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Combined Higher Secondary Level Examination 2020 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	
Exam Date	04/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Higher Secondary Level Exam 2020

Section : **English Language**

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

If he doesn't reach the station in time, he would sure miss the train.

Ans

✗ 1. would surely miss

✗ 2. No substitution

✗ 3. will sure missing

✓ 4. will surely miss

Question ID : **6549789568**
Status : **Answered**
Chosen Option : **4**

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

It is claimed that if you take a certain homeopathic medicine, it will _____ you against the coronavirus.

Ans

✗ 1. shelter

✗ 2. immune

✗ 3. reinforce

✓ 4. fortify

Question ID : **6549789579**
Status : **Answered**
Chosen Option : **2**

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

WRY

Ans

✗ 1. straight

✗ 2. frank

✗ 3. forthright

✓ 4. crooked

Question ID : **6549789577**
Status : **Not Answered**
Chosen Option : **--**

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Q.4 **In the given sentence, identify the segment which contains the grammatical error.**

My mother generally read the local newspaper to keep abreast of the local news.

Ans

✗ 1. the local newspaper

✗ 2. ofthe local news

✓ 3. My mother generally read

✗ 4. to keep abreast

Question ID : **6549789557**
Status : **Answered**
Chosen Option : **3**

Q.5 **Select the most appropriate ANTONYM of the given word.**

SUSTENANCE

Ans

✗ 1. refreshment

✗ 2. livelihood

✓ 3. starvation

✗ 4. nourishment

Question ID : **6549789065**
Status : **Not Answered**
Chosen Option : **--**

Q.6 **Select the INCORRECTLY spelt word.**

Ans

✗ 1. superior

✗ 2. superstition

✓ 3. superflous

✗ 4. supreme

Question ID : **6549789574**
Status : **Answered**
Chosen Option : **3**

Q.7 **Select the option that will improve the underlined segment in the given sentence. In case no improvement is needed, select 'No improvement'**

What a <u>palace</u> home!

Ans

✗ 1. pushy

✓ 2. palatial

✗ 3. palatable

✗ 4. No improvement

Question ID : **6549789062**
Status : **Answered**
Chosen Option : **2**

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Q.8 **Select the most appropriate synonym of the given word.**

MALIGNANT

Ans

✔ 1. vicious

✘ 2. beneficial

✘ 3. loving

✘ 4. healthy

Question ID : **6549789073**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **Select the most appropriate meaning of the given idiom.**

Under wraps

Ans

✘ 1. under estimate

✘ 2. double layered

✔ 3. secretly

✘ 4. underhand

Question ID : **6549789067**
Status : **Answered**
Chosen Option : **3**

Q.10 **Select the most appropriate ANTONYM of the given word.**

DEVIOUS

Ans

✘ 1. Deceitful

✘ 2. shrewd

✔ 3. straight

✘ 4. calculating

Question ID : **6549789569**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **Select the correct indirect form of the given sentence.**

Anju said to Vijaya, "You can stay with us whenever you are in Delhi."

Ans

✔ 1. Anju told Vijaya that she could stay with them whenever she was in Delhi.

✘ 2. Anju told Vijaya that she could stay with them whenever you were in Delhi.

✘ 3. Anju told Vijaya that she can stay with us whenever she is in Delhi.

✘ 4. Anju told Vijaya that you can stay with us whenever you are in Delhi.

Question ID : **6549789556**
Status : **Answered**
Chosen Option : **1**

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Q.12 **Select the option which means the same as the group of words given.**

A government run by the wealthy people

Ans

✗ 1. oligarchy

✗ 2. monarchy

✓ 3. plutocracy

✗ 4. aristocracy

Question ID : **6549789576**
Status : **Answered**
Chosen Option : **4**

Q.13 **Select the correct passive form of the given sentence.**

The Central Board of Secondary Education has launched a new helpline for students.

Ans

✗ 1. A new helpline for students is launched by the Central Board of Secondary Education.

