 4. 97

Question ID : **6549787970**

Status : **Answered**

Chosen Option : **2**

Q.20 How many triangles are there in the following figure?

Ans

   ✗ 1. 12

   ✗ 2. 18

   ✔ 3. 16

   ✗ 4. 14

Question ID : **6549789298**

Status : **Marked For Review**

Chosen Option : **4**

Q.21 Pointing to the photograph of a lady, Sukanya said, "Her son's son is the brother of my daughter's sister." How is the lady related to Sukanya?

Ans

   ✗ 1. Mother

   ✔ 2. Mother-in-law

   ✗ 3. Daughter

   ✗ 4. Sister

Question ID : **6549787170**

Status : **Answered**

Chosen Option : **2**

Q.22 Krishna gave 1/9 of his savings to his son, 3/4 of the remaining to his first daughter, and the rest to his second daughter. If the first daughter received ₹880 more than the second one, how much did the son get?

Ans

   ✗ 1. ₹225

   ✗ 2. ₹245

   ✗ 3. ₹200

   ✔ 4. ₹220

Question ID : **6549789278**

Status : **Answered**

Chosen Option : **4**

Q.23 In a certain code language, MACHINE is coded as 5861944. How will STORK be coded in that language?

Ans ✗ 1. 96479

✗ 2. 12692

✔ 3. 87397

✗ 4. 86496

Question ID : **6549789287**

Status : **Not Answered**

Chosen Option : **--**

Q.24 Select the option that is related to the third term in the same way as the second term is related to the first term.

SACRED : VXEPIZ : : WINTER : ?

Ans ✗ 1. TPLIRS

✗ 2. ZPFIRN

✔ 3. ZFPRIN

✗ 4. TLPRIS

Question ID : **6549787975**
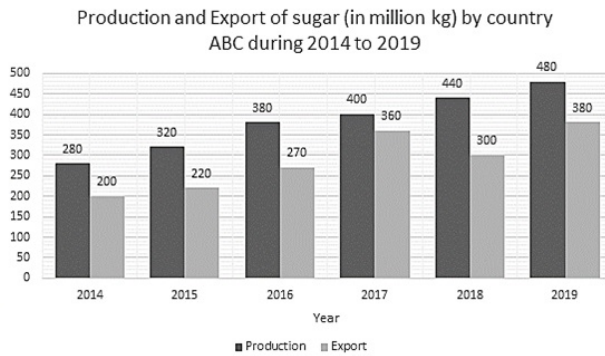
Status : **Answered**

Chosen Option : **3**

Q.25 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. 678

✗ 2. 234

✔ 3. 589

✗ 4. 345

Question ID : **6549789284**

Status : **Marked For Review**

Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 Study the given graph and answer the question the follows.

Production and Export of sugar (in million kg) by country ABC during 2014 to 2019

What is the ratio of the total production of sugar in 2014 and 2018 to the total export in 2015 and 2019?

Ans
✖ 1. $36 : 35$

✔ 2. $6 : 5$

✖ 3. $9 : 8$

✖ 4. $7 : 6$

Question ID : **6549788011**
Status : **Answered**
Chosen Option : **2**

Q.2 If $\frac{cosec\theta + cot\theta}{cosec\theta - cot\theta} = 7$, then the value of $\frac{4 sin^2\theta + 5}{4 sin^2\theta - 1}$ is:

Ans
✖ 1. 3

✖ 2. 15

✔ 3. 9

✖ 4. 12

Question ID : **6549789322**
Status : **Answered**
Chosen Option : **3**

Q.3 $\triangle PQR$ is inscribed in a circle with center O. PO is produced to meet QR at U and the circle at S, and $PT \perp QR$, where T lies between Q and U. If $\angle Q = 70°$ and $\angle R = 55°$, then what is the measure (in degrees) of $\angle TPS$?

Ans
✖ 1. 25

✖ 2. 20

✔ 3. 15

✖ 4. 30

Question ID : **6549788000**
Status : **Answered**
Chosen Option : **2**

Q.4 If $a + b + c = 5$ and $a^3 + b^3 + c^3 - 3abc = 185$, then the value of $ab + bc + ca$ lies between:

Ans

✔ 1. -7 and -3

✘ 2. 1 and 5

✘ 3. -3 and 1

✘ 4. 5 and 9

Question ID : **6549788005**

Status : **Not Answered**

Chosen Option : **--**

Q.5 Rita spends 25% of her monthly income on house rent and 30% of the remaining income on food. If she saves ₹5,250, what is her monthly income?

