

Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	
Exam Date	09/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Higher Secondary Level Exam 2020

Section : English Language

Q.1 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. That is why they are considered the best indoor plants to keep at homes and offices.
- B. The indoor bonsai plants enhance the aesthetic appeal of the space and offer multiple health and psychological benefits.
- C. Bonsai is an important part of Japanese culture dating back to the 14th century.
- D. It is the art of cultivating small trees within a container that take the shape and scale of full-size trees.

- Ans
-  1. ABCD
 -  2. DCBA
 -  3. CDBA
 -  4. CBAD

Question ID : 6549787141

Status : Answered

Chosen Option : 3

Q.2 Select the option that expresses the given sentence in direct speech.

The plumber told Ranjit that he had fixed the leaking tap.

- Ans
-  1. The plumber told to Ranjit, "He had fixed the leaking tap."
 -  2. The plumber told Ranjit, "Had he fixed the leaking tap?"
 -  3. The plumber said to Ranjit, "You had fix the leaking tap."
 -  4. The plumber said to Ranjit, "I have fixed the leaking tap."

Question ID : 6549787132

Status : Answered

Chosen Option : 3

Q.3 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'.

A heavy fine will be inflicted with them if they do not pay the taxes in time.

- Ans
- ☒ 1. will be inflicted for them
 - ☒ 2. will be inflicted of them
 - ☒ 3. No substitution required
 - ☒ 4. will be inflicted on them

Question ID : 6549787144

Status : Answered

Chosen Option : 4

Q.4 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.

She managed the company / so well that it is made / a huge profit that year.

- Ans
- ☒ 1. a huge profit that year
 - ☒ 2. so well that it is made
 - ☒ 3. She managed the company
 - ☒ 4. No error

Question ID : 6549787133

Status : Answered

Chosen Option : 2

Q.5 Select the correct passive form of the given sentence.

How much will they pay you?

- Ans
- ☒ 1. How much will they be paying?
 - ☒ 2. How much will you be paid by them?
 - ☒ 3. Payment will be done by them?
 - ☒ 4. They will have paid you how much?

Question ID : 6549789151

Status : Answered

Chosen Option : 2

Q.6 Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'

According to J Krishnamurti, education is not about having a career but about being able to look, observation and listen.

- Ans
- ☒ 1. observer
 - ☒ 2. observant
 - ☒ 3. observe
 - ☒ 4. No improvement

Question ID : 6549789163

Status : Answered

Chosen Option : 3

Q.7 Select the most appropriate meaning of the given idiom.

Poke one's nose

- Ans
- ☒ 1. Not be careful about one's health
 - ☒ 2. Interfere or meddle
 - ☒ 3. Do unhygienic things
 - ☒ 4. Tease or irritate

Question ID : **6549787147**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the **INCORRECTLY** spelt word.

- Ans
- ☒ 1. Multinational
 - ☒ 2. Business
 - ☒ 3. Conglomerate
 - ☒ 4. Corporation

Question ID : **6549787150**
Status : **Answered**
Chosen Option : **3**

Q.9 Select the most appropriate word to fill in the blank.

The kite was stuck so high on the tree that it was _____ the reach of the boys.

- Ans
- ☒ 1. below
 - ☒ 2. beneath
 - ☒ 3. beside
 - ☒ 4. beyond

Question ID : **6549787155**
Status : **Answered**
Chosen Option : **4**

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

Allege

- Ans
- ☒ 1. Soothe
 - ☒ 2. Placate
 - ☒ 3. Charge
 - ☒ 4. Appease

Question ID : **6549787153**
Status : **Answered**
Chosen Option : **3**

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

Drab

- Ans
- ☒ 1. Tiring
 - ☒ 2. Dry
 - ☒ 3. Boring
 - ☒ 4. Bright

Question ID : 6549787145
Status : Answered
Chosen Option : 4

Q.12 Select the most appropriate synonym of the given word.

CLEAN

- Ans
- ☒ 1. shy
 - ☒ 2. honest
 - ☒ 3. talkative
 - ☒ 4. tall

Question ID : 6549789174
Status : Answered
Chosen Option : 2

Q.13 The following sentence has been split into four segments. Identify the segment which contains a grammatical error.

He will be leaving / home at 8 a.m. / to beating / the office rush hour.

- Ans
- ☒ 1. home at 8 a.m.
 - ☒ 2. the office rush hour
 - ☒ 3. to beating
 - ☒ 4. He will be leaving

Question ID : 6549789154
Status : Answered
Chosen Option : 3

Q.14 Select the option that can be used as a one-word substitute for the given group of words.

The nest of a squirrel, typically in the form of a mass of twigs in a tree

- Ans
- ☒ 1. Hole
 - ☒ 2. Burrow
 - ☒ 3. Lair
 - ☒ 4. Drey

Question ID : 6549787152
Status : Answered
Chosen Option : 2

Q.15 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. spurious
 - ☒ 2. conscentious
 - ☒ 3. defamation
 - ☒ 4. condemnation

Question ID : 6549789169
Status : Answered
Chosen Option : 4

Q.16 Select the most appropriate meaning of the given idiom.

