

Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	www.qmaths.in
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Venue Name	iON Digital Zone iDZ Elite Cinema
Exam Date	04/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Higher Secondary Level Exam 2020

Section : English Language

Q.1 Select the most appropriate one-word substitution for the given words.

a person who formally requests something, especially a job

- Ans
- ☒ 1. nominee
 - ☒ 2. trainee
 - ☒ 3. applicant
 - ☒ 4. contestant

Question ID : 6549788061
Status : Answered
Chosen Option : 3

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

Dearth

- Ans
- ☒ 1. Weakness
 - ☒ 2. Leakage
 - ☒ 3. Shortage
 - ☒ 4. Death

Question ID : 6549787356
Status : Answered
Chosen Option : 3

Q.3 Select the most appropriate synonym of the given word.

COMPLY

- Ans
- ☒ 1. deny
 - ☒ 2. adore
 - ☒ 3. decline
 - ☒ 4. obey

Question ID : 6549788062
Status : Answered
Chosen Option : 4

Q.4 Fill in the blank with most appropriate word.

This train is _____ for Bihar.

- Ans
- ☒ 1. running
 - ☒ 2. intending
 - ☒ 3. going
 - ☒ 4. bound

Question ID : 6549788064

Status : Answered

Chosen Option : 2

Q.5 Given below are four sentences in jumbled order. Select the option that gives their correct order.

- A. On coming out, his skin would be shining like ebony and he would squeal with pleasure.
- B. First, he would lie down on the sand bank while I rubbed him clean with the sand of the river.
- C. Every day, I used to take the baby elephant to the river for his bath.
- D. After that, he would lie in the water for a long time.

- Ans
- ☒ 1. DABC
 - ☒ 2. CBDA
 - ☒ 3. BADC
 - ☒ 4. ADCB

Question ID : 6549788050

Status : Answered

Chosen Option : 2

Q.6 Select the most appropriate antonym of the given word.

WISDOM

- Ans
- ☒ 1. stupidity
 - ☒ 2. maturity
 - ☒ 3. stability
 - ☒ 4. youth

Question ID : 6549788054

Status : Answered

Chosen Option : 1

Q.7 Select the misspelt word.

- Ans
- ☒ 1. appropriate
 - ☒ 2. accomodate
 - ☒ 3. accelerate
 - ☒ 4. annihilate

Question ID : 6549788059

Status : Answered

Chosen Option : 2

Q.8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. On the other, there is the principle of leadership.
- B. Democracy rests on a tension between two different principles.
- C. While the first gives priority to rules, the second gives importance to persons.
- D. On the one hand, there is the principle of equality before the law, or more generally, equality.

- Ans
- ☒ 1. DACB
 - ☒ 2. CDAB
 - ☒ 3. ADBC
 - ☒ 4. BDAC

Question ID : 6549787344
Status : Answered
Chosen Option : 4

Q.9 Select the most appropriate meaning of the underlined idiom in the given sentence.

His jokes fell flat on the audience.

- Ans
- ☒ 1. irritated
 - ☒ 2. failed to have an effect
 - ☒ 3. provoked laughter
 - ☒ 4. deeply touched

Question ID : 6549788056
Status : Answered
Chosen Option : 2

Q.10 Select the correct indirect form of the given sentence.

She said to her friend, "Will you take my dog for a walk?"

- Ans
- ☒ 1. She asked her friend that if she will take her dog for a walk.
 - ☒ 2. She asked her friend will she take her dog for a walk.
 - ☒ 3. She asked to her friend if she would take my dog for a walk.
 - ☒ 4. She asked her friend if she would take her dog for a walk.

Question ID : 6549788041
Status : Answered
Chosen Option : 4

Q.11 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Torches
 - ☒ 2. Sacrifice
 - ☒ 3. Feature
 - ☒ 4. Highlite

Question ID : 6549787351
Status : Answered
Chosen Option : 4

Q.12 Select the most appropriate meaning of the given idiom.

To go red in the face

- Ans ☒ 1. To feel embarrassed
☐ 2. To feel extremely irritated
☐ 3. To feel very happy and proud
☐ 4. To shout at someone for doing something wrong

Question ID : 6549787350

Status : Answered

Chosen Option : 4

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

Weird

- Ans ☐ 1. Wide
☒ 2. Normal
☐ 3. Abnormal
☐ 4. Apparent

Question ID : 6549787348

Status : Answered

Chosen Option : 2

Q.14 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I practised for the debate; that's why I am late.

- Ans ☐ 1. am practising for
☐ 2. have practised for
☐ 3. No substitution required
☒ 4. was practising for

Question ID : 6549787345

Status : Answered

Chosen Option : 4

Q.15 Select the most appropriate word to fill in the blank.

If the test booklet seal is broken or _____ with, bring it immediately to the notice of the invigilator.

- Ans ☐ 1. adjusted
☒ 2. tampered
☐ 3. opened
☐ 4. closed

Question ID : 6549787358

Status : Answered

Chosen Option : 2

Q.16 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'.

We were quite impressed with the enthusiasm that she work for.

- Ans
- ☒ 1. that she is working on
 - ☒ 2. which she works for
 - ☒ 3. No substitution
 - ☒ 4. that she worked with

Question ID : 6549788053

Status : Answered

Chosen Option : 4

Q.17 Select the option that can be used as a one-word substitute for the given group of words.