✗ 2. A new helpline for students will be launched by the Central Board of Secondary Education.

✗ 3. A new helpline for students had been launched by the Central Board of Secondary Education.

✓ 4. A new helpline for students has been launched by the Central Board of Secondary Education.

Question ID : **6549789050**
Status : **Answered**
Chosen Option : **4**

Q.14 **Given below are four jumbled sentences. Out of the given options, pick the one that gives their correct order.**

A. He lived in a small house near the main road of a village.
B. As both, he and his wife, worked hard, they made a small fortune.
C. But one thing caused them great sorrow: they had no children.
D. After he got married, he started a tailor's shop.

Ans

✗ 1. ABDC

✗ 2. BDAC

✓ 3. ADBC

✗ 4. BACD

Question ID : **6549789565**
Status : **Answered**
Chosen Option : **3**

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

Debjyoti's short animation film _____ highlights the stark contrast between the rich and the poor in India.

Ans

✔ 1. poignantly

✘ 2. strictly

✘ 3. carelessly

✘ 4. sweetly

Question ID : **6549789075**
Status : **Answered**
Chosen Option : **2**

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

On tenterhooks

Ans

✘ 1. Very sad

✔ 2. Very tense

✘ 3. Very happy

✘ 4. very angry

Question ID : **6549789571**
Status : **Not Answered**
Chosen Option : **--**

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

Ans

✘ 1. disappear

✘ 2. until

✔ 3. twelth

✘ 4. temperature

Question ID : **6549789068**
Status : **Answered**
Chosen Option : **3**

Q.18 **Examine the four jumbled sentences. Out of the given options, pick the one that gives their correct order.**

A. We gently put the fledgling back into the nest.
B. One morning, we found one of the four fallen on the ground.
C. The robin couple built a nest in our verandah and laid four eggs.
D. Once they had hatched, they busily took turns feeding the four.

Ans

✔ 1. CDBA

✘ 2. ACDB

✘ 3. BADC

✘ 4. DABC

Question ID : **6549789061**
Status : **Answered**
Chosen Option : **1**

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Q.19 **Select the word which means the same as the group of words given.**

That which is incapable of being read or understood

Ans

✗ 1. Indelible

✓ 2. Illegible

✗ 3. Illegal

✗ 4. Intelligible

Question ID : **6549789070**
Status : **Answered**
Chosen Option : **2**

Q.20 **The following sentence has been split into four segments. Identify the segment which contains a grammatical error.**

Deepu's mother / has repeated asked him / to lower the volume / of his mobile.

Ans

✓ 1. has repeated asked him

✗ 2. to lower the volume

✗ 3. of his mobile

✗ 4. Deepu's mother

Question ID : **6549789053**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) _____ about a new school, leave alone absorb a distinct tradition like (2) _____. Most of the new appointees had not served in a residential school and (3) _____ time to learn. But the short tenure did not allow (4) _____. They could not develop understanding of the student and his (5) _____.

SubQuestion No : 21

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

Ans

✗ 1. learnt

✓ 2. learn

✗ 3. learns

✗ 4. learning

Question ID : **6549789055**
Status : **Answered**
Chosen Option : **2**

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Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) _____ about a new school, leave alone absorb a distinct tradition like (2) _____. Most of the new appointees had not served in a residential school and (3) _____ time to learn. But the short tenure did not allow (4) _____. They could not develop understanding of the student and his (5) _____.

SubQuestion No : 22

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

Ans

✗ 1. ourselves

✗ 2. himself

✗ 3. mine

✓ 4. ours

Question ID : **6549789056**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) _____ about a new school, leave alone absorb a distinct tradition like (2) _____. Most of the new appointees had not served in a residential school and (3) _____ time to learn. But the short tenure did not allow (4) _____. They could not develop understanding of the student and his (5) _____.

