Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	Join Youtube Channel
Candidate Name	Join Youtube Channel
Venue Name	Institute of Instrumentation and Metrology
Exam Date	10/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Higher Secondary Level Exam 2020

Section : **English Language**

Q.1 Select the most appropriate word to fill in the blank.

As the Principal was busy, she _____ a senior teacher to attend the conference on her behalf.

Ans ✖ 1. Reserved

✖ 2. Declared

✖ 3. Committed

✔ 4. Deputed

Question ID : **6549787055**
Status : **Answered**
Chosen Option : **4**

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

Silt

Ans ✖ 1. Cut

✔ 2. Residue

✖ 3. Opening

✖ 4. Incision

Question ID : **6549786042**
Status : **Answered**
Chosen Option : **2**

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

Inept

Ans ✖ 1. Partial

✔ 2. Competent

✖ 3. Lacking

✖ 4. Useless

Question ID : **6549787045**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the most appropriate synonym of the given word.

Vacillate

Ans ✗ 1. Fortify

✓ 2. Waver

✗ 3. Augment

✗ 4. Strengthen

Question ID : **6549787053**

Status : **Not Answered**

Chosen Option : **--**

Q.5 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Your advices were timely / and guided me / to take the right decisions.

Ans ✗ 1. to take the right decisions

✗ 2. No error

✗ 3. and guided me

✓ 4. Your advices were timely

Question ID : **6549787033**

Status : **Not Answered**

Chosen Option : **--**

Q.6 Select the INCORRECTLY spelt word.

Ans ✗ 1. Presentable

✗ 2. Peaceful

✗ 3. Plenary

✓ 4. Preshious

Question ID : **6549786039**

Status : **Answered**

Chosen Option : **3**

Q.7 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'.

Regard of whether the students were ready or not the teacher announced the dates of the test.

Ans ✗ 1. Regarding whether

✓ 2. Regardless of whether

✗ 3. No substitution required

✗ 4. Regardless of whatsoever

Question ID : **6549786033**

Status : **Answered**

Chosen Option : **2**

Q.8 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Vidya put on her mask, / sanitise her hands / and walked into the shop.

Ans ✗ 1. and walked into the shop

✗ 2. No error

✗ 3. Vidya put on her mask

✔ 4. sanitise her hands

Question ID : **6549786022**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the INCORRECTLY spelt word.

Ans ✗ 1. Inherit

✗ 2. Implant

✗ 3. Accede

✔ 4. Suceed

Question ID : **6549787048**
Status : **Answered**
Chosen Option : **4**

Q.10 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'.

If a person tests positive for Covid-19, he have to isolate himself immediately so that he does not infect others.

Ans ✔ 1. he has to isolate himself

✗ 2. he isolated himself

✗ 3. he must have to isolate

✗ 4. No substitution required

Question ID : **6549787042**
Status : **Answered**
Chosen Option : **1**

Q.11 Select the most appropriate word to fill in the blank.

Carbohydrates are so called because they _____ carbon, oxygen and hydrogen.

Ans ✗ 1. cover

✔ 2. contain

✗ 3. consist

✗ 4. codify

Question ID : **6549786044**
Status : **Answered**
Chosen Option : **2**

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

Break the ice

Ans ✗ 1. Arrange for a skating show

✗ 2. Cool the room for everyone

✔ 3. Make a beginning or start something

✗ 4. Make things available for a party

Question ID : **6549786036**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the option that expresses the given sentence in passive voice.

Ravi drove the car towards the highway for a trial run.

Ans ✔ 1. The car was driven towards the highway for a trial run by Ravi.

✗ 2. The car had been driven for a trial run by Ravi towards the highway.

✗ 3. The car was driving towards the highway for a trial run by Ravi.

✗ 4. The car had driven towards the highway for a trial run by Ravi.

Question ID : **6549787030**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Select the option that expresses the given sentence in direct speech.

The customer asked the bank manager if they were working on the following Saturday.

Ans ✗ 1. The customer said to the bank manager, "Were they working on the previous Saturday?"

✗ 2. The customer asked the bank manager, "Are they working on the previous Saturday?"

✗ 3. The customer asks the bank manager, "If you were working on the following Saturday?"

✔ 4. The customer said to the bank manager, "Are you working next Saturday?"

Question ID : **6549786021**
Status : **Answered**
Chosen Option : **4**

Q.15 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. First, a new article comes into our offices.
B. Every article in the Encyclopedia goes through a rigorous editorial process to make sure it's clear, accurate, objective and fair.
C. The article is first reviewed by a fact checker, who uses a variety of sources to make sure the article is accurate and the facts are correct.
D. The author may be an editor at the Encyclopedia who knows that subject or a prominent scholar with specialised expertise in that field.