Continuing for a long time

- Ans
- ☒ 1. Project (v)
 - ☒ 2. Profound
 - ☒ 3. Prolonged
 - ☒ 4. Infinite

Question ID : 6549787353

Status : Answered

Chosen Option : 3

Q.18 Select the option that expresses the given sentence in the active or passive voice.

Designin clothes were sold to the masses by Pierre Cardin.

- Ans
- ☒ 1. Pierre Cardin had sold designer clothes to the masses.
 - ☒ 2. Designer clothes have been sold by Pierre Cardin to the masses.
 - ☒ 3. The masses were sold by Pierre Cardin to the designer clothes.
 - ☒ 4. Pierre Cardin sold designer clothes to the masses.

Question ID : 6549787333

Status : Answered

Chosen Option : 4

Q.19 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

All our / furnitures were / spoiled in the recent / rains and floods.

- Ans
- ☒ 1. All our
 - ☒ 2. furnitures were
 - ☒ 3. rains and floods
 - ☒ 4. spoiled in the recent

Question ID : 6549787336

Status : Answered

Chosen Option : 2

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

As soon as the bus driver was seeing the child crossing the road, he applied the brakes.

- Ans**
- ☒ 1. crossing the road
 - ☒ 2. he applied the brakes
 - ☒ 3. As soon as the bus driver
 - ☒ 4. was seeing the child

Question ID : 6549788042

Status : Answered

Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

'SkillSet' was founded in 2014 to collect and co-ordinate (1) _____ about educational access and quality for students with special needs and disabilities. The organisation (2) _____ thousands of enquiries every year and offers (3) _____ to students on how to apply to colleges and universities across the country and how to find out about special (4) _____ and scholarships. We ensure easy access to higher education for all students, (5) _____ those with disabilities. Your donations and suggestions will help us to improve our service to customers and you will also be helping us to continue our valuable work.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

- Ans**
- ☒ 1. funding
 - ☒ 2. officials
 - ☒ 3. admissions
 - ☒ 4. information

Question ID : 6549787338

Status : Answered

Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

'SkillSet' was founded in 2014 to collect and co-ordinate (1) _____ about educational access and quality for students with special needs and disabilities. The organisation (2) _____ thousands of enquiries every year and offers (3) _____ to students on how to apply to colleges and universities across the country and how to find out about special (4) _____ and scholarships. We ensure easy access to higher education for all students, (5) _____ those with disabilities. Your donations and suggestions will help us to improve our service to customers and you will also be helping us to continue our valuable work.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

- Ans**
- ☒ 1. transmits
 - ☒ 2. receives
 - ☒ 3. passes
 - ☒ 4. sends

Question ID : 6549787339

Status : Answered

Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

'SkillSet' was founded in 2014 to collect and co-ordinate (1) _____ about educational access and quality for students with special needs and disabilities. The organisation (2) _____ thousands of enquiries every year and offers (3) _____ to students on how to apply to colleges and universities across the country and how to find out about special (4) _____ and scholarships. We ensure easy access to higher education for all students, (5) _____ those with disabilities. Your donations and suggestions will help us to improve our service to customers and you will also be helping us to continue our valuable work.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

- Ans
- ☒ 1. conditions
 - ☒ 2. instructions
 - ☒ 3. comments
 - ☒ 4. advice

Question ID : 6549787340

Status : Answered

Chosen Option : 2

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

'SkillSet' was founded in 2014 to collect and co-ordinate (1) _____ about educational access and quality for students with special needs and disabilities. The organisation (2) _____ thousands of enquiries every year and offers (3) _____ to students on how to apply to colleges and universities across the country and how to find out about special (4) _____ and scholarships. We ensure easy access to higher education for all students, (5) _____ those with disabilities. Your donations and suggestions will help us to improve our service to customers and you will also be helping us to continue our valuable work.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

- Ans
- ☒ 1. facilities
 - ☒ 2. effects
 - ☒ 3. systems
 - ☒ 4. purposes

Question ID : 6549787341

Status : Answered

Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in each blank.

'SkillSet' was founded in 2014 to collect and co-ordinate (1) _____ about educational access and quality for students with special needs and disabilities. The organisation (2) _____ thousands of enquiries every year and offers (3) _____ to students on how to apply to colleges and universities across the country and how to find out about special (4) _____ and scholarships. We ensure easy access to higher education for all students, (5) _____ those with disabilities. Your donations and suggestions will help us to improve our service to customers and you will also be helping us to continue our valuable work.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

- Ans ☒ 1. additionally
☒ 2. especially
☒ 3. except
☒ 4. excluding

Question ID : 6549787342

Status : Answered

Chosen Option : 2

Section : General Intelligence

Q.1 Select the option that is embedded in the given figure (rotation is NOT allowed).



- Ans ☒ 1.
☒ 2.
☒ 3.
☒ 4.

Question ID : 6549787380

Status : Answered

Chosen Option : 4

Q.2 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 trucks are cars.

No wheel is a car.

No car is a bus.