SubQuestion No : 23

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

Ans

✗ 1. needing

✗ 2. need

✓ 3. needed

✗ 4. needs

Question ID : **6549789057**
Status : **Answered**
Chosen Option : **2**

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Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) _____ about a new school, leave alone absorb a distinct tradition like (2) _____. Most of the new appointees had not served in a residential school and (3) _____ time to learn. But the short tenure did not allow (4) _____. They could not develop understanding of the student and his (5) _____.

SubQuestion No : 24

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

Ans

✗ 1. them

✗ 2. those

✗ 3. these

✓ 4. that

Question ID : **6549789058**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

A year is hardly sufficient time for a Master to (1) _____ about a new school, leave alone absorb a distinct tradition like (2) _____. Most of the new appointees had not served in a residential school and (3) _____ time to learn. But the short tenure did not allow (4) _____. They could not develop understanding of the student and his (5) _____.

SubQuestion No : 25

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

Ans

✗ 1. environmentalist

✗ 2. environmental

✓ 3. environment

✗ 4. environmentally

Question ID : **6549789059**
Status : **Answered**
Chosen Option : **3**

Section : **General Intelligence**

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Q.1 **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 computers are machines.
No television is a computer.
All televisions are instruments.

Conclusions:

I. Some instruments are machines.
II. Some machines are computers.
III. Some televisions are machines.

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

Question ID : **6549789093**
Status : **Answered**
Chosen Option : **1**

Q.2 **Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.**

a_ _bcde_ _abbcd_ _aabb_ _ee

Ans
✘ 1. aeaebecd
✘ 2. aeecdbea
✔ 3. abeaeecd
✘ 4. abecdeae

Question ID : **6549788785**
Status : **Answered**
Chosen Option : **3**

Q.3 **Select the option in which the words share the same relationship as that shared by the given pair of words.**

Ammeter : Electric current

Ans
✘ 1. Density : Lactometer
✘ 2. Pressure : Barometer
✔ 3. Hygrometer : Humidity
✘ 4. Polarimeter : Steps

Question ID : **6549789595**
Status : **Answered**
Chosen Option : **3**

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Q.4 **'Straw' is related to 'Nest' in the same way as 'Cotton' is related to '_____'.**

Ans

✗ 1. Textile industry

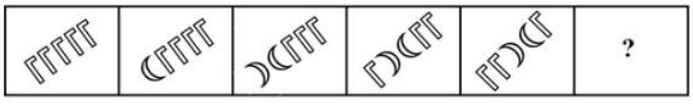
✓ 2. Thread

✗ 3. Sewing

✗ 4. Wool

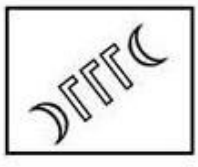
Question ID : **6549789087**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the figure from among the given options that can replace the question mark (?) in the following series.

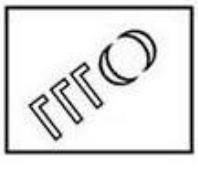


Ans

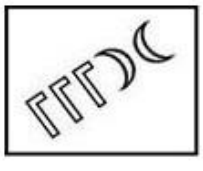
✗ 1.



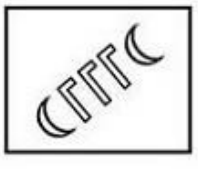
✗ 2.



✓ 3.



✗ 4.



Question ID : **6549789600**
Status : **Answered**
Chosen Option : **3**

Q.6 **The sales boy of a washing machine store charges his customers 24% more than the cost price. If a customer paid ₹6,200 for a washing machine, then what was the cost price of the washing machine?**

Ans

✗ 1. ₹5,500

✓ 2. ₹5,000

✗ 3. ₹6,200

✗ 4. ₹7,200

Question ID : **6549789581**
Status : **Answered**
Chosen Option : **2**

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Q.7 **Study the given pattern carefully and select the number that can replace the question mark (?) in it.**

28 16 27
44 16 15
84 ? 24

Ans
1. 27 ✗
2. 30 ✗
3. 28 ✗
4. 29 ✓

Question ID : **6549789585**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Select the option that is related to the third number in the same way as the second number is related to the first number.**

12 : 150 : : 14 : ?