Ans ✗ 1. CDAB

✗ 2. BCAD

✔ 3. BADC

✗ 4. CADB

Question ID : **6549786030**
Status : **Marked For Review**
Chosen Option : **3**

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

Rigid

Ans ✔ 1. Flexible

✗ 2. Firm

✗ 3. Definite

✗ 4. Adamant

Question ID : **6549786034**
Status : **Answered**
Chosen Option : **1**

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

The arrangement of events or dates in the order of their occurrence.

Ans ✔ 1. Chronology

✗ 2. Chronic

✗ 3. Calendar

✗ 4. Routine

Question ID : **6549787050**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the option that can be used as a one-word substitute for the given group of words.

A place of ideal perfection especially in laws, government, and social conditions

Ans ✗ 1. Aden

✗ 2. Heaven

✓ 3. Utopia

✗ 4. Paradise

Question ID : **6549786041**

Status : **Answered**

Chosen Option : **3**

Q.19 Select the most appropriate meaning of the given idiom.

A lean patch

Ans ✗ 1. A part of hair that is thin

✗ 2. Cloth that is beginning to tear

✓ 3. A period of poor performance

✗ 4. Friendship that has ended

Question ID : **6549787047**

Status : **Not Answered**

Chosen Option : **--**

Q.20 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. The country gained admission to the United Nations in 1955.
B. In 2008, however, after a decade long period of violence and turbulent negotiation with a strong Maoist insurgency, the monarchy was dissolved, and Nepal was declared a democratic republic.
C. In 1991 the kingdom established a multiparty parliamentary system.
D. Nepal, long under the rule of hereditary prime ministers favouring a policy of isolation, remained closed to the outside world until a palace revolt in 1950 restored the crown's authority in 1951.

Ans ✗ 1. CABD

✗ 2. BCDA

✓ 3. DACB

✗ 4. DBAC

Question ID : **6549787041**

Status : **Answered**

Chosen Option : **3**

Comprehension:

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

Seychelles, one of the world's smallest countries, is (1)_____ of two main island groups: the Mahé group of (2)_____ than 40 central, mountainous granitic islands and a (3)_____ group of more than 70 outer, flat, coralline islands. The islands of the Mahé group are rocky and (4)_____ have a narrow coastal strip and a central range of hills. The (5)_____ feature of those islands, with their lush tropical vegetation, is that of high hanging gardens overlooking silver-white beaches and clear lagoons.

SubQuestion No : 21

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

Ans ✗ 1. Contained

✔ 2. Composed

✗ 3. Combined

✗ 4. Covered

Question ID : **6549787035**
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.

Seychelles, one of the world's smallest countries, is (1)_____ of two main island groups: the Mahé group of (2)_____ than 40 central, mountainous granitic islands and a (3)_____ group of more than 70 outer, flat, coralline islands. The islands of the Mahé group are rocky and (4)_____ have a narrow coastal strip and a central range of hills. The (5)_____ feature of those islands, with their lush tropical vegetation, is that of high hanging gardens overlooking silver-white beaches and clear lagoons.

SubQuestion No : 22

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

Ans ✗ 1. Further

✗ 2. Beyond

✗ 3. Extra

✔ 4. More

Question ID : **6549787036**
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.

Seychelles, one of the world's smallest countries, is (1)_____ of two main island groups: the Mahé group of (2)_____ than 40 central, mountainous granitic islands and a (3)_____ group of more than 70 outer, flat, coralline islands. The islands of the Mahé group are rocky and (4)_____ have a narrow coastal strip and a central range of hills. The (5)_____ feature of those islands, with their lush tropical vegetation, is that of high hanging gardens overlooking silver-white beaches and clear lagoons.

SubQuestion No : 23

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

Ans ✗ 1. Subsequent

✗ 2. Next

✔ 3. Second

✗ 4. Succeeding

Question ID : **6549787037**
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.

Seychelles, one of the world's smallest countries, is (1)_____ of two main island groups: the Mahé group of (2)_____ than 40 central, mountainous granitic islands and a (3)_____ group of more than 70 outer, flat, coralline islands. The islands of the Mahé group are rocky and (4)_____ have a narrow coastal strip and a central range of hills. The (5)_____ feature of those islands, with their lush tropical vegetation, is that of high hanging gardens overlooking silver-white beaches and clear lagoons.

SubQuestion No : 24

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

Ans ✔ 1. Typically

✗ 2. Regularly

✗ 3. Routinely

✗ 4. Habitually

Question ID : **6549787038**
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.