Conclusions:

I. No bus is a truck.

II. No wheel is a bus.

III. Some cars are trucks.

- Ans**
- ☒ 1. Both conclusions I and II follow.
 - ☒ 2. All the conclusions follow.
 - ☒ 3. Both conclusions I and III follow.
 - ☒ 4. Both conclusions II and III follow.

Question ID : 6549787376

Status : Answered

Chosen Option : 3

Q.3 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. Peso
 - ☒ 2. Baht
 - ☒ 3. Oslo
 - ☒ 4. Rial

Question ID : 6549787375

Status : Answered

Chosen Option : 3

Q.4 Three of the following four letter-clusters are alike in a certain way and one is different. Select the odd one.

- Ans**
- ☒ 1. LQVA
 - ☒ 2. KPUZ
 - ☒ 3. TYDI
 - ☒ 4. BGLP

Question ID : 6549788081

Status : Answered

Chosen Option : 4

Q.5 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

Z H _ O R C _ _ K _ R _ Z H _ O _ C

- Ans**
- ☐ 1. K, Z, H, K, R, K, R
 - ☐ 2. Z, H, K, O, C, K, R
 - ☐ 3. K, Z, O, R, C, K, R
 - ☒ 4. K, Z, H, O, C, K, R

Question ID : 6549787270

Status : Answered

Chosen Option : 4

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 and the sixth number is related to the fifth number.

3 : 65 :: 5 : ? :: 4 : 126

- Ans**
- ☐ 1. 216
 - ☐ 2. 344
 - ☒ 3. 217
 - ☐ 4. 166

Question ID : 6549788068

Status : Answered

Chosen Option : 3

Q.7 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- 1. Presume
- 2. Prepare
- 3. Priority
- 4. Prince
- 5. Prick

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

Question ID : 6549788073

Status : Answered

Chosen Option : 4

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

(42, 14, 294)

- Ans**
- ☒ 1. (36, 21, 360)
 - ☒ 2. (34, 18, 306)
 - ☒ 3. (21, 15, 205)
 - ☒ 4. (30, 16, 242)

Question ID : 6549787362

Status : Answered

Chosen Option : 2

Q.9 उस शब्द-युग्म का चयन करें जिसके दोनों शब्द आपस में उसी तरह से संबंधित हैं जिस तरह से निम्नलिखित शब्द युग्म के दोनों शब्द आपस में संबंधित हैं।
भाषा : तेलुगु

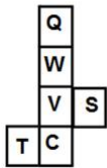
- Ans**
- ☒ 1. समाज : सेवा
 - ☒ 2. वाहन : मैकेनिक
 - ☒ 3. हिंदी : भारत
 - ☒ 4. महाद्वीप : एशिया

Question ID : 6549788080

Status : Answered

Chosen Option : 4

Q.10 Which of the following pairs of letters will be on the opposite faces when the given sheet is folded to form a cube?



- Ans**
- ☒ 1. S and C
 - ☒ 2. T and V
 - ☒ 3. C and W
 - ☒ 4. Q and S

Question ID : 6549788084

Status : Answered

Chosen Option : 3

Q.11 Which two signs should be interchanged to make the given equation correct?

$$21 + 5 - 45 \times 9 \div 3 = 11$$

- Ans
- ☒ 1. + and \times
 - ☒ 2. + and $-$
 - ☒ 3. \div and \times
 - ☒ 4. \times and $-$

Question ID : 6549787360

Status : Answered

Chosen Option : 3

Q.12 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

- Ans
- ☒ 1. 484 : 22
 - ☒ 2. 322 : 18
 - ☒ 3. 225 : 15
 - ☒ 4. 289 : 17

Question ID : 6549788072

Status : Answered

Chosen Option : 2

Q.13 Select the option that is related to the third term in the same way as the second term is related to the first term.

POSTED : TPQEFU :: COUNTS : ?

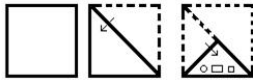
- Ans
- ☒ 1. VPETVO
 - ☒ 2. UQDTUO
 - ☒ 3. VPDTUO
 - ☒ 4. VPTDOW

Question ID : 6549787369

Status : Answered

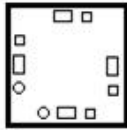
Chosen Option : 3

Q.14 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

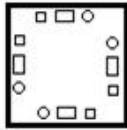


Ans

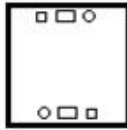
✗ 1.



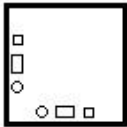
✓ 2.



✗ 3.



✗ 4.



Question ID : 6549787381

Status : Answered

Chosen Option : 2

Q.15 In a certain code language, BACK is written as YEXP and MIXTURE is written as NOCGAIL. How will FROGS be written in that language?

Ans

✓ 1. UIUTH

✗ 2. UULTG

✗ 3. VIVTH

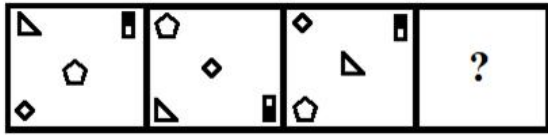
✗ 4. UILTG

Question ID : 6549787367

Status : Answered

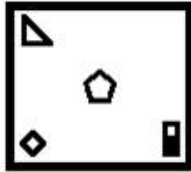
Chosen Option : 1

Q.16 Select the figure that will replace the question mark (?) in the following figure series.