A fire in someone's belly

- Ans
- ☒ 1. one who is energetic and enthusiastic about something
 - ☒ 2. one who is rich and powerful and exploits the poor
 - ☒ 3. one who comes from a middle class background
 - ☒ 4. one who continues to work without wanting a reward

Question ID : 6549789168
Status : Answered
Chosen Option : 1

Q.17 Select the most appropriate ANTONYM of the given word.

DISJOINTED

- Ans
- ☒ 1. abrupt
 - ☒ 2. soft
 - ☒ 3. connected
 - ☒ 4. sharp

Question ID : 6549789166
Status : Answered
Chosen Option : 3

Q.18 Select the most appropriate word to fill in the blank.

A good teacher is the one who can explain the most complex subjects in a _____ way.

- Ans
- ☒ 1. lengthy
 - ☒ 2. straightforward
 - ☒ 3. distracted
 - ☒ 4. roundabout

Question ID : 6549789176
Status : Answered
Chosen Option : 2

Q.19 Examine the four jumbled sentences. Out of the given options, pick the one that gives their correct order.

- A. They can travel to the airport by personal vehicle or registered cabs only.
- B. Finally, all passengers are advised to strictly follow social distancing markers.
- C. According to the Government guidelines, air travel is declared open from May 2020 for passengers.
- D. Once there, they can walk in through the Entry Gates, which shall be kept open.

- Ans
- ☒ 1. ACBD
 - ☒ 2. DCAB
 - ☒ 3. CADB
 - ☒ 4. BCAD

Question ID : 6549789162
Status : Answered
Chosen Option : 3

Q.20 Select the word which means the same as the group of words given.

A sentimental longing for a time in the past

- Ans
- ☒ 1. sepia
 - ☒ 2. myopia
 - ☒ 3. nostalgia
 - ☒ 4. dystopia

Question ID : 6549789171
Status : Not Answered
Chosen Option : --

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.

According to Harari, a leading thinker, we are all busy (1) _____ a fantasy self online. It is the age of Facebook and Instagram, wherein (2) _____ are busy creating perfect stories about ourselves. For example, pictures (3) _____ perfect holidays never show the stress of traffic snarls and a host of (4) _____ problems faced. We soon begin to believe in this perfect online self to be (5) _____ real one.

SubQuestion No : 21

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

- Ans
- ☒ 1. creation
 - ☒ 2. creating
 - ☒ 3. creates
 - ☒ 4. creative

Question ID : 6549789156
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.

According to Harari, a leading thinker, we are all busy (1) _____ a fantasy self online. It is the age of Facebook and Instagram, wherein (2) _____ are busy creating perfect stories about ourselves. For example, pictures (3) _____ perfect holidays never show the stress of traffic snarls and a host of (4) _____ problems faced. We soon begin to believe in this perfect online self to be (5) _____ real one.

SubQuestion No : 22

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

Ans

 1. us

 2. ours

 3. each

 4. we

Question ID : 6549789157

Status : Answered

Chosen Option : 4

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.

According to Harari, a leading thinker, we are all busy (1) _____ a fantasy self online. It is the age of Facebook and Instagram, wherein (2) _____ are busy creating perfect stories about ourselves. For example, pictures (3) _____ perfect holidays never show the stress of traffic snarls and a host of (4) _____ problems faced. We soon begin to believe in this perfect online self to be (5) _____ real one.

SubQuestion No : 23

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

Ans

 1. on

 2. from

 3. of

 4. In

Question ID : 6549789158

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.

According to Harari, a leading thinker, we are all busy (1) _____ a fantasy self online. It is the age of Facebook and Instagram, wherein (2) _____ are busy creating perfect stories about ourselves. For example, pictures (3) _____ perfect holidays never show the stress of traffic snarls and a host of (4) _____ problems faced. We soon begin to believe in this perfect online self to be (5) _____ real one.

SubQuestion No : 24

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

Ans



1. other



2. another



3. few



4. same

Question ID : 6549789159

Status : **Not Answered**

Chosen Option : --

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.

According to Harari, a leading thinker, we are all busy (1) _____ a fantasy self online. It is the age of Facebook and Instagram, wherein (2) _____ are busy creating perfect stories about ourselves. For example, pictures (3) _____ perfect holidays never show the stress of traffic snarls and a host of (4) _____ problems faced. We soon begin to believe in this perfect online self to be (5) _____ real one.

SubQuestion No : 25

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

Ans



1. a



2. an



3. one



4. the

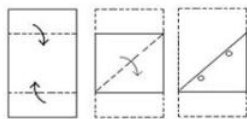
Question ID : 6549789160

Status : **Answered**

Chosen Option : 4

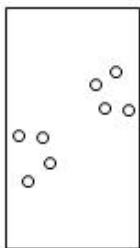
Section : **General Intelligence**

Q.1 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.



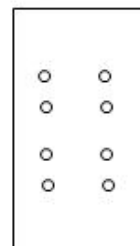
✗ 2.