Seychelles, one of the world's smallest countries, is (1)_____ of two main island groups: the Mahé group of (2)_____ than 40 central, mountainous granitic islands and a (3)_____ group of more than 70 outer, flat, coralline islands. The islands of the Mahé group are rocky and (4)_____ have a narrow coastal strip and a central range of hills. The (5)_____ feature of those islands, with their lush tropical vegetation, is that of high hanging gardens overlooking silver-white beaches and clear lagoons.

SubQuestion No : 25

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

Ans   ✔ 1. Predominant

       ✘ 2. Collective

       ✘ 3. Wide

       ✘ 4. Global

Question ID : **6549787039**
Status : **Answered**
Chosen Option : **1**

Section : **General Intelligence**

Q.1 In a certain code language, TOGETHER is coded as 119 and MASTER is coded as 87. How will REVERSE be coded in that language?

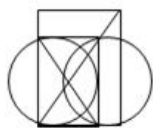Ans   ✘ 1. 94

       ✘ 2. 96

       ✔ 3. 98
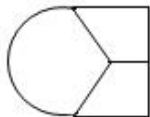
       ✘ 4. 92

Question ID : **6549786055**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the option that is embedded in the given figure (rotation is NOT allowed).
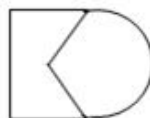

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

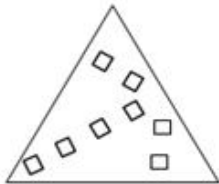Question ID : **6549787077**
Status : **Answered**
Chosen Option : **3**

Q.3 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?
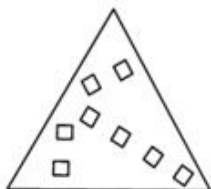

Ans
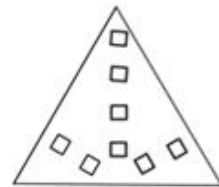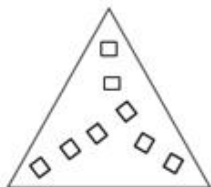
✔️ 1.

❌ 2.

❌ 3.

❌ 4.

Question ID : **6549787078**
Status : **Answered**
Chosen Option : **4**

Q.4 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

t _ f e t c _ _ _ c f e

Ans   ✔️ 1. c f e t

❌ 2. e c f t

❌ 3. f e t c

❌ 4. t c f e

Question ID : **6549789763**
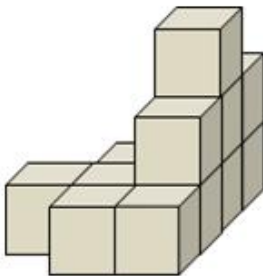Status : **Answered**
Chosen Option : **1**

Q.5 Three different positions of the same dice are shown. Select the number that will be on the face opposite to the face having the number 4.

Ans   ✗ 1. 6

      ✗ 2. 2

      ✗ 3. 3

      ✔ 4. 1

Question ID : **6549786064**
Status : **Answered**
Chosen Option : **4**

Q.6 How many cubes are there in the given figure?

Ans   ✗ 1. 11

      ✔ 2. 12

      ✗ 3. 14

      ✗ 4. 13

Question ID : **6549786066**
Status : **Answered**
Chosen Option : **2**

Q.7 Select the option that is related to the third word in the same way as the second word is related to the first word.

Hollow : Worthless : : Solid : ?

Ans   ✔ 1. Sound

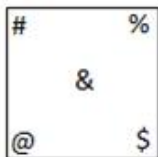   ✗ 2. Sincere

      ✗ 3. Acceptance

      ✗ 4. Clear

Question ID : **6549787067**
Status : **Answered**
Chosen Option : **2**

Q.8 Select the figure from among the given options that can replace the question mark (?) in the following series.

$\quad$@	&	$\quad$%	?
&	%	#	
# $\quad$%	@ $\quad$#	$ $\quad$@	

Ans

✗ 1.
#	%
	&
@	$

✗ 2.
$	%
	#
@	&

✔ 3.
#	%
	@
&	$

✗ 4.
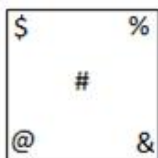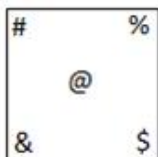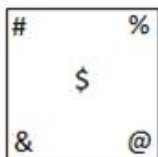|	
#	%
$	
&	@

Question ID : **6549786065**
Status : **Answered**
Chosen Option : **3**

Q.9 Sunaina introduced Ritik as the son of the brother of her mother. How is Ritik related to Sunaina?

Ans ✗ 1. Son

✗ 2. Nephew

✔ 3. Cousin

✗ 4. Uncle

Question ID : **6549786160**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the option that is related to the third term in the same way as the second term is related to the first term.