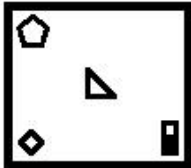


Ans

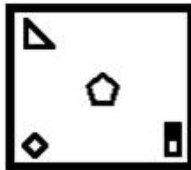
✓ 1.



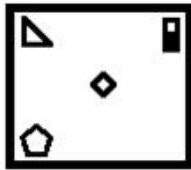
✗ 2.



✗ 3.



✗ 4.



Question ID : 6549788085

Status : Answered

Chosen Option : 1

Q.17 Barun is the son of Chetan. Advita and Chetan are a married couple. Prakul is the brother of Chetan. Diya is the daughter of Advita. Suman is the brother of Barun. How is Diya related to Barun?

Ans

✓ 1. Sister

✗ 2. Aunt

✗ 3. Cousin

✗ 4. Mother

Question ID : 6549786564

Status : Answered

Chosen Option : 1

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

14, 16, 34, 104, 418, ?

- Ans**
- ☒ 1. 2092
 - ☐ 2. 1894
 - ☐ 3. 1560
 - ☐ 4. 2158

Question ID : **6549787364**
 Status : **Answered**
 Chosen Option : 1

Q.19 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

8 F m w a p

M
|
N

- Ans**
- ☐ 1. q s w m F 8
 - ☒ 2. q s w m F 8
 - ☐ 3. d e w m F 8
 - ☐ 4. q s w w F 8

Question ID : **6549787382**
 Status : **Answered**
 Chosen Option : 2

Q.20 Select the option in which the numbers share the same relationship as that shared by the numbers in the given set.

(4, 3, 73)

- Ans**
- ☐ 1. (7, 5, 345)
 - ☐ 2. (6, 2, 230)
 - ☐ 3. (5, 7, 302)
 - ☒ 4. (5, 4, 141)

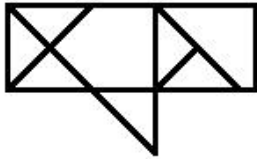
Question ID : **6549788070**
 Status : **Answered**
 Chosen Option : 4

Q.21 What was the day of the week on 22 February 2012?

- Ans
- ☐ 1. Tuesday
 - ☐ 2. Friday
 - ☐ 3. Thursday
 - ☒ 4. Wednesday

Question ID : 6549788066
Status : Answered
Chosen Option : 4

Q.22 How many triangles are there in the figure given below?



- Ans
- ☒ 1. 10
 - ☐ 2. 8
 - ☐ 3. 11
 - ☐ 4. 9

Question ID : 6549788086
Status : Answered
Chosen Option : 1

Q.23 Select the option that is related to the third word in the same way as the second word is related to the first word.

Africa : Algeria : : South America : ?

- Ans
- ☐ 1. Canada
 - ☐ 2. Mexico
 - ☐ 3. Germany
 - ☒ 4. Argentina

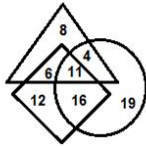
Question ID : 6549787370
Status : Answered
Chosen Option : 4

Q.24 In a code language, if RAFT is written as 180 and DON is written as 99, then how will SHOWER be written in the same language?

- Ans
- ☐ 1. 225
 - ☐ 2. 165
 - ☒ 3. 528
 - ☐ 4. 448

Question ID : 6549788075
Status : Answered
Chosen Option : 3

Q.25 In the Venn Diagram given below, if 'Rhombus' represents 'Psychologists', 'Triangle' represents 'Corporate Employees' and 'Circle' represents 'Fathers', then how many Psychologists are Corporate Employees but NOT Fathers?



- Ans**
- ☒ 1. 8
 - ☒ 2. 11
 - ☒ 3. 6
 - ☒ 4. 12

Question ID : 6549788090
Status : Answered
Chosen Option : 3

Section : Quantitative Aptitude

Q.1 If $a : b = 2 : 3$ and $c : d = 5a : 3b$, then $2c : 5d$ is equal to:

- Ans**
- ☒ 1. 1 : 1
 - ☒ 2. 4 : 9
 - ☒ 3. 9 : 10
 - ☒ 4. 10 : 9

Question ID : 6549788098
Status : Answered
Chosen Option : 2

Q.2 If $x - \frac{2}{x} = 4$, then what will be the value of $x^2 + \frac{4}{x^2}$?

- Ans**
- ☒ 1. 12
 - ☒ 2. 8
 - ☒ 3. 18
 - ☒ 4. 20

Question ID : 6549788104
Status : Answered
Chosen Option : 4

Q.3 A shopkeeper bought pens at the rate of ₹1,350 for 15 dozen pens and sold them at the rate of ₹495 for 5 dozen pens. His percentage profit or percentage loss is:

- Ans**
- ☒ 1. Profit 15%
 - ☒ 2. Loss 15%
 - ☒ 3. Loss 10%
 - ☒ 4. Profit 10%

Question ID : 6549787390
Status : Answered
Chosen Option : 4

Q.4 Two chords AB and CD of a circle intersect at O. If $CO = 4$ cm, $OD = 3.75$ cm, and $AB = 8$ cm, then what is the length (in cm) of the smaller among AO and OB?