✗ 3.



✗ 4.



Question ID : 6549789199

Status : Answered

Chosen Option : 1

Q.2 'Craniology' is related to 'Skull' and 'Oology' is related to 'Eggs' in the same way as 'Pedology' is related to ____.

Ans

✗ 1. Fossils

✗ 2. Artifacts

✓ 3. Soil

✗ 4. Shells

Question ID : 6549789188

Status : Not Answered

Chosen Option : --

Q.3 Select the Venn diagram that best represents the relationship between the following classes.

Kings, Queens, Mothers

Ans

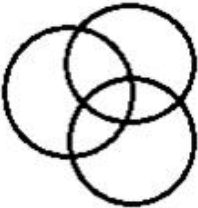
✗ 1.



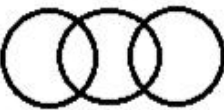
✓ 2.



✗ 3.



✗ 4.



Question ID : 6549787181

Status : Answered

Chosen Option : 2

Q.4 उस विकल्प का चयन कीजिए जिसके शब्दों के मध्य वही संबंध है, जो दिए गए शब्द-युग्म के शब्दों के मध्य है।

मुर्गा : मुर्गी

Ans

✓ 1. घोड़ा : घोड़ी

✗ 2. मालिक : मकान मालिक

✗ 3. मेंढक : टैंडपोल

✗ 4. बिल्ली : बिल्ली का बच्चा

Question ID : 6549787171

Status : Answered

Chosen Option : 1

Q.5 If 31 August 2008 was Sunday, then what was the day of the week on 30 August 2012?

Ans

✗ 1. Monday

✓ 2. Thursday

✗ 3. Tuesday

✗ 4. Wednesday

Question ID : 6549787157

Status : Not Answered

Chosen Option : --

Q.6 M is the only son of R. P is the sister of Q. X is the father of C, who is the wife of R. Q is the daughter of X's only daughter. How is M related to X?

- Ans
- ☒ 1. Son
 - ☒ 2. Nephew
 - ☒ 3. Grandson
 - ☒ 4. Brother

Question ID : 6549788382

Status : Answered

Chosen Option : 3

Q.7 Select the option in which the numbers are related in the same way as are the numbers of the following set.

{6, 15, 27}

- Ans
- ☒ 1. {12, 32, 54}
 - ☒ 2. {8, 24, 34}
 - ☒ 3. {4, 10, 18}
 - ☒ 4. {14, 38, 57}

Question ID : 6549789180

Status : Answered

Chosen Option : 3

Q.8 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd one.

- Ans
- ☒ 1. LPTA
 - ☒ 2. CGLR
 - ☒ 3. QUZF
 - ☒ 4. NRWC

Question ID : 6549787172

Status : Answered

Chosen Option : 1

Q.9 Select the number from among the given options that can replace the question mark (?) in the following series.

7, 9, 14, 24, ?, 67

- Ans
- ☒ 1. 45
 - ☒ 2. 37
 - ☒ 3. 41
 - ☒ 4. 43

Question ID : 6549789182

Status : Answered

Chosen Option : 3

Q.10 In a certain code language, CHECK is written as 6165622 and SURGE is written as 392136145. How will PRIEST be written as in that language?

- Ans  1. 3436953640
 2. 3236953840
 3. 3236185384
 4. 1618953840

Question ID : 6549787166

Status : Answered

Chosen Option : 2

Q.11 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.

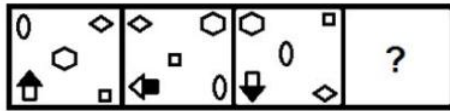
- Ans  1. 9 : 90
 2. 8 : 66
 3. 7 : 56
 4. 5 : 30

Question ID : 6549787163

Status : Answered

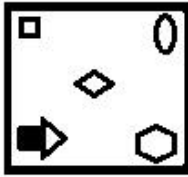
Chosen Option : 2

Q.12 Select the figure from among the given options that can replace the question mark (?) in the following series.

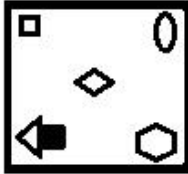


Ans

✓ 1.



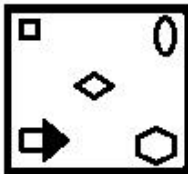
✗ 2.



✗ 3.



✗ 4.



Question ID : 6549787176

Status : Answered

Chosen Option : 1

Q.13 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Pleasant
2. Placard
3. Plentiful
4. Pleased
5. Plight

Ans

✗ 1. 4, 1, 2, 3, 5

✗ 2. 2, 1, 4, 5, 3

✗ 3. 1, 2, 4, 3, 5

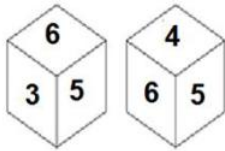
✓ 4. 2, 1, 4, 3, 5

Question ID : 6549787164

Status : Answered

Chosen Option : 4

Q.14 Two different positions of the same dice are shown. Select the number that will be on the face opposite to the one having 4.