COMPETE : OCETPME : : EXTREME : ?

Ans ✗ 1. EMXEERT

✗ 2. RTXEEME

✔ 3. XEEMRTE

✗ 4. XERTMEE

Question ID : **6549787066**

Status : **Answered**

Chosen Option : **3**

Q.11 Select the number from among the given options that can replace the question mark (?) in the following series.

8, 11, 17, 26, 38, ?

Ans ✔ 1. 53

✗ 2. 56

✗ 3. 50

✗ 4. 58

Question ID : **6549787061**

Status : **Answered**

Chosen Option : **1**

Q.12 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

56 : 67

Ans ✔ 1. 85 : 98

✗ 2. 76 : 88

✗ 3. 49 : 58

✗ 4. 63 : 75

Question ID : **6549786048**

Status : **Answered**

Chosen Option : **4**

Q.13 Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1. Beam
2. Canopy
3. Foundation
4. Roof
5. Column

Ans ✔ 1. 3-5-1-4-2

✘ 2. 1-2-5-3-4

✘ 3. 3-2-1-5-4

✘ 4. 5-3-1-2-4

Question ID : **6549786053**
Status : **Answered**
Chosen Option : **3**

Q.14 Select the option that is related to the third word in the same way as the second word is related to the first word.

Sacred : Profane : : Barren : ?

Ans ✔ 1. Fertile

✘ 2. Desert

✘ 3. Sterile

✘ 4. Empty

Question ID : **6549786060**
Status : **Answered**
Chosen Option : **2**

Q.15 Four letter-clusters have been given in the options, out of which three letter-clusters are alike in some manner and one is different. Select the letter-cluster that is different.

Ans ✘ 1. UROL

✔ 2. GDBY

✘ 3. JGDA

✘ 4. QNKH

Question ID : **6549786061**
Status : **Answered**
Chosen Option : **2**

Q.16 Which two digits and two signs need to be interchanged so as to balance the given equation?

98 ÷ 4 − 126 + 96 × 5 = 266

Ans ✘ 1. 6 and 4; × and ÷

✔ 2. 5 and 8; × and ÷

✘ 3. 5 and 9; + and ÷

✘ 4. 8 and 2; − and +

Question ID : **6549787057**
Status : **Answered**
Chosen Option : **2**

Q.17 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 bats are sticks.
All sticks are woods.

Conclusions:
I. Some woods are not bats.
II. All bats are woods.

Ans ✔️ 1. Only conclusion II follows.

❌ 2. Both conclusions I and II follow.

❌ 3. Neither conclusion I nor II follows.

❌ 4. Only conclusion I follows.

Question ID : **6549787073**
Status : **Answered**
Chosen Option : **2**

Q.18 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. 139

✔️ 2. 183

❌ 3. 163

❌ 4. 199

Question ID : **6549786052**
Status : **Answered**
Chosen Option : **2**

Q.19 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. Honest

❌ 2. Confident

✔️ 3. Coward

❌ 4. Intelligent

Question ID : **6549787072**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(92, 85, 82)

Ans ✗ 1. (69, 66, 62)

✗ 2. (71, 65, 62)

✔ 3. (83, 78, 77)

✗ 4. (28, 23, 21)

Q.21 Select the correct mirror image of the given figure when the mirror is placed at the right side.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.22 Select the Venn diagram that best represents the relationship between the following classes.

Carnivorous, Frog, Amphibian

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
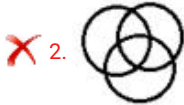
Q.23 Train A, which runs at a speed of 90 km/h, starts from Station Y at 8 a.m. Train B, which runs at a speed of 120 km/h, starts from Station Y on the same route at 8.10 a.m.. If Train B catches up with Train A at 8.40 a.m. at Station Z, then what is the distance between Stations Y and Z?

Ans

✗ 1. 50 km

✔ 2. 60 km

✗ 3. 54 km

✗ 4. 62 km

Q.24 Select the option in which the numbers are related in the same way as are the numbers of the following set.

32 : 63 : 123

Ans

✔ 1. 26 : 48 : 92

✗ 2. 35 : 72 : 149

✗ 3. 26 : 51 : 100

✗ 4. 33 : 66 : 130

Q.25 In a certain code language, TRAILER is written as QPXGICO. How will ALMIRAH be written in that language?

Ans ✗ 1. XIJFOXE

  ✗ 2. YJKGPYF

  ✔ 3. XJJGOYE

  ✗ 4. YIKFPXF

Question ID : **6549787064**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 In a trapezium $ABCD$, $DC \parallel AB$, $AB = 16\ cm$ and $DC = 11.2\ cm$. What is the length (in cm) of the line segment joining the mid points of its diagonals?