- Ans**
- ☒ 1. 5.25
 - ☒ 2. 3
 - ☒ 3. 2.75
 - ☒ 4. 5

Question ID : **6549787394**
Status : **Answered**
Chosen Option : **2**

Q.5 An article was sold for ₹512 after giving two equal successive discounts on the marked price of ₹800. The percentage discount offered is:

- Ans**
- ☒ 1. 16%
 - ☒ 2. 15%
 - ☒ 3. 20%
 - ☒ 4. 18%

Question ID : **6549787388**
Status : **Answered**
Chosen Option : **3**

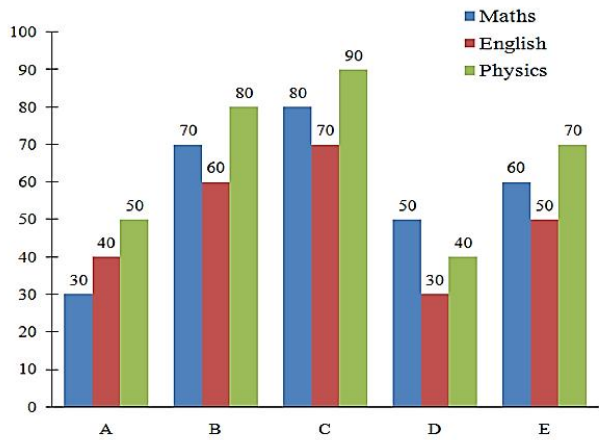
Q.6 A is thrice as efficient as B. A takes 24 days less than B to complete a work. If they work together, in how many days, will the work be completed?

- Ans**
- ☒ 1. 15
 - ☒ 2. 9
 - ☒ 3. 8
 - ☒ 4. 12

Question ID : **6549787384**
Status : **Answered**
Chosen Option : **2**

Q.7 Study the following graph and answer the question that follows.

Marks scored by five students (A, B, C, D and E) in three subjects (Maths, English and Physics)



What is the ratio of the marks of D's in Maths and Physics together to the marks of B's in English and Physics?

- Ans** ☒ 1. 9 : 14
☒ 2. 7 : 14
☒ 3. 14 : 13
☒ 4. 2 : 7

Question ID : 6549788618

Status : Answered

Chosen Option : 1

Q.8 ABC is a right-angled triangle, right-angled at B. D is a point on AC such that AD = 12 cm and CD = 16 cm. If BD bisects $\angle ABC$, then the perimeter of $\triangle ABC$ will be:

- Ans** ☒ 1. 67.2 cm
☒ 2. 66 cm
☒ 3. 66.2 cm
☒ 4. 56.2 cm

Question ID : 6549787396

Status : Answered

Chosen Option : 1

Q.9 Solve the following equation and find the value of θ .

$$3 \cot \theta + \tan \theta - 2\sqrt{3} = 0, 0 < \theta < 90^\circ$$

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

Question ID : 6549787404

Status : Answered

Chosen Option : 2

Q.10 If a number $54k31m82$ is divisible by 11, what will be the maximum value of $(k+m)$?

- Ans**
- ✓ 1. 13
 - ✗ 2. 12
 - ✗ 3. 23
 - ✗ 4. 11

Question ID : **6549788107**

Status : **Answered**

Chosen Option : **2**

Q.11 Study the given pie charts and answer the question that follows.

The pie charts represent the distribution of candidates who were enrolled for Bank Clerical Examination Fig (i) and the candidates (out of those enrolled) who passed the examination Fig (ii) in five different institutes P, Q, R, S and T.

(I) Total number of candidates enrolled in five different institutes = 5500

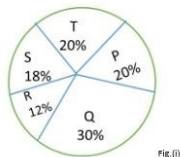


Fig. (i)

(II) Total number of candidates who passed the examination from five institutes = 3300

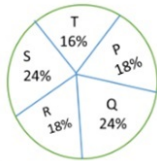


Fig. (ii)

The ratio of the candidates who passed to the candidates enrolled from institute S is:

- Ans**
- ✗ 1. 6 : 7
 - ✗ 2. 5 : 6
 - ✗ 3. 3 : 4
 - ✓ 4. 4 : 5

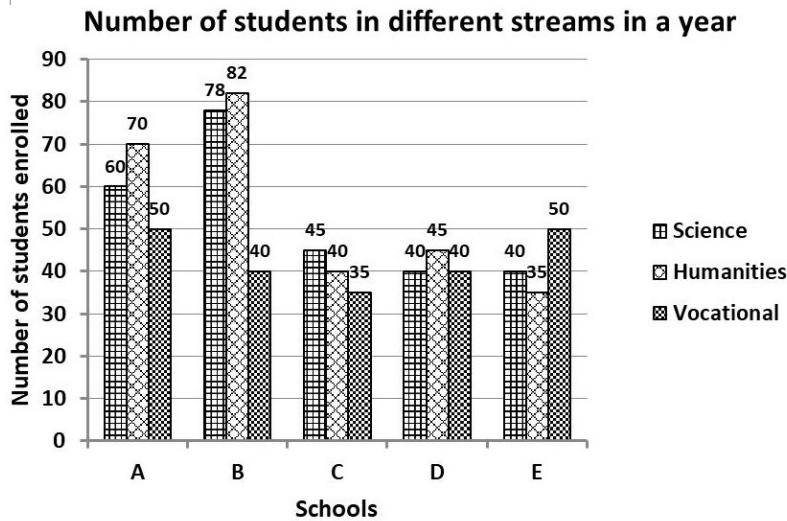
Question ID : **6549787405**

Status : **Answered**

Chosen Option : **4**

Q.12 The number of students enrolled in different streams at Senior Secondary level in five schools has been shown in the bar graph.