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

Question ID : 6549787175
Status : Answered
Chosen Option : 2

Q.15 Which two signs should be interchanged to make the following equation correct?

$$10 - 15 \times 9 \div 6 + 8 = 8$$

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

Question ID : 6549789178
Status : Answered
Chosen Option : 4

Q.16 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:

Some teachers are graduates.
Some graduates are females.
All females are women.

Conclusions:

- I. Some females are teachers.
- II. Some women are teachers.
- III. All women are females.

- Ans
- ☒ 1. Only conclusion I follows.
 - ☒ 2. Only conclusion II follows.
 - ☒ 3. None of the conclusions follow.
 - ☒ 4. Only conclusions II and III follow.

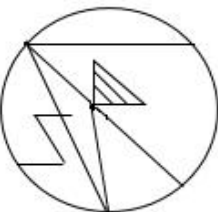
Question ID : 6549789194
Status : Answered
Chosen Option : 3

Q.17 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.



Ans

✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 6549789200

Status : Answered

Chosen Option : 3

Q.18 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

a c _ d a _ d d a _ _ d a c _ d

Ans

✓ 1. d c c d d

✗ 2. a c d c a

✗ 3. d a c c d

✗ 4. c c d a d

Question ID : 6549786361

Status : Answered

Chosen Option : 1

Q.19 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

DGKP : BJGU :: HKOT : ?

- Ans  1. GJNS
 2. FNKY
 3. JIRP
 4. FMKW

Question ID : 6549789187
Status : Answered
Chosen Option : 2

Q.20 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. Potato
 2. Cucumber
 3. Pumpkin
 4. Bean

Question ID : 6549789193
Status : Answered
Chosen Option : 2

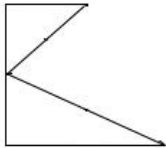
Q.21 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(11, 5, 246)

- Ans  1. (14, 6, 412)
 2. (12, 9, 224)
 3. (10, 7, 355)
 4. (16, 9, 331)

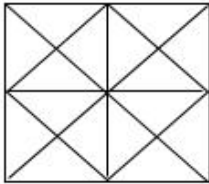
Question ID : 6549787161
Status : Answered
Chosen Option : 1

Q.22 Select the option in which the given figure is embedded (rotation is NOT allowed).

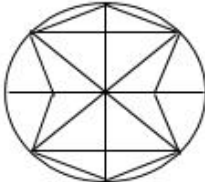


Ans

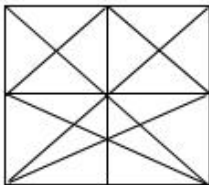
✗ 1.



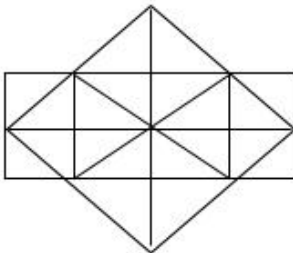
✗ 2.



✓ 3.



✗ 4.



Question ID : 6549789198

Status : Answered

Chosen Option : 3

Q.23 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

12 : 146 :: ? : 443 :: 16 : 258

Ans

✗ 1. 23

✗ 2. 19

✓ 3. 21

✗ 4. 20

Question ID : 6549787159

Status : Answered

Chosen Option : 3

Q.24 In a certain code language, HIGHER is written as JIIHSF. How will CODING be written in that language?

- Ans
- ✓ 1. PDJEHO
 - ✗ 2. OHJEPD
 - ✗ 3. FOHEND
 - ✗ 4. PDEJOK

Question ID : 6549789185

Status : Not Answered

Chosen Option : --

Q.25 How many triangles are there in the given figure?



- Ans
- ✗ 1. 16
 - ✓ 2. 17
 - ✗ 3. 18
 - ✗ 4. 15

Question ID : 6549787177

Status : Answered

Chosen Option : 2

Section : Quantitative Aptitude

Q.1 Suresh purchased a computer table for ₹9,000 and a centre table for ₹4,000. He sold the computer table with 8% profit. With what profit percentage should he sell the centre table so as to gain 10% on the whole transaction?

- Ans
- ✗ 1. 15
 - ✗ 2. 12
 - ✗ 3. 14
 - ✓ 4. 14.5

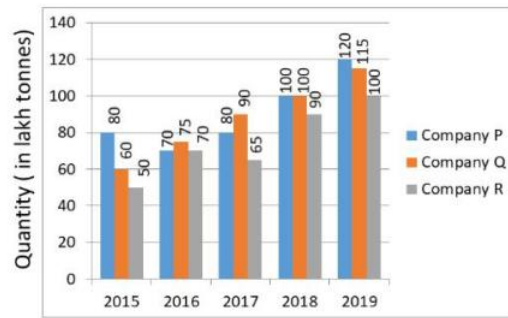
Question ID : 6549789208

Status : Answered

Chosen Option : 4

Q.2 Study the given bar graph and answer the question that follows.

The bar graph indicates the production of sugar (in lakh tonnes) by three different sugar companies P, Q and R over the years 2015 to 2019.