Ans ✗ 1. 1.2

  ✗ 2. 1.8

  ✗ 3. 2.8

  ✔ 4. 2.4

Question ID : **6549787093**
Status : **Answered**
Chosen Option : **4**

Q.2 If $(1 + \cot^2\theta) + (1 + (\cot^2\theta)^{-1})$ is equal to k, then $\sqrt{k} = ?$

Ans ✗ 1. $\operatorname{cosec}\theta\cos\theta$

  ✔ 2. $\operatorname{cosec}\theta\sec\theta$

  ✗ 3. $\sin\theta\sec\theta$

  ✗ 4. $\sin\theta\cos\theta$

Question ID : **6549787101**
Status : **Answered**
Chosen Option : **2**

Q.3 A marks her goods 25% above the cost price. She sells 25% of the goods at the marked price, 60% at 25% discount and the remaining at 10% discount. What is her overall gain or loss per cent?

Ans ✗ 1. Gain 15.124%

  ✗ 2. Loss 18.175%

  ✗ 3. Loss 3.125%

  ✔ 4. Gain 4.375%

Question ID : **6549787085**
Status : **Answered**
Chosen Option : **3**

Q.4 In a class of 80 students (boys and girls) there are 60 % girls . The average weight of the boys is 58 kg and that of the girls is 52 kg. What is the average weight (in kg) of the whole class?

Ans
✗ 1. 55
✗ 2. 53.6
✔ 3. 54.4
✗ 4. 56.2

Q.5 By selling a car for ₹6,32,500, a showroom owner makes a profit of 15%. If he sold the car at ₹8,10,000, then what would be the profit percentage (correct to one decimal place)?

Ans
✗ 1. 51.4%
✔ 2. 47.3%
✗ 3. 44.8%
✗ 4. 41.5%

Q.6 If $a + b + c = 5$, $a^2 + b^2 + c^2 = 27$, and $a^3 + b^3 + c^3 = 125$, then the value of $\frac{abc}{5}$ is:

Ans
✗ 1. 1
✗ 2. 5
✔ 3. −1
✗ 4. −5

Q.7 The sides AB, BC and AC of $\triangle ABC$ are 12 cm, 8 cm and 10 cm, respectively. A circle is inscribed in the triangle touching AB, BC and AC at D, E and F, respectively. The ratio of the lengths of AD to CE is:

Ans
✗ 1. 5 : 7
✗ 2. 3 : 5
✗ 3. 10 : 7
✔ 4. 7 : 3

Q.8 $\dfrac{775 \times 775 \times 775 + 225 \times 225 \times 225}{77.5 \times 77.5 + 22.5 \times 22.5 - 77.5 \times 22.5}$ is equal to:

Ans
✗ 1. 0.1

✔ 2. 100000

✗ 3. 100

✗ 4. 10000

Q.9 Study the pie chart and answer the question that follows.

The given pie chart shows the degree of cost incurred in different expenditure on the construction of a house. The total expenditure is ₹31,50,000.

Degree of cost incurred in different expenditure

- ■ Steel
- ■ Cement
- ■ Brick
- ■ Labour
- ■ Miscellaneous
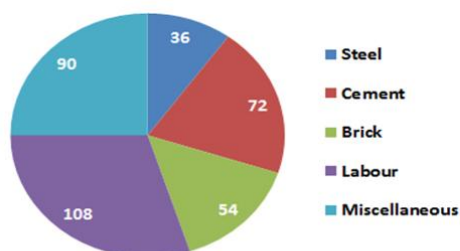
What is the percentage of expenditure on cement?

Ans
✗ 1. 25%

✗ 2. 15%

✗ 3. 30%

✔ 4. 20%

Q.10 A man covers $\frac{5}{12}$ of a total journey by train, $\frac{7}{18}$ of the journey by bus and the remaining 7 km on foot. His total journey (in km) is:

Ans
✔ 1. 36 km

✗ 2. 35 km

✗ 3. 40 km

✗ 4. 32 km

Q.11 If $(x - 1.5)^3 + (x - 4)^3 + (x - 3.5)^3 = 3(x - 1.5)(x - 4)(x - 3.5)$, then what is the value of x?

Ans
✗ 1. 1
✗ 2. 9
✗ 3. 6
✓ 4. 3

Q.12 Study the graph which shows the target and actual production of ACs, (in thousands) of a factory over five months and answer the question that follows.