Ans

✘ 1. ₹12,000

✘ 2. ₹16,000

✔ 3. ₹10,000

✘ 4. ₹14,000

Question ID : **6549789308**

Status : **Answered**

Chosen Option : **3**

Q.6 AB and CD are two chords of a circle which intersect at E inside the circle. If $\angle BEC = 125°$ and $\angle EBD = 28°$, then what is the measure of $\angle BAC$?

Ans

✘ 1. $87°$

✘ 2. $56°$

✔ 3. $97°$

✘ 4. $55°$

Question ID : **6549789312**

Status : **Answered**

Chosen Option : **3**

Q.7 In $\triangle ABC$, $DE \| AB$, where D and E are points on sides AC and BC, respectively. F is a point between C and D such that $EF \| BD$. If $AD = 15$ cm, $DC = 10$ cm, then the length of CF is:

Ans

✘ 1. 3 cm

✘ 2. 7.5 cm

✔ 3. 4 cm

✘ 4. 5 cm

Question ID : **6549788002**
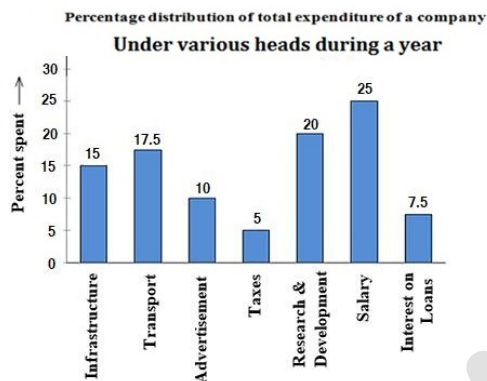
Status : **Answered**

Chosen Option : **3**

Q.8 In a bag, white mobile covers and black mobile covers are in the ratio of 4 : 7. If there are 280 black mobile covers, then how many white mobile covers are there in the bag?

Ans
✗ 1. 154
✗ 2. 158
✔ 3. 160
✗ 4. 156

Question ID : **6549789310**
Status : **Answered**
Chosen Option : **3**

Q.9 Study the given graph and answer the question that follows.

The bar graph shows the percentage distribution of total expenditure of a company under various expense heads during a year.

Percentage distribution of total expenditure of a company
Under various heads during a year

The total expenditure of the company in the year is how many times the expenditure on Research & Development?

Ans
✔ 1. 5
✗ 2. 4
✗ 3. 6
✗ 4. 7

Question ID : **6549789327**
Status : **Answered**
Chosen Option : **1**

Q.10 If $2x^2 - 6x = 1$, then $x^2 + \frac{1}{4x^2} = ?$

Ans
✗ 1. 8
✗ 2. 12
✗ 3. 9
✔ 4. 10

Question ID : **6549788004**
Status : **Answered**
Chosen Option : **4**

Q.11 An article is sold for ₹372 after two successive discounts of 25% and 38% on its marked price. Total discount (in ₹) is:

Ans ✗ 1. 380

✗ 2. 400

✔ 3. 428

✗ 4. 420

Question ID : **6549787994**

Status : **Not Answered**

Chosen Option : **--**

Q.12 The perimeter of a rhombus is 148 cm, and one of its diagonals is 24 cm. The area (in cm^2) of the rhombus is:

Ans ✗ 1. 700

✔ 2. 840

✗ 3. 770

✗ 4. 875

Question ID : **6549787992**

Status : **Not Answered**

Chosen Option : **--**

Q.13 If $3u + 2v = 7$ and $uv = 2$, then the value of $(3u - 2v)$ is:

Ans ✗ 1. 2

✗ 2. 0

✔ 3. 1

✗ 4. 5

Question ID : **6549789316**

Status : **Not Answered**

Chosen Option : **--**

Q.14 What is the least 6-digit number that is divisible 71?

Ans ✗ 1. 100035

✗ 2. 100037

✔ 3. 100039

✗ 4. 100041

Question ID : **6549789319**

Status : **Answered**

Chosen Option : **2**

Q.15 The value of $\left(1\frac{1}{8} \div \frac{3}{4}\right) \div \left[\left(\frac{1}{2} \text{ of } 1\frac{1}{2}\right) \div \left(3\frac{1}{2} - 1\frac{1}{4}\right) \text{ of} \frac{3}{4} - \frac{3}{4} \div 2\frac{1}{4}\right] \text{ of} \frac{3}{4}$ is:

Ans
✖ 1. 9
✔ 2. 18
✖ 3. 12
✖ 4. 6

Question ID : **6549788007**
Status : **Not Answered**
Chosen Option : **--**

Q.16 The average number of electronic items sold by a trader in 2004, 2005, 2006 and 2007 is 18950 and that sold in 2005, 2006, 2007 and 2008 is 21725. If the number of items sold in 2008 is 12750, then the number of items sold in 2004 is:

Ans
✔ 1. 1650
✖ 2. 1550
✖ 3. 1600
✖ 4. 1700

Question ID : **6549789306**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Ashok completes a journey in 7 hours. He travels the first half of the journey at the speed of 24 km/h and the second half of it at the speed of 32 km/h. The total distance of the journey is:

Ans
✖ 1. 190 km
✔ 2. 192 km
✖ 3. 194 km
✖ 4. 188 km

Question ID : **6549789304**
Status : **Not Answered**
Chosen Option : **--**

Q.18 What is the simple interest on a sum of ₹99,000 at $12\frac{1}{2}$ % per annum for a period of 9 months?

Ans
✖ 1. ₹8,281.25
✖ 2. ₹9,282.25
✖ 3. ₹7,281.25
✔ 4. ₹9,281.25

Question ID : **6549789311**
Status : **Answered**
Chosen Option : **4**

Q.19 What is the perimeter of a right-angled triangle whose sides (making 90°) are $20\sqrt{3}$ cm and $15\sqrt{3}$ cm?

Ans

✔ 1. $60\sqrt{3}$ cm

✘ 2. $55\sqrt{3}$ cm

✘ 3. $65\sqrt{3}$ cm

✘ 4. $50\sqrt{3}$ cm

Question ID : **6549789314**

Status : **Not Answered**

Chosen Option : **--**

Q.20 A and B can complete a certain work in 6 days and 8 days, respectively. They worked together for 3 days. C alone completed the remaining work in 2 days. B and C together can complete $\frac{3}{4}$ of the same work in:

Ans

✘ 1. 2 days

✘ 2. 3 days

✘ 3. 6 days

✔ 4. 4 days

Question ID : **6549787990**

Status : **Answered**

Chosen Option : **4**

Q.21 If $5 sin^2 \theta = 3(1 + cos\theta)$, $0° < \theta < 90°$, then the value of $cosec\theta + cot\theta$ is:

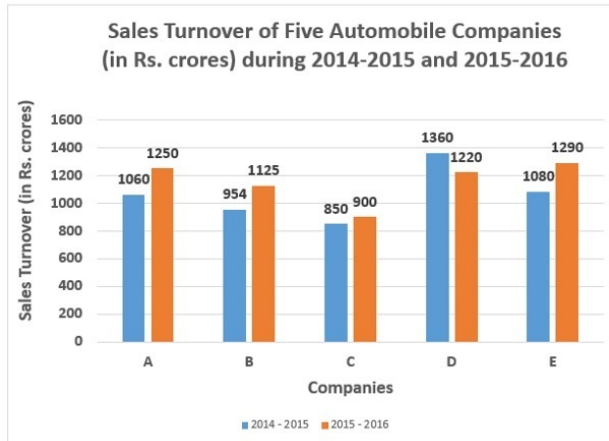**Ans**

✘ 1. $\frac{4}{\sqrt{21}}$

✘ 2. $\sqrt{\frac{3}{7}}$

✘ 3. $\frac{5}{\sqrt{21}}$

✔ 4. $\sqrt{\frac{7}{3}}$

Question ID : **6549788010**

Status : **Answered**

Chosen Option : **3**

Q.22 Study the given bar graph and answer the question that follows.

The given bar graph represents the Sales Turnover (in ₹ crore) of five automobile companies A, B, C, D and E during 2014-2015 and 2015-2016. The X-axis represents the Companies, and the Y-axis shows the Sales Turnover (in ₹ crore).

(The data shown here is only for mathematical exercise. They do not represent the actual figures of the company.)

Sales Turnover of Five Automobile Companies (in Rs. crores) during 2014-2015 and 2015-2016

Company	2014-2015	2015-2016
A	1060	1250
B	954	1125
C	850	900
D	1360	1220
E	1080	1290

By what percentage is the average sales turnover of all the companies combined in 2015-2016 more than the average sales turnover of the companies A, C and E in 2014-2015 (to the nearest whole number)?

Ans
✗ 1. 25
✗ 2. 18
✗ 3. 20
✔ 4. 16

Question ID : **6549788921**
Status : **Not Answered**
Chosen Option : **--**

Q.23 By selling 92 kg of wheat, a person gains the selling price of 12 kg of it. His gain percentage is:
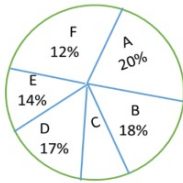
Ans
✗ 1. 16%
✗ 2. 12%
✔ 3. 15%
✗ 4. 18%

Question ID : **6549787996**
Status : **Answered**
Chosen Option : **3**

Q.24 The given pie chart represents the percentage-wise distribution of 300 students of class X in a school in six different sections A, B, C, D, E and F.