The percentage rise in the production of sugar by company Q as compared to the previous year is the maximum in the year:

- Ans
- ☒ 1. 2017
 - ☒ 2. 2019
 - ☒ 3. 2016
 - ☒ 4. 2018

Question ID : 6549787206

Status : Answered

Chosen Option : 3

Q.3 The simple interest on a certain sum of money for 5 years at the rate of 10% per annum is half the compound interest on ₹5,000 for 2 years at the rate of 10% per annum, interest compounded yearly. The sum placed on simple interest is:

- Ans
- ☒ 1. ₹1,450
 - ☒ 2. ₹1,050
 - ☒ 3. ₹1,500
 - ☒ 4. ₹1,540

Question ID : 6549787190

Status : Answered

Chosen Option : 2

Q.4 If the number 645A2879B8 is divisible by both 8 and 9, then the smallest possible values of A and B will be:

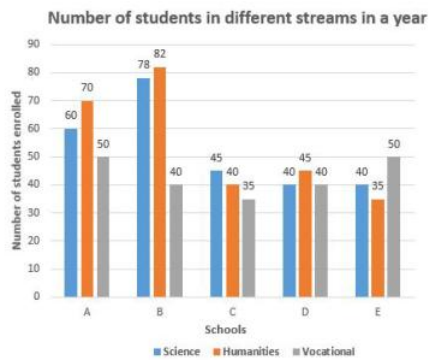
- Ans
- ☒ 1. A = 3, B = 4
 - ☒ 2. A = 4, B = 3
 - ☒ 3. A = 2, B = 3
 - ☒ 4. A = 3, B = 2

Question ID : 6549787198

Status : Answered

Chosen Option : 4

Q.5 The number of students enrolled in different streams at Senior Secondary level in five schools is shown in the bar graph.



In which school is the number of students the least?

- Ans** ☒ 1. C
☒ 2. E
☒ 3. D
☒ 4. A

Question ID : 6549789223

Status : Answered

Chosen Option : 1

Q.6 If $(40\sqrt{5}x^3 - 2\sqrt{2}y^3) \div (2\sqrt{5}x - \sqrt{2}y) = Ax^2 + By^2 - Cxy$, then find the value of $A + 3B - \sqrt{10}C$.

- Ans** ☒ 1. 34
☒ 2. 46
☒ 3. 6
☒ 4. 28

Question ID : 6549789217

Status : Answered

Chosen Option : 2

Q.7 A shopkeeper offers successive discounts of 35%, 10% and 6% on every item. At what price (nearest to a rupee) customers can get an item marked for ₹1,000?

- Ans** ☒ 1. ₹562
☒ 2. ₹550
☒ 3. ₹450
☒ 4. ₹645

Question ID : 6549789206

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 If $x^4 + \frac{1}{x^4} = 1154$, $x > 0$, then what will be the value of $x + \frac{1}{x}$?

- Ans
-  1. $\sqrt{34}$
 -  2. 18
 -  3. $\sqrt{32}$
 -  4. 6

Question ID : 6549789216

Status : Answered

Chosen Option : 4

Q.9 If $\frac{\operatorname{cosec}^2 \theta}{\operatorname{cosec}^2 \theta - \cot^2 \theta} = \frac{13}{4}$, $0^\circ < \theta < 90^\circ$, then the value of $\frac{52 \cos^2 \theta - 9 \tan^2 \theta}{18 \sec^2 \theta + 8 \cot^2 \theta}$ will be:

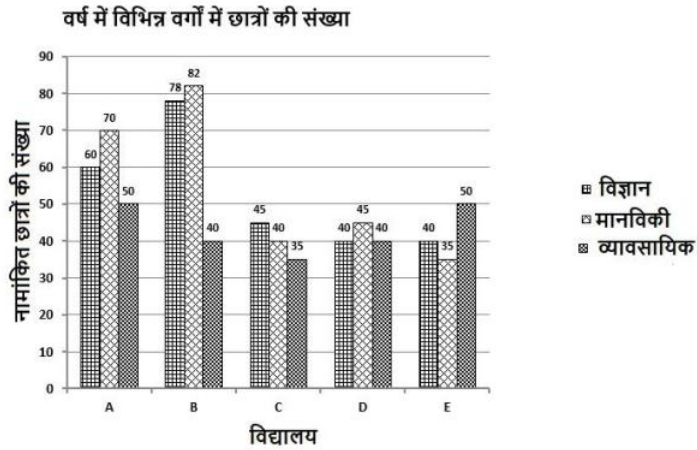
- Ans
-  1. $\frac{4}{11}$
 -  2. $\frac{8}{11}$
 -  3. $\frac{8}{13}$
 -  4. $\frac{5}{11}$

Question ID : 6549787201

Status : Answered

Chosen Option : 2

Q.10 पांच स्कूलों में उच्चतर माध्यमिक स्तर की विभिन्न शाखाओं में नामांकित छात्रों की संख्या को दंड आलेख (bar graph) में दर्शाया गया है।



स्कूल A में विज्ञान शाखा में नामांकित छात्रों की संख्या, सभी पांच स्कूलों में सभी शाखाओं में छात्रों की कुल संख्या का कितना प्रतिशत है?