Target and Actual Production of AC's (in Thousands) of a factory over five months
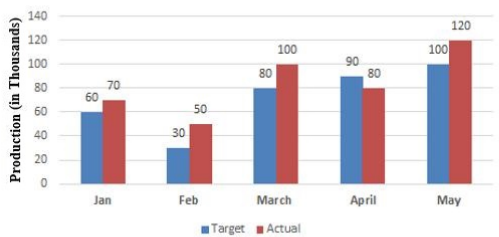
The total target production of ACs in February, March, April and May is what percent less than the total actual production of ACs over five months? (correct to one decimal place)

Ans
✓ 1. 28.6%
✗ 2. 26.8%
✗ 3. 27.9%
✗ 4. 29.7%

Q.13 The volume of a right circular cone is 462 cm^3. If its height is 12 cm, then the area of its base (in cm^2) is:

Ans
✗ 1. 98.5
✗ 2. 103.5
✗ 3. 124.5
✓ 4. 115.5

Q.14 If $a + b + c = 11$ and $ab + bc + ca = 15$, then what is the value of $a^3 + b^3 + c^3 - 3abc$?

Ans
- ✗ 1. 638
- ✗ 2. 386
- ✓ 3. 836
- ✗ 4. 368

Question ID : **6549787096**
Status : **Answered**
Chosen Option : **3**

Q.15 Working together A, B and C can complete a piece of work in 3 days. A completes the same work in 24 days and B completes it in 6 days. How many days will C alone take to complete the same work?

Ans
- ✗ 1. 6
- ✗ 2. 12
- ✓ 3. 8
- ✗ 4. 18

Question ID : **6549787081**
Status : **Answered**
Chosen Option : **3**

Q.16 If $3cos\theta = 2sin^2\theta, 0° < \theta < 90°$, then what is the value of $(tan^2\theta + sec^2\theta - cosec^2\theta)$?

Ans
- ✗ 1. $-\dfrac{7}{3}$
- ✗ 2. $\dfrac{7}{3}$
- ✓ 3. $\dfrac{17}{3}$
- ✗ 4. $-\dfrac{17}{3}$

Question ID : **6549786090**
Status : **Answered**
Chosen Option : **3**

Q.17 A sum lent at simple interest amounts to ₹6,240.80 in one year and to ₹7,563.20 in 4 years. The sum (in ₹) and the rate of interest per annum, respectively, are:

Ans
- ✗ 1. 5,800, 8.5%
- ✗ 2. 6,200, 8.5%
- ✗ 3. 6,200, 7.6%
- ✓ 4. 5,800, 7.6%

Question ID : **6549786079**
Status : **Answered**
Chosen Option : **4**

Q.18 Study the bar graph which shows the imports and exports (in ₹) of steel of a country during 2013 to 2017 and answer the question that follows.

Imports and Exports (in ₹ crores) of steel of a country during 2013 to 2017.
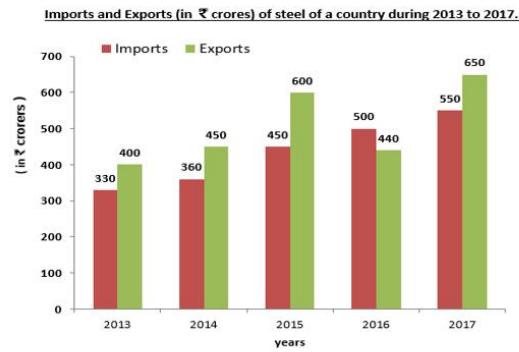
For how many year(s) were the imports less than 80% of the average exports (per year) of the country during the five years?

Ans

✗ 1. 1

✓ 2. 2

✗ 3. 3

✗ 4. 4

Q.19 What is the ratio of the mean proportional between 1.2 and 10.8 to the third proportional to 0.2 and 1.2?

Ans

✗ 1. $3:1$

✗ 2. $2:1$

✗ 3. $1:3$

✓ 4. $1:2$

Q.20 In $\Delta PQR, QT \perp PR$ and S is a point on QR such that $\angle PSQ = p°$. If $\angle TQR = 44°$ and $\angle SPR = 32°$, then the value of p is:

Ans

✓ 1. $78°$

✗ 2. $76°$

✗ 3. $82°$

✗ 4. $72°$

Q.21 If the 11-digit number $4y6884805x6$ is divisible by 72, and $x \neq y$, then the value of $\sqrt{xy}$ is:

Ans

✗ 1. $\sqrt{8}$

✔ 2. $\sqrt{6}$

✗ 3. $\sqrt{12}$

✗ 4. $\sqrt{5}$

Q.22 Two circles of radii 18 cm and 12 cm intersect each other and the length of their common chord is 16 cm. What is the distance (in cm) between their centres?