What is the ratio of the number of students enrolled in the vocational stream in schools A, C and E taken together to those enrolled in the humanities stream in the schools B, D and E taken together?



- Ans**
- ✓ 1. 5 : 6
 - ✗ 2. 2 : 3
 - ✗ 3. 7 : 9
 - ✗ 4. 9 : 11

Question ID : 6549788115

Status : Answered

Chosen Option : 1

Q.13 The volume of a metallic cylindrical pipe is 3564 cm^3 . If its external radius is 12 cm and thickness is 3 cm, then the length of the pipe will be:

(Take $\pi = \frac{22}{7}$.)

- Ans**
- ✓ 1. 18 cm
 - ✗ 2. 16 cm
 - ✗ 3. 22 cm
 - ✗ 4. 20 cm

Question ID : 6549787386

Status : Answered

Chosen Option : 1

Q.14 The population of a town increased by 15% in 2018 and 10% in 2019. Due to a pandemic, it decreased by 10% in 2020. What was the percentage increase in the population of the town in 3 years?

- Ans**
- ✗ 1. 12.5%
 - ✓ 2. 13.85%
 - ✗ 3. 17.5%
 - ✗ 4. 15%

Question ID : 6549788096

Status : Answered

Chosen Option : 2

Q.15 A train starts running at a uniform speed of 60 km/h from station P towards station Q. At the same time another train starts running from station Q towards station P. If the distance between the stations P and Q is 275 km and the trains meet in two and a half hours, then what is the speed of the train running towards station P in km/h?

- Ans**
- ☒ 1. 50
 - ☐ 2. 40
 - ☐ 3. 44
 - ☐ 4. 48

Question ID : **6549788092**
Status : **Answered**
Chosen Option : **1**

Q.16 Varun and Madhur invested ₹25,000 each in different schemes. Varun earned simple interest at 11% per annum, whereas Madhur earned compound interest at 10% per annum compounded annually. Who received more interest after 2 years and how much?

- Ans**
- ☐ 1. Madhur, ₹302.50
 - ☒ 2. Varun, ₹250
 - ☐ 3. Madhur, ₹250
 - ☐ 4. Varun, ₹500

Question ID : **6549788099**
Status : **Answered**
Chosen Option : **2**

Q.17 If $\sqrt{x} + \frac{1}{\sqrt{x}} = \sqrt{6}$, then the value of $x^6 + \frac{1}{x^6}$ will be:

- Ans**
- ☐ 1. 2712
 - ☐ 2. 2502
 - ☐ 3. 2270
 - ☒ 4. 2702

Question ID : **6549787399**
Status : **Answered**
Chosen Option : **4**

Q.18 In a circle with centre O, PA and PB are the tangents at A and B, respectively, from an external point P. If $\angle APB = 42^\circ$, then what will be the measure of $\angle AOB$?

- Ans**
- ☐ 1. 159°
 - ☐ 2. 142°
 - ☐ 3. 121°
 - ☒ 4. 138°

Question ID : **6549788100**
Status : **Answered**
Chosen Option : **4**

Q.19 The average daily income of Shyam Lal during the month of February 2020 was ₹560. The average income for the first 16 days was ₹590 and for the last 16 days it was ₹500. What was his average income for 14th, 15th and 16th February?

- Ans**
- ✓ 1. ₹400
 - ✗ 2. ₹587
 - ✗ 3. ₹590
 - ✗ 4. ₹545

Question ID : **6549788094**
Status : **Answered**
Chosen Option : **1**

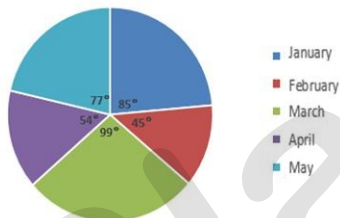
Q.20 If $x^4 + \frac{1}{x^4} = 3842$, then the positive value of $x + \frac{1}{x}$ will be:

- Ans**
- ✗ 1. 12
 - ✗ 2. 6
 - ✗ 3. 10
 - ✓ 4. 8

Question ID : **6549787398**
Status : **Answered**
Chosen Option : **4**

Q.21 Study the given pie chart and answer the question that follows.

The pie chart shows the distribution (degree-wise) of the number of computers sold by a shopkeeper during five months.
Total Number of Computers Sold = 5400



In which month was the number of computers sold above 25% of the total number of computers sold in 5 months?

- Ans**
- ✗ 1. May
 - ✗ 2. February
 - ✓ 3. March
 - ✗ 4. January

Question ID : **6549787104**
Status : **Answered**
Chosen Option : **3**

Q.22 In triangle ABC, if BD and CD bisect $\angle B$ and $\angle C$, respectively, and $\angle BDC = 135^\circ$, then find the measure of $\angle BAC$.