- Ans
- ☒ 1. 8.57
 - ☒ 2. 8
 - ☒ 3. 7.5
 - ☒ 4. 6

Question ID : 6549789527

Status : Answered

Chosen Option : 2

Q.11 Simplify the following expression.

$$\frac{52 + 1170 \div 26 + 13 \times 2}{2 + 1\frac{1}{8} \text{ of } 2 - 1\frac{1}{4}}$$

- Ans
- ☒ 1. $61\frac{1}{2}$
 - ☒ 2. $24\frac{5}{6}$
 - ☒ 3. $37\frac{1}{3}$
 - ☒ 4. 41

Question ID : 6549789219

Status : Answered

Chosen Option : 4

Q.12 If $5 \cos \theta = 4 \sin \theta$, $0^\circ \leq \theta \leq 90^\circ$, then what will be the value of $\sec \theta$?

Ans

 1. $\frac{\sqrt{41}}{5}$

 2. $\frac{3}{5}$

 3. $\frac{\sqrt{41}}{16}$

 4. $\frac{\sqrt{41}}{4}$

Question ID : 6549789222

Status : Answered

Chosen Option : 4

Q.13 If $x + y = 27$ and $x^2 + y^2 = 425$, then the value of $(x - y)^2$ will be:

Ans

 1. 225

 2. 169

 3. 121

 4. 144

Question ID : 6549787195

Status : Answered

Chosen Option : 3

Q.14 AB is the diameter of a circle of radius 9 cm. PQ is a chord (not a diameter) that intersects AB at M perpendicularly. If $AM : BM = 5 : 4$, then the length of chord PQ will be:

Ans

 1. $5\sqrt{5}$ cm

 2. $6\sqrt{5}$ cm

 3. $6\sqrt{3}$ cm

 4. $8\sqrt{5}$ cm

Question ID : 6549787191

Status : Not Answered

Chosen Option : --

Q.15 The speed of a car is 40% more than that of a bus. A train covers 1020 km in $8\frac{1}{2}$ hours. How much distance will the car cover in $1\frac{3}{4}$ hours if the speed of the bus is half the speed of the train?

- Ans
- ☒ 1. 164 km
 - ☒ 2. 145 km
 - ☒ 3. 147 km
 - ☒ 4. 174 km

Question ID : 6549787183
Status : Answered
Chosen Option : 3

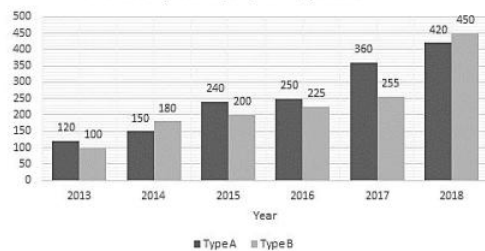
Q.16 In a right-angled triangle ABC right angled at C, $\sin A = \sin B$. What is the value of $\cos A$?

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

Question ID : 6549789220
Status : Answered
Chosen Option : 3

Q.17 Study the given graph and answer the question that follows.

Production (in thousands) of two types of Vehicles A and B by a company during 2013 to 2018



By what percentage (approximately) is the average number of vehicles of type B produced in 2014, 2016 and 2018 less than the number of vehicles of type A produced in 2017?

- Ans
- ☒ 1. 21.4
 - ☒ 2. 18.6
 - ☒ 3. 20.8
 - ☒ 4. 23.6

Question ID : 6549786699
Status : Answered
Chosen Option : 1

Q.18 If two numbers are in the ratio 4 : 7 and the sum of their cubes is 407000, then the greater number will be:

- Ans ☒ 1. 70
☒ 2. 63
☒ 3. 84
☒ 4. 77

Question ID : 6549787189

Status : Answered

Chosen Option : 1

Q.19 The average pass percentage of girls in class X examination in a school is 85% and that of boys is 83%. The average pass percentage of all boys and girls in class X of that school is 83.7%. Find the percentage of the number of girls in class X of that school.

- Ans ☒ 1. 35%
☒ 2. 30%
☒ 3. 45%
☒ 4. 40%

Question ID : 6549787185

Status : Answered

Chosen Option : 1

Q.20 AB is 12 cm long chord of a circle with centre O and radius 10 cm. The tangents at A and B intersect at P. What is the length of OP?

- Ans ☒ 1. 12.5 cm
☒ 2. 12 cm
☒ 3. 10 cm
☒ 4. $2\sqrt{61}$ cm

Question ID : 6549789212

Status : Not Answered

Chosen Option : --

Q.21 A square park has been divided into two rectangles of equal area. If the perimeter of each of these rectangles is 39 m, then what will be the perimeter of the square park?