Ans

✗ 1. $2\sqrt{5}(4 - \sqrt{13})$

✗ 2. $2\sqrt{5}(4 + \sqrt{13})$

✗ 3. $2\sqrt{5}(-2 + \sqrt{13})$

✔ 4. $2\sqrt{5}(2 + \sqrt{13})$

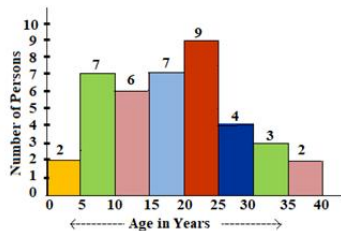**Q.23** Some families went on an outstation tour. The given histogram shows their ages.

What is the ratio of the number of persons of age less than 15 years to that of persons of age less than 30 years?

Ans

✗ 1. $11 : 19$

✔ 2. $3 : 7$

✗ 3. $15 : 31$

✗ 4. $15 : 38$

Q.24 When the price of an item was reduced by 20%, its sales increased by $x\%$. If there is an increase of 25% in the receipt of the revenue, then the value of x is :

Ans
  ✔ 1. 56.25%
  ✘ 2. 53.84%
  ✘ 3. 61.5%
  ✘ 4. 55.75%

Question ID : **6549786076**
Status : **Not Answered**
Chosen Option : **--**

Q.25 The value of $cot^2 46° - sec^2 44° + (sin^2 1° + sin^2 3° + sin^2 5° + \cdots + sin^2 89°)$ is:

Ans
  ✔ 1. 21.5
  ✘ 2. 23.5
  ✘ 3. 22.5
  ✘ 4. 20.5

Question ID : **6549787099**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 Who among the following won a bronze medal at the World Athletics Championship in Paris in 2003?

Ans
  ✘ 1. Seema Punia
  ✘ 2. Krishna Poonia
  ✘ 3. PT Usha
  ✔ 4. Anju Bobby George

Question ID : **6549786118**
Status : **Not Answered**
Chosen Option : **--**

Q.2 The _____ is a three or four letter abbreviation that signifies the file type.

Ans
  ✔ 1. extension
  ✘ 2. name
  ✘ 3. search
  ✘ 4. virus

Question ID : **6549786096**
Status : **Answered**
Chosen Option : **1**

Q.3 The total population per net cultivated area of a country refers to its _____.

Ans ✗ 1. livestock density

✗ 2. agricultural density

✗ 3. population density

✔ 4. physiological density

Question ID : **6549786111**

Status : **Answered**

Chosen Option : **3**

Q.4 Which of the following ports is used to connect a computer to a wired network?

Ans ✔ 1. Ethernet port

✗ 2. Universal serial bus port

✗ 3. Parallel port

✗ 4. Super-video port

Question ID : **6549787107**

Status : **Answered**

Chosen Option : **1**

Q.5 Which of the following crops is grown throughout the year in the southern states of India?

Ans ✗ 1. Finger millet

✔ 2. Rice

✗ 3. Maize

✗ 4. Sorghum

Question ID : **6549786110**

Status : **Not Answered**

Chosen Option : **--**

Q.6 Which of the following is a vector-borne disease?

Ans ✔ 1. Malaria

✗ 2. Pneumonia

✗ 3. Cholera

✗ 4. Mumps

Question ID : **6549786106**

Status : **Answered**

Chosen Option : **1**

Q.7 Who among the following travellers came to India from Uzbekistan in the 11th century?

Ans
✗ 1. Francois Bernier

✗ 2. Ibn Battuta

✔ 3. Al-Biruni

✗ 4. Abdur Razzaq Samarquandi

Question ID : **6549786113**
Status : **Answered**
Chosen Option : **3**

Q.8 In which of the following years did the Reserve Bank of India liberalise the licensing policy for Urban Co-operative Banks?

Ans
✗ 1. 1998

✗ 2. 1995

✗ 3. 2001

✔ 4. 1993

Question ID : **6549786103**
Status : **Answered**
Chosen Option : **1**

Q.9 As per Union Budget 2020, the Government of India intends to double the country's milk processing capacity by the year _____.

Ans
✗ 1. 2030

✗ 2. 2023

✗ 3. 2028

✔ 4. 2025

Question ID : **6549787114**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Where was the first hot air balloon wildlife safari launched in India in December 2020?

Ans
✗ 1. Pilibhit Tiger Reserve

✗ 2. Palamu Tiger Reserve

✗ 3. Ranthambore Tiger Reserve

✔ 4. Bandhavgarh Tiger Reserve

Question ID : **6549786100**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Which of the following states was NOT formed in the year 2000?