- Ans
- ☒ 1. 65°
 - ☒ 2. 75°
 - ☒ 3. 45°
 - ☒ 4. 90°

Question ID : 6549788102

Status : Answered

Chosen Option : 4

Q.23 If $\operatorname{cosec} \theta = \frac{41}{9}$ and θ is an acute angle, then the value of $5 \tan \theta$ will be:

- Ans
- ☒ 1. $\frac{11}{8}$
 - ☒ 2. $\frac{13}{4}$
 - ☒ 3. $\frac{7}{8}$
 - ☒ 4. $\frac{9}{8}$

Question ID : 6549787402

Status : Answered

Chosen Option : 4

Q.24 A rhombus of side 28 cm has one angle of 60° . What is the length of the larger diagonal?

- Ans
- ☒ 1. $28\sqrt{2}$ cm
 - ☒ 2. $28\sqrt{3}$ cm
 - ☒ 3. 28 cm
 - ☒ 4. $28(1 + \sqrt{3})$ cm

Question ID : 6549788110

Status : Answered

Chosen Option : 4

Q.25

The value of $31\frac{2}{5} \div \left[168 \div \frac{3}{7} \text{ of } 28 + \left(33 \div \frac{5}{2} \right) + \left(7\frac{3}{5} - 3\frac{2}{5} \right) \right]$ is:

Ans

- ☒ 1. 1
☐ 2. 3
☐ 3. 5
☐ 4. 10

Question ID : 6549787401

Status : Answered

Chosen Option : 1

Section : General Awareness

Q.1 Which Indian actor was conferred with the 'Most Inspiring Indian Bollywood Actor' award in the UK in 2019?

Ans

- ☐ 1. Nawazuddin Siddique
☒ 2. Sanjay Kapoor
☐ 3. Boman Irani
☐ 4. John Abraham

Question ID : 6549788135

Status : Answered

Chosen Option : 1

Q.2 In which country was the World Snooker Championship 2020 held from 31 July to 16 August 2020?

Ans

- ☐ 1. Switzerland
☐ 2. Germany
☐ 3. France
☒ 4. England

Question ID : 6549787432

Status : Not Answered

Chosen Option : --

Q.3 Down Syndrome, which causes learning difficulties and physical health development delays and disabilities, is a:

Ans

- ☐ 1. bacterial disease
☐ 2. viral disease
☐ 3. fungal disease
☒ 4. genetic disease

Question ID : 6549787420

Status : Answered

Chosen Option : 4

Q.4 Which of the following keyboard shortcuts will you press in order to minimise all programs on a computer screen and display the desktop?

- Ans
- ☐ 1. Windows + M
 - ☐ 2. Windows + C
 - ☐ 3. Windows + F
 - ☒ 4. Windows + D

Question ID : **6549788116**
Status : **Answered**
Chosen Option : 1

Q.5 Bhaskaravarman of the Varman dynasty ruled in the _____ region.

- Ans
- ☐ 1. Ujjain
 - ☒ 2. Kamarupa
 - ☐ 3. Vaishali
 - ☐ 4. Magadha

Question ID : **6549788133**
Status : **Not Answered**
Chosen Option : --

Q.6 In which of the following caves is the painting named 'Padmapani Bodhisattva' found?

- Ans
- ☐ 1. Ajanta Cave No. 3
 - ☒ 2. Ajanta Cave No. 1
 - ☐ 3. Ajanta Cave No. 4
 - ☐ 4. Ajanta Cave No. 2

Question ID : **6549787412**
Status : **Not Answered**
Chosen Option : --

Q.7 What do you call the point in the orbit of the moon or a satellite at which it is nearest to Earth?

- Ans
- ☐ 1. Apsis
 - ☒ 2. Perigee
 - ☐ 3. Apogee
 - ☐ 4. Eclipse

Question ID : **6549788131**
Status : **Answered**
Chosen Option : 3

Q.8 CorelDraw is an example of a/an:

- Ans ☒ 1. desktop publishing software
☐ 2. spreadsheet software
☐ 3. accounting software
☐ 4. database software

Question ID : 6549787410
Status : Answered
Chosen Option : 2

Q.9 Who among the following took charge as the CEO and Managing Director of HDFC Bank in October 2020?

- Ans ☐ 1. Amitabh Chaudhry
☐ 2. Sandeep Bakhshi
☒ 3. Sashidhar Jagdishan
☐ 4. Rakesh Sharma

Question ID : 6549788123
Status : Answered
Chosen Option : 3

Q.10 निम्न में से कौन-सी चट्टानों का निर्माण शिलीभवन प्रक्रिया (lithification process) द्वारा होता है?

- Ans ☐ 1. कार्यांतरित चट्टानों का
☐ 2. आग्नेय चट्टानों का
☒ 3. अवसादी चट्टानों का
☐ 4. प्राथमिक चट्टानों का

Question ID : 6549787422
Status : Answered
Chosen Option : 3

Q.11 What is the generic name of calcium sulphate hemihydrate?

- Ans ☐ 1. Baking soda
☒ 2. Plaster of Paris
☐ 3. Detergent powder
☐ 4. Vinegar

Question ID : 6549788126
Status : Answered
Chosen Option : 2

Q.12 Which of the following is NOT a use of washing soda?