- Ans ☒ 1. 104 m
☒ 2. 39 m
☒ 3. 78 m
☒ 4. 52 m

Question ID : 6549789204

Status : Not Answered

Chosen Option : --

Q.22 If the perimeter of an isosceles right triangle is $15(\sqrt{2} + 1)$ cm, then the area of the triangle will be:

- Ans
- ☐ 1. 46.5 cm^2
 - ☐ 2. 45 cm^2
 - ☒ 3. 56.25 cm^2
 - ☐ 4. 55 cm^2

Question ID : 6549787193

Status : Not Answered

Chosen Option : --

Q.23 A circle is inscribed in a right-angled triangle. The lengths of the two sides containing the right angle are 15 cm and 8 cm. What is the radius of the in-circle?

- Ans
- ☐ 1. 4.5 cm
 - ☒ 2. 3 cm
 - ☐ 3. 3.75 cm
 - ☐ 4. 4 cm

Question ID : 6549789214

Status : Not Answered

Chosen Option : --

Q.24 A can complete a task in 6 days, while B can complete the same task in 12 days. How many days will they take to complete the same task if they work together?

- Ans
- ☐ 1. 5
 - ☒ 2. 4
 - ☐ 3. $4\frac{1}{2}$
 - ☐ 4. 3

Question ID : 6549789202

Status : Answered

Chosen Option : 2

Q.25 Ramesh saves $26\frac{2}{3}\%$ of his monthly salary. When his expenses are increased by 20%, he is able to save ₹4,080 per month. His monthly salary is:

- Ans
- ☐ 1. ₹35,000
 - ☐ 2. ₹38,000
 - ☒ 3. ₹34,000
 - ☐ 4. ₹30,000

Question ID : 6549787187

Status : Answered

Chosen Option : 3

Q.1 Which of the following teams has won the Indian Premier League (IPL) trophy five times as of November 2020?

- Ans
- ☒ 1. Rajasthan Royals
 - ☒ 2. Sunrisers Hyderabad
 - ☒ 3. Chennai Super Kings
 - ☒ 4. Mumbai Indians

Question ID : 6549787229
Status : Answered
Chosen Option : 4

Q.2 Second generation computers (1955-1964) were made of:

- Ans
- ☒ 1. large scale integrated circuit chips
 - ☒ 2. vacuum tubes
 - ☒ 3. transistors
 - ☒ 4. small scale integrated circuit chips

Question ID : 6549787207
Status : Not Answered
Chosen Option : --

Q.3 Which of the following Articles of the Constitution of India details 'Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth'?

- Ans
- ☒ 1. Article 22
 - ☒ 2. Article 27
 - ☒ 3. Article 15
 - ☒ 4. Article 10

Question ID : 6549789248
Status : Answered
Chosen Option : 1

Q.4 Where were the terracotta models of the plough excavated in Harappan civilisation?

- Ans
- ☒ 1. Banawali
 - ☒ 2. Kashmir
 - ☒ 3. Amrinal
 - ☒ 4. Lothal

Question ID : 6549787224
Status : Answered
Chosen Option : 1

Q.5 Who among the following started the construction of the Qutub Minar?

- Ans
- ☐ 1. Akbar
 - ☐ 2. Jahangir
 - ☐ 3. Iltutmish
 - ☒ 4. Qutb al-Din Aibak

Question ID : **6549787209**
Status : **Answered**
Chosen Option : **4**

Q.6 Which of the following institutions conducts the survey on employment and unemployment?

- Ans
- ☐ 1. NITI Aayog
 - ☐ 2. National Institution of Economic and Social Research
 - ☐ 3. National Council of Applied Economic Research
 - ☒ 4. National Sample Survey Organisation

Question ID : **6549787214**
Status : **Not Answered**
Chosen Option : --

Q.7 In which year did Akbar analyse the state revenue statistics for the last 10 years, which contained information on price fluctuations and land productivity?

- Ans
- ☐ 1. 1569
 - ☐ 2. 1548
 - ☒ 3. 1580
 - ☐ 4. 1536

Question ID : **6549789243**
Status : **Not Answered**
Chosen Option : --

Q.8 Which of the following provisions and the constitutions of different countries from which they have been adopted in the Constitution of India has been INCORRECTLY paired?

- Ans
- ☐ 1. The idea of the rule of law - British Constitution
 - ☐ 2. Charter of Fundamental rights - United States Constitution
 - ☐ 3. Directive Principles of State Policy - Irish Constitution
 - ☒ 4. Principles of Liberty, Equality and Fraternity - Canadian Constitution

Question ID : **6549787227**
Status : **Answered**
Chosen Option : **4**

Q.9 Purna, Manjira and Pranhita are tributaries of:

- Ans ☒ 1. Godavari
☐ 2. Indus
☐ 3. Yamuna
☐ 4. Chambal

Question ID : 6549787222
Status : Not Answered
Chosen Option : --

Q.10 With which bank did Indian Army sign an MoU for serving retired personnel in December 2020?

- Ans ☐ 1. State Bank of India
☐ 2. Union Bank
☐ 3. HDFC Bank
☒ 4. Bank of Baroda

Question ID : 6549787211
Status : Not Answered
Chosen Option : --

Q.11 Which of the following valleys is NOT located in Himachal Pradesh?