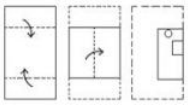
Ans
1. 203 ✓
2. 502 ✗
3. 302 ✗
4. 205 ✗

Question ID : **6549789583**
Status : **Answered**
Chosen Option : **1**

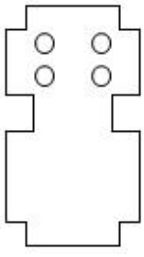
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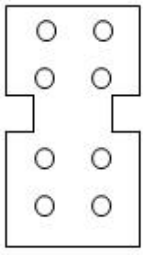
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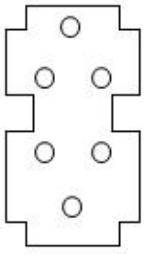
Q.9 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

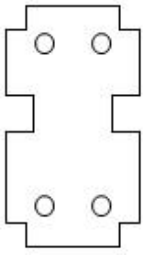


Ans

✔ 1.


✘ 2.


✘ 3.


✘ 4.


Question ID : **6549789098**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the number from among the given options that can replace the question mark (?) in the following series.**

3, 5, 15, 41, ?, 173

Ans

✔ 1. 91

✘ 2. 112

✘ 3. 78

✘ 4. 106

Question ID : **6549789081**
Status : **Answered**
Chosen Option : **1**

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Q.11 **Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.**

Ans

✔ 1. NRJQ

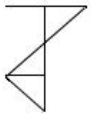
✘ 2. DHSZ

✘ 3. TXCJ

✘ 4. GKPW

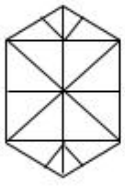
Question ID : **6549789596**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Select the option in which the given figure is embedded (rotation is NOT allowed).

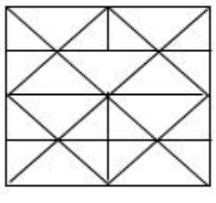


Ans

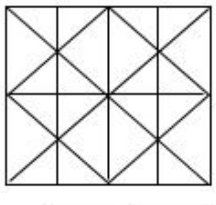
✘ 1.



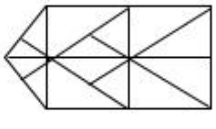
✘ 2.



✔ 3.



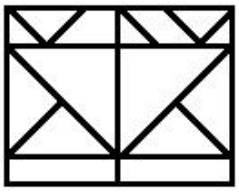
✘ 4.



Question ID : **6549789097**
Status : **Answered**
Chosen Option : **1**

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Q.13 Find the number of triangles in the given figure.



Ans
1. 15
2. 11
3. 14
4. 13

Question ID : **6549789601**
Status : **Answered**
Chosen Option : **3**

Q.14 **In a certain code language, FORWARD is written as CSZXQPE. How will NUMERAL be written in that language?**

Ans
1. MZSDNTO
2. KZQDLTL
3. KBQFLVM
4. MUNELAR

Question ID : **6549789084**
Status : **Answered**
Chosen Option : **3**

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

12 − 8 + 4 ÷ 2 × 8 = 4

Ans
1. − and ×
2. × and +
3. ÷ and −
4. × and ÷

Question ID : **6549789077**
Status : **Answered**
Chosen Option : **2**

Q.16 **In a certain code language, HAMPER is coded as 17212322036 and INSULT is coded as 16286421340. How will SAFETY be coded in that language?**

Ans
1. 621910550
2. 612195030
3. 629101350
4. 610195320

Question ID : **6549789590**
Status : **Not Answered**
Chosen Option : **--**

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Q.17 **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.**

BYDW : UFSH :: CXFU : ?