Ans ✗ 1. Uttarakhand

✗ 2. Chhattisgarh

✗ 3. Jharkhand

✔ 4. Telangana

Question ID : **6549787127**

Status : **Answered**

Chosen Option : **4**

Q.12 Who among the following rulers belonged to the Tuluva dynasty?

Ans ✗ 1. Simha Vishnu

✗ 2. Vishnuvardhana

✗ 3. Pushyamitra Sunga

✔ 4. Krishnadeva Raya

Question ID : **6549787122**

Status : **Not Answered**

Chosen Option : **--**

Q.13 An ambassador of which of the following countries was elected as the President of the United Nations Human Rights Council in January 2021?

Ans ✗ 1. Ghana

✗ 2. Libya

✗ 3. Cuba

✔ 4. Fiji

Question ID : **6549787112**

Status : **Not Answered**

Chosen Option : **--**

Q.14 Which of the following states launched India's and South-Asia's first blockchain-enabled rooftop solar trading platform in December 2020?

Ans ✗ 1. Rajasthan

✔ 2. Uttar Pradesh

✗ 3. Gujarat

✗ 4. Madhya Pradesh

Question ID : **6549786101**

Status : **Not Answered**

Chosen Option : **--**

Q.15 Who among the following cricketers won the Sir Garfield Sobers Award for 'ICC Male Cricketer of the Decade' in December 2020?

Ans ✔ 1. Virat Kohli

✘ 2. Mahendra Singh Dhoni

✘ 3. Steve Smith

✘ 4. Rashid Khan

Question ID : **6549786120**

Status : **Answered**

Chosen Option : **1**

Q.16 In December 2020, the Chief Minister of _____ announced that India's biggest hockey stadium is being set up in the state.

Ans ✔ 1. Odisha

✘ 2. West Bengal

✘ 3. Andhra Pradesh

✘ 4. Telangana

Question ID : **6549787129**

Status : **Answered**

Chosen Option : **1**

Q.17 In which of the following states is the Shatrunjaya Hills located?

Ans ✘ 1. Karnataka

✘ 2. Andhra Pradesh

✘ 3. Madhya Pradesh

✔ 4. Gujarat

Question ID : **6549787119**

Status : **Not Answered**

Chosen Option : **--**

Q.18 Which of the following soils is found in areas of heavy rainfall and high humidity?

Ans ✔ 1. Peaty soil

✘ 2. Saline soil

✘ 3. Yellow soil

✘ 4. Red soil

Question ID : **6549787118**

Status : **Answered**

Chosen Option : **1**

Q.19 Which of the following quantities is measured using a torsion balance?

Ans ✗ 1. Pressure

✓ 2. Force

✗ 3. Charge

✗ 4. Magnetism

Question ID : **6549787115**

Status : **Not Answered**

Chosen Option : **--**

Q.20 Who among the following were awarded the Nobel Prize in Chemistry 2020 for their exemplary work in genome editing?

Ans ✓ 1. Jennifer A Doudna and Emmanuelle Charpentier

✗ 2. James P Allison and Tasuku Honjo

✗ 3. Gerard Mourou and Donna Strickland

✗ 4. George P Smith and Sir Gregory P Winter

Question ID : **6549786115**

Status : **Answered**

Chosen Option : **2**

Q.21 Which of the following cells is NOT used in watches?

Ans ✗ 1. Silver oxide cell

✗ 2. Zinc air cell

✗ 3. Mercury cell

✓ 4. Lead acid cell

Question ID : **6549787117**

Status : **Not Answered**

Chosen Option : **--**

Q.22 Who is the Governor of the state of Chhattisgarh as of May 2020?

Ans ✗ 1. Bhupesh Baghel

✗ 2. Ramesh Bais

✓ 3. Anusuiya Uikey

✗ 4. Phagu Chauhan

Question ID : **6549786116**

Status : **Answered**

Chosen Option : **2**

Q.23 Which of the following songs do the peasants of Rajasthan sing while working in fields?

Ans ✗ 1. Chhakri

✔ 2. Pankhida

✗ 3. Barhamasa

✗ 4. Pandavani

Question ID : **6549787109**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Where is the Rumi Darwaza located?

Ans ✗ 1. Agra

✗ 2. Gwalior

✗ 3. Bhopal

✔ 4. Lucknow

Question ID : **6549786098**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Which of the following books did the famous cricketer Sunil Gavaskar author?

Ans ✗ 1. Democracy's XI: The Great Indian Cricket Story

✗ 2. Captain Cool

✗ 3. Playing It My Way

✔ 4. Runs 'n Ruins

Question ID : **6549787124**
Status : **Answered**
Chosen Option : **3**