- Ans**
- ☒ 1. It is used in glass, soap and paper industries.
 - ☒ 2. It can be used as a cleaning agent for domestic purposes.
 - ☒ 3. It is used to make drinking water free from germs.
 - ☒ 4. It is used for removing permanent hardness of water.

Question ID : **6549787418**
Status : **Answered**
Chosen Option : **4**

Q.13 In 2020, the Nobel Prize in Physiology or Medicine was awarded jointly to Harvey J Alter, Michael Houghton and Charles M Rice for the discovery of:

- Ans**
- ☒ 1. hepatitis C virus
 - ☒ 2. tobacco mosaic virus
 - ☒ 3. Epstein-Barr virus
 - ☒ 4. Norwalk virus

Question ID : **6549787427**
Status : **Answered**
Chosen Option : **1**

Q.14 Which of the following rivers originates from the state of Rajasthan?

- Ans**
- ☒ 1. Narmada
 - ☒ 2. Banas
 - ☒ 3. Chambal
 - ☒ 4. Mahi

Question ID : **6549787421**
Status : **Answered**
Chosen Option : **4**

Q.15 Who was the ruler of Delhi sultanate when Ibn Batuta came in India?

- Ans**
- ☒ 1. Alauddin Khalji
 - ☒ 2. Ibrahim Lodi
 - ☒ 3. Firuz Shah Tughlaq
 - ☒ 4. Muhammad Bin Tughlaq

Question ID : **6549787425**
Status : **Answered**
Chosen Option : **4**

Q.16 What minimum support price per quintal of groundnut has been declared by the Government of India for the marketing season 2020-21?

- Ans
- ☐ 1. ₹6285
 - ☐ 2. ₹6765
 - ☐ 3. ₹4795
 - ☒ 4. ₹5275

Question ID : 6549787417

Status : Not Answered

Chosen Option : --

Q.17 Mirzai and bandi (types of jackets in white or black) are popular in the _____ region/s.

- Ans
- ☐ 1. North Eastern
 - ☐ 2. Western Ghat
 - ☐ 3. Ladakh and Kashmir
 - ☒ 4. Bundelkhand and Malwa

Question ID : 6549788118

Status : Not Answered

Chosen Option : --

Q.18 निम्नलिखित में से कौन सी एशिया की सबसे बड़ी खारे पानी की झील है?

- Ans
- ☐ 1. वूलर
 - ☒ 2. चिलका
 - ☐ 3. लोकटक
 - ☐ 4. पुलीकट

Question ID : 6549788130

Status : Answered

Chosen Option : 2

Q.19 Which of the given Articles of the Constitution of India mentions the following?

"There shall be a council of Ministers with the Prime Minister at the head to aid and advise the President who shall in the exercise of his functions, act in accordance with such advice."

- Ans
- ☐ 1. Article 74(2)
 - ☐ 2. Article 71(2)
 - ☐ 3. Article 71(1)
 - ☒ 4. Article 74(1)

Question ID : 6549787430

Status : Answered

Chosen Option : 1

Q.20 Convention on the prohibition of the use of nuclear weapons and reducing nuclear danger under the nuclear weapons cluster were two resolutions sponsored by India that _____ adopted in 2020.

- Ans**
- ☐ 1. World Bank
 - ☐ 2. World Health Organization
 - ☐ 3. International Labour Organization
 - ☒ 4. UN General Assembly

Question ID : **6549788121**
Status : **Answered**
Chosen Option : **4**

Q.21 _____ launched 'Harit Path', a mobile app, in 2020.

- Ans**
- ☒ 1. National Highways Authority of India
 - ☐ 2. Public Works Department of Delhi
 - ☐ 3. Central Public Works Department
 - ☐ 4. Pradhan Mantri Gram Sadak Yojana

Question ID : **6549788120**
Status : **Answered**
Chosen Option : **1**

Q.22 In which year did India host the Commonwealth Games?

- Ans**
- ☐ 1. 2014
 - ☐ 2. 2018
 - ☒ 3. 2010
 - ☐ 4. 2006

Question ID : **6549788138**
Status : **Answered**
Chosen Option : **3**

Q.23 Which has been India's most successful sport in the history of Olympic games having won medals maximum number of times till December 2020?

- Ans**
- ☐ 1. Wrestling
 - ☐ 2. Football
 - ☒ 3. Field Hockey
 - ☐ 4. Badminton

Question ID : **6549788140**
Status : **Answered**
Chosen Option : **1**

Q.24 Who among the following became the youngest speaker of Lok Sabha till March 2021?

- Ans**
- ☒ 1. PA Sangma
 - ☐ 2. Ganti Mohana Chandra Balayogi
 - ☐ 3. Sumitra Mahajan
 - ☐ 4. Meira Kumar

Question ID : **6549788136**
Status : **Answered**
Chosen Option : **4**

Q.25 Which of the following organisations released the 'Global Economic Freedom Index 2020 Annual Report'?

- Ans**
- ☒ 1. The Heritage Foundation
 - ☐ 2. World Economic Forum
 - ☐ 3. StartupBlink
 - ☐ 4. Germanwatch

Question ID : **6549787415**
Status : **Answered**
Chosen Option : **2**

Blackbook