Ans

✗ 1. TGQJ

✗ 2. SHQJ

✗ 3. RIPK

✓ 4. RIOL

Question ID : **6549789086**
Status : **Answered**
Chosen Option : **1**

Q.18 **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. Integrity

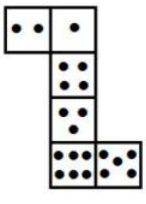
✓ 2. Joviality

✗ 3. Honesty

✗ 4. Truthfulness

Question ID : **6549789092**
Status : **Answered**
Chosen Option : **4**

Q.19 A cube is made by folding the given sheet. In the cube so formed, how many dots lie opposite to the face having 4 dots?



Ans

✗ 1. 2

✗ 2. 5

✓ 3. 6

✗ 4. 1

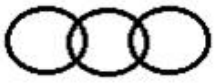
Question ID : **6549789599**
Status : **Answered**
Chosen Option : **3**

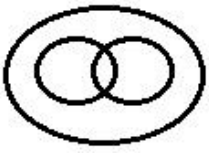
Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.20 Select the Venn diagram that best represents the relationship between the following classes.

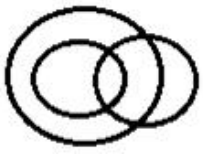
Women, Professors, Widows

Ans

✗ 1. 

✗ 2. 

✗ 3. 

✓ 4. 

Question ID : **6549789605**
Status : **Answered**
Chosen Option : **4**

Q.21 **Snigda said that she met her mother's only brother's son's mother's father-in-law. Whom did she meet?**

Ans

✗ 1. Father

✗ 2. Uncle

✓ 3. Grandfather

✗ 4. Brother

Question ID : **6549788281**
Status : **Answered**
Chosen Option : **3**

Q.22 **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. 6341

✓ 2. 6138

✗ 3. 5423

✗ 4. 1652

Question ID : **6549789587**
Status : **Answered**
Chosen Option : **2**

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Q.23 **Select the option in which the numbers are related in the same way as are the numbers of the following set.**

{9, 12, 18}

Ans

1. {7, 13, 27}
2. {21, 29, 44}
3. {5, 12, 24}
4. {13, 19, 31}

Question ID : **6549789079**
Status : **Answered**
Chosen Option : **4**

Q.24 **Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.**

1. **Multifocal**
2. **Movement**
3. **Multinomial**
4. **Moviemaker**
5. **Mutual fund**

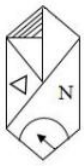
Ans

1. 4, 2, 3, 1, 5
2. 1, 5, 2, 3, 4
3. 4, 2, 1, 3, 5
4. 4, 2, 4, 1, 3, 5

Question ID : **6549789588**
Status : **Answered**
Chosen Option : **4**

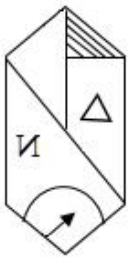
Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.25 Select the correct mirror image of the given figure when the mirror is placed at the right side of the figure.

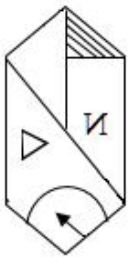


Ans

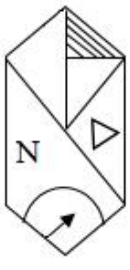
✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : **6549789099**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.1 A solid metallic hemisphere of radius 6.3 cm is melted and recast into a right circular cylinder of radius 9 cm. What is the height (in cm, correct to one decimal place) of the cylinder?

Ans

1. 1.9 ✗
2. 2.7 ✗
3. 2.5 ✗
4. 2.1 ✓

Question ID : **6549789103**
Status : **Answered**
Chosen Option : **4**

Q.2 If $cos\ \theta = \frac{4x}{1+4x^2}$, then what is the value of $\sin\theta$?