The given table shows the number of boys of class X in six different sections A, B, C, D, E and F.

Section	A	B	C	D	E	F
No. of boys	36	26	34	28	------	20

If in section E, the ratio of boys and girls is 4 : 3, then the ratio of the number of girls in section B to that of the number of girls in section E is:

Ans ✗ 1. $15 : 8$

✗ 2. $13 : 8$

✗ 3. $13 : 9$

✔ 4. $14 : 9$

Question ID : **6549787710**

Status : **Not Answered**

Chosen Option : **--**

Q.25 If $cot\theta = \sqrt{2} + 1$, then $cosec\theta\, sec\theta = $?

Ans ✗ 1. $\frac{\sqrt{2}}{2}$

✗ 2. $\frac{\sqrt{2}}{4}$

✔ 3. $2\sqrt{2}$

✗ 4. $4\sqrt{2}$

Question ID : **6549788008**

Status : **Not Answered**

Chosen Option : **--**

Section : **General Awareness**

Q.1 The Innovation Festival 2020 was celebrated in which of the following Indian cities?

Ans ✗ 1. Kolkatta

✗ 2. Mumbai

✔ 3. Itanagar

✗ 4. Bangalore

Question ID : **6549788018**

Status : **Not Answered**

Chosen Option : **--**

Q.2 **Laokhowa Wildlife Sanctuary lies on the southern bank of which river in the north-eastern states of India?**

Ans ✔ 1. Brahmaputra

✘ 2. Barak

✘ 3. Subansiri

✘ 4. Gomti

Question ID : **6549788027**

Status : **Answered**

Chosen Option : **1**

Q.3 **The second Round Table Conference was held in 1931 in which of the following countries?**

Ans ✔ 1. The UK

✘ 2. USA

✘ 3. South Africa

✘ 4. Italy

Question ID : **6549788031**

Status : **Answered**

Chosen Option : **1**

Q.4 **A _____ is an ordered list in which all insertions and deletions are made at one end.**

Ans ✔ 1. stack

✘ 2. front

✘ 3. queue

✘ 4. rear

Question ID : **6549788016**

Status : **Not Answered**

Chosen Option : **--**

Q.5 **Which of the following animals is made to race in the traditional sport called 'Kambala' in Karnataka?**

Ans ✘ 1. Dog

✘ 2. Goat

✘ 3. Horse

✔ 4. Buffalo

Question ID : **6549789330**

Status : **Marked For Review**

Chosen Option : **2**

Q.6 Who among the following is the Chief Election Commissioner of India as of January 2021?

Ans ✗ 1. Umesh Sinha

✗ 2. Sudeep Jain

✔ 3. Sunil Arora

✗ 4. Rajiv Kumar

Question ID : **6549788036**

Status : **Answered**

Chosen Option : **3**

Q.7 Who among the following cricketers has won the ICC Spirit of Cricket Award 2020?

Ans ✔ 1. MS Dhoni

✗ 2. Virat Kohli

✗ 3. Rohit Sharma

✗ 4. Hardik Pandya

Question ID : **6549788038**

Status : **Answered**

Chosen Option : **1**

Q.8 Lionel Messi, one of the winners of the 'Laurel Sportsman of the Year 2020', plays football for:

Ans ✔ 1. Argentina

✗ 2. Brazil

✗ 3. The Netherlands

✗ 4. Spain

Question ID : **6549789350**

Status : **Answered**

Chosen Option : **1**

Q.9 In February 2020, the Kerala Chief Minister launched a mobile application named 'Yodhavu' (Warrior). The purpose of this application is combating:

Ans ✗ 1. eve-teasing

✗ 2. child trafficking

✔ 3. drug menace

✗ 4. terrorism

Question ID : **6549789332**

Status : **Answered**

Chosen Option : **1**

Q.10 **Which of the following satellites is India's first Earth imaging satellite in a geostationary orbit?**

Ans ✗ 1. Oceansat-3

✗ 2. RISAT-2BR2

✓ 3. GISAT-1

✗ 4. RISAT-1A

Question ID : **6549789338**

Status : **Answered**

Chosen Option : **3**

Q.11 **As of 30 April 2020, the annual entitlement to eligible farmers under the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) scheme was:**

Ans ✗ 1. ₹3,000

✗ 2. ₹5,000

✓ 3. ₹6,000

✗ 4. ₹7,000

Question ID : **6549789335**

Status : **Answered**

Chosen Option : **3**

Q.12 **Indian athlete Joshna Chinappa represents the country in:**

Ans ✗ 1. judo

✗ 2. discus throw

✗ 3. kabaddi

✓ 4. squash

Question ID : **6549789352**

Status : **Not Answered**

Chosen Option : **--**

Q.13 **Which scientific instrument is used to measure the height of an aircraft above a fixed level?**

Ans ✗ 1. Fathometer

✗ 2. Barometer

✓ 3. Altimeter

✗ 4. Wattmeter

Question ID : **6549788024**

Status : **Answered**

Chosen Option : **3**

Q.14 Who among the following has become the youngest Mayor of Thiruvananthapuram Corporation, Kerala, in December 2020?