- Ans ☒ 1. Silent Valley
☐ 2. Malana Valley
☐ 3. Markha Valley
☐ 4. Chumbi Valley

Question ID : 6549787221
Status : Answered
Chosen Option : 1

Q.12 When an economy is facing inflation, what will the central bank of the country do?

- Ans ☐ 1. Reduce the cost of money by reducing rates
☒ 2. Raise the cost of money by raising rates
☐ 3. Set up more ATMs to help the public
☐ 4. Print more notes

Question ID : 6549789235
Status : Not Answered
Chosen Option : --

Q.13 Which everyday morning ritual is part of quantum mechanics?

- Ans
- ☒ 1. Brushing teeth
 - ☒ 2. Making tea
 - ☒ 3. Ringing of an alarm clock
 - ☒ 4. Reading newspaper

Question ID : 6549789236

Status : Not Answered

Chosen Option : --

Q.14 Which of the following is a dance form of West Bengal where there is a confluence of dancing, singing, drama and recital?

- Ans
- ☒ 1. Bhavai
 - ☒ 2. Alkap
 - ☒ 3. Tippani
 - ☒ 4. Hudo

Question ID : 6549789230

Status : Not Answered

Chosen Option : --

Q.15 Which of the following is a capacity-building scheme that was launched in 2020 for civil servants aimed at upgrading the post-recruitment training mechanism of the officers and employees at all levels?

- Ans
- ☒ 1. Mission Karmayogi
 - ☒ 2. Mission Sahayog
 - ☒ 3. Mission Swabhiman
 - ☒ 4. Mission Rakshak

Question ID : 6549789233

Status : Not Answered

Chosen Option : --

Q.16 Who was awarded the Nobel Prize in Literature 2020?

- Ans
- ☒ 1. Reinhard Genzel
 - ☒ 2. Roger Penrose
 - ☒ 3. Andrea M Ghez
 - ☒ 4. Louise Glück

Question ID : 6549787226

Status : Not Answered

Chosen Option : --

Q.17 In which of the following options is the substance INCORRECTLY paired with the acid present in that substance?

- Ans
- ☐ 1. Tomato - Oxalic Acid
 - ☐ 2. Vinegar - Acetic Acid
 - ☐ 3. Orange - Citric Acid
 - ☒ 4. Lemon - Lactic Acid

Question ID : 6549787217

Status : Not Answered

Chosen Option : --

Q.18 Which Indian film was the first film to win the 'Palme d'Or' at Cannes Film Festival?

- Ans
- ☐ 1. Mother India
 - ☐ 2. Mughal-e-Azam
 - ☒ 3. Neecha Nagar
 - ☐ 4. Ram Aur Shyam

Question ID : 6549789245

Status : Not Answered

Chosen Option : --

Q.19 How many bits does an IP address consist of?

- Ans
- ☐ 1. 24
 - ☒ 2. 32
 - ☐ 3. 16
 - ☐ 4. 12

Question ID : 6549789228

Status : Not Answered

Chosen Option : --

Q.20 Who among the following is the head coach of India's men's (Senior) football team as of December 2020?

- Ans
- ☐ 1. Dražen Ladić
 - ☒ 2. Igor Stimac
 - ☐ 3. Robert Jarni
 - ☐ 4. Stephen Constantine

Question ID : 6549789250

Status : Not Answered

Chosen Option : --

Q.21 Which of the following ships was launched on 14 December 2020 in Kolkata?

- Ans
- ☒ 1. INS Jalashwa
 - ☐ 2. INS Himgiri
 - ☐ 3. INS Kolkata
 - ☐ 4. INS Shardul

Question ID : 6549787212
Status : Not Answered
Chosen Option : --

Q.22 Who among the following is the first table tennis player to win the Rajiv Gandhi Khel Ratna Award?

- Ans
- ☒ 1. Manika Batra
 - ☐ 2. Sharath Kamal
 - ☐ 3. Poulomi Ghatak
 - ☐ 4. Soumyajit Ghosh

Question ID : 6549787231
Status : Not Answered
Chosen Option : --

Q.23 India's longest LPG pipeline is from Jamnagar to ____.

- Ans
- ☐ 1. Vijaynagar
 - ☐ 2. Namrup
 - ☐ 3. Hazira
 - ☒ 4. Loni

Question ID : 6549789240
Status : Not Answered
Chosen Option : --

Q.24 According to 'Population estimation of tigers in reserves for 2018-19' which of the following is India's largest tiger reserve?

- Ans
- ☒ 1. Corbett
 - ☐ 2. Dudhwa
 - ☐ 3. Nagarhole
 - ☐ 4. Bandipore

Question ID : 6549789239
Status : Answered
Chosen Option : 1

Q.25 Onions produce the chemical irritant known as syn-propanethial-S-oxide; this stimulates the eyes' _____ glands which release tears.

Ans



1. lachrymal



2. parotid



3. sublingual



4. submandibular

Question ID : 6549789238

Status : **Not Answered**

Chosen Option : --