Ans

1. $\frac{1+4x^2}{1-4x^2}$ ✗
2. $\frac{1+4x^2}{4x^2}$ ✗
3. $\frac{1-4x^2}{1+4x^2}$ ✓
4. $\frac{1-4x^2}{4x}$ ✗

Question ID : **6549789625**
Status : **Answered**
Chosen Option : **3**

Q.3 In a triangle ABC, $\angle BAC = 90°$ and AD is perpendicular to BC. If AD = 8.4 cm and BD = 4.8 cm, then the length of BC is:

Ans

1. 19.5 cm ✓
2. 15 cm ✗
3. 18 cm ✗
4. 18.5 cm ✗

Question ID : **6549789113**
Status : **Answered**
Chosen Option : **1**

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Q.4 Tap P can fill a cistern in 6 hours and tap Q can empty the full cistern in 10 hours. If both taps P and Q are kept open simultaneously, then in how many hours will the empty cistern be completely full?

Ans

✔ 1. 15

✘ 2. 18

✘ 3. 16

✘ 4. 12

Question ID : **6549789101**
Status : **Answered**
Chosen Option : **1**

Q.5 One dozen notebooks quoted at ₹125 are available at 20% discount. How many notebooks can be bought for ₹75?

Ans

✘ 1. 10

✘ 2. 6

✔ 3. 9

✘ 4. 8

Question ID : **6549789105**
Status : **Answered**
Chosen Option : **3**

Q.6 A man invests ₹7,000 at 8% per annum simple interest for 2 years and ₹10,000 at compound interest at the same rate for the same period, compounded annually. What will be the total interest and the total amount (in ₹) respectively, on maturity?

Ans

✘ 1. 19,748 and 2,874

✘ 2. 2,748 and 19,784

✘ 3. 19,784 and 2,784

✔ 4. 2,784 and 19,784

Question ID : **6549789614**
Status : **Answered**
Chosen Option : **4**

Q.7 If $(\sin A - \cos A) = 0$, then what is the value of $\cot A$?

Ans

✘ 1. $\frac{\pi}{6}$

✘ 2. 0

✔ 3. 1

✘ 4. $\frac{\pi}{4}$

Question ID : **6549789119**
Status : **Answered**
Chosen Option : **3**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.8 A boat can travel with a speed of 19 km/h in still water. If the speed of the stream is 3 km/h, then what will be the total time (in hours) taken by the boat to go 88 km downstream and 24 km upstream?

Ans

✗ 1. 4.5
✗ 2. 5
✗ 3. 4
✓ 4. 5.5

Question ID : **6549789607**
Status : **Answered**
Chosen Option : **4**

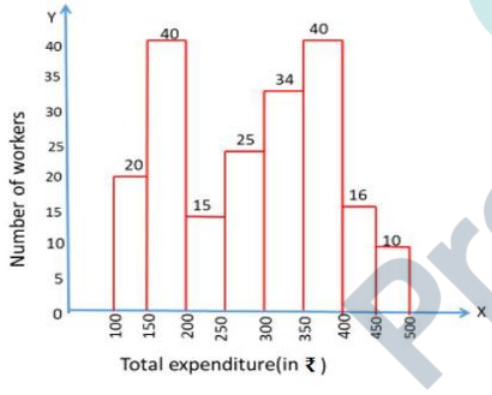
Q.9 A is 150% of B and B is 40% of C. If A + B + C = 20, then the value of 2B + 3C – 4A is equal to:

Ans

✗ 1. 16
✓ 2. 14
✗ 3. 20
✗ 4. 15

Question ID : **6549789611**
Status : **Answered**
Chosen Option : **2**

Q.10 The following histogram represents the distribution of household expenditure (in ₹) of 200 manual workers in a city.