Ans ✔️ 1. Arya Rajendran

❌ 2. Sabitha Beegam

❌ 3. Rekha Priyadarshini

❌ 4. Sanjeev Ganesh Naik

Question ID : **6549788021**

Status : **Answered**

Chosen Option : **1**

Q.15 In which of the following years was ADB (Asian Development Bank) established?

Ans ❌ 1. 1959

✔️ 2. 1966

❌ 3. 1978

❌ 4. 1980

Question ID : **6549788023**

Status : **Not Answered**

Chosen Option : **--**

Q.16 Who among the following won the 'EY Entrepreneur of the Year 2019' award?

Ans ❌ 1. Tuhin Parikh

✔️ 2. Kiran Mazumdar-Shaw

❌ 3. Uday Kotak

❌ 4. Adi Godrej

Question ID : **6549789347**

Status : **Marked For Review**

Chosen Option : **1**

Q.17 _____ is the application of plant and soil science to crop production.

Ans ❌ 1. Agrostology

✔️ 2. Agronomy

❌ 3. Bryology

❌ 4. Anatomy

Question ID : **6549788028**

Status : **Answered**

Chosen Option : **2**

Q.18 Who among the following sultans of the Delhi Sultanate appointed Ghiyasuddin
Balban as his/her Prime Minister?

Ans   ✗ 1. Raziyya

✗ 2. Muizuddin Bahram

✓ 3. Nasiruddin Mahmud

✗ 4. Shamsuddin Iltutmish

Question ID : **6549789345**

Status : **Answered**

Chosen Option : **2**

Q.19 As of 30 April 2020, who among the following was the Chairman of' the Eastern Zonal
Council?

Ans   ✗ 1. Narendra Modi

✓ 2. Amit Shah

✗ 3. Rajnath Singh

✗ 4. Kiren Rijiju

Question ID : **6549789348**

Status : **Answered**

Chosen Option : **4**

Q.20 Which of the following Indian cities hosted the 13th Session of the Conference of
Parties to the Convention on the Conservation of Migratory Species of Wild Animals
(CMS COP 13)?

Ans   ✓ 1. Gandhinagar

✗ 2. Noida

✗ 3. New Delhi

✗ 4. Wardha

Question ID : **6549789333**

Status : **Not Answered**

Chosen Option : **--**

Q.21 Which of the following chemicals is responsible for the yellow colour in urine?

Ans   ✓ 1. Urobilin

✗ 2. Albumin

✗ 3. Bilirubin

✗ 4. Creatinine

Question ID : **6549788026**

Status : **Answered**

Chosen Option : **3**

Q.22 Which of the following species was among the species classified as 'endangered migratory species' by the UN's Convention on Conservation of Migratory Species in February 2020?

Ans ✔️ 1. Bengal Florican

❌ 2. Hoolock Gibbons

❌ 3. Bengal Tiger

❌ 4. Asiatic Lion

Question ID : **6549789343**

Status : **Answered**

Chosen Option : **2**

Q.23 Who among the following is the author of the book '40 years with Abdul Kalam - Untold Stories'?

Ans ❌ 1. Chetan Bhagat

❌ 2. YS Rajan

❌ 3. Sarabjit Singh

✔️ 4. Sivathanu Pillai

Question ID : **6549788033**

Status : **Answered**

Chosen Option : **4**

Q.24 Which of the following states has a marine sanctuary called Gahirmatha Marine Sanctuary?

Ans ❌ 1. Tamil Nadu

❌ 2. Kerala

✔️ 3. Odisha

❌ 4. Goa

Question ID : **6549789342**

Status : **Not Answered**

Chosen Option : **--**

Q.25 While working in MS Office software, which of the following commands will you give on a US keyboard layout to undo the previous action?

Ans ❌ 1. Ctrl + N

❌ 2. Ctrl + U

❌ 3. Ctrl + C

✔️ 4. Ctrl + Z

Question ID : **6549789328**

Status : **Answered**

Chosen Option : **2**