The ratio of the number of workers whose household expenditure is less than ₹200 to the number of workers whose household expenditure is ₹300 and above is:

Ans

✓ 1. 3 : 5
✗ 2. 2 : 5
✗ 3. 4 : 5
✗ 4. 3 : 4

Question ID : **6549789122**
Status : **Answered**
Chosen Option : **1**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.11 Using algebraic identities, simplify the following expression.

$$\frac{(x^4 + x^2 + 1)}{(x^2 + x + 1)}$$

Ans

✗ 1. $(x^2 - 2x + 1)$

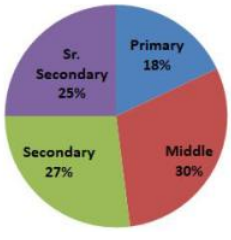
✗ 2. $(x^2 + x + 1)$

✗ 3. $(x^2 + 2x + 1)$

✓ 4. $(x^2 - x + 1)$

Question ID : **6549789116**
Status : **Answered**
Chosen Option : **4**

Q.12 Students of Primary, Middle, Secondary and Sr. Secondary classes collected donation for a Relief Fund as shown in the pie chart. If the donation collected from Middle classes was ₹6,750, then how much money was collected by the Primary classes?



Ans

✓ 1. ₹4,050

✗ 2. ₹4,005

✗ 3. ₹4,500

✗ 4. ₹3,960

Question ID : **6549789427**
Status : **Answered**
Chosen Option : **1**

Q.13 One-quarter of a circular pizza of diameter 28 cm was removed from the whole pizza. What is the perimeter (in cm) of the remaining pizza? (Take $\pi = \frac{22}{7}$.)

Ans

✗ 1. 88

✓ 2. 94

✗ 3. 80

✗ 4. 66

Question ID : **6549789111**
Status : **Answered**
Chosen Option : **4**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

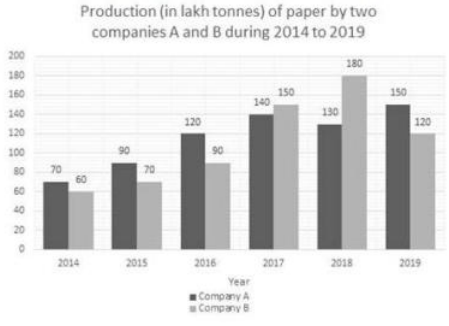
Q.14 The inner and outer radii of two concentric circles are 6.7 cm and 9.5 cm, respectively. What is the difference between their circumferences (in cm)? Take $\pi = \frac{22}{7}$.

Ans

1. 20.5 ✗
2. 10.4 ✗
3. 6.5 ✗
4. 17.6 ✓

Question ID : **6549789615**
Status : **Answered**
Chosen Option : **4**

Q.15 Study the given graph and answer the question that follows.



The average production of paper by company B in 2014, 2017 and 2018 was $13\frac{1}{3}\%$ less than the production of paper by company A in the year:

Ans

1. 2016 ✗
2. 2018 ✗
3. 2017 ✗
4. 2019 ✓

Question ID : **6549787911**
Status : **Answered**
Chosen Option : **4**

Q.16 What is the perimeter (in cm) of an equilateral triangle whose height is 3.46 cm? Take $\sqrt{3} = 1.73$.

Ans

1. 10.4 ✗
2. 9 ✗
3. 6 ✗
4. 12 ✓

Question ID : **6549789617**
Status : **Answered**
Chosen Option : **3**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.17 The value of $[\{(232 \div 29 \text{ of } 2) + 77 \times 10\} \div 18] - \frac{18 \times 8 \div 4 \text{ of } 3 - 4}{2 \times (8-6) + 1 - 2 \times 3 \div 4 \text{ of } \frac{1}{2}}$ is:

Ans
1. 39 ✔
2. 44 ✘
3. 33 ✘
4. 47 ✘

Question ID : **6549789118**
Status : **Answered**
Chosen Option : **1**

Q.18 The string of a kite is 158 m long and it makes an angle of 30° with the horizontal. What is the height (in m) of the kite? Assume there is no slack in the string.

Ans
1. 100 ✘
2. 99 ✘
3. 79 ✔
4. 80 ✘

Question ID : **6549789121**
Status : **Answered**
Chosen Option : **3**

Q.19 If $\left(x + \frac{1}{x}\right)^3 = 27$, then what is the value of $\left(x^2 + \frac{1}{x^2}\right)$? Given that x is real.

Ans
1. 11 ✘
2. 25 ✘
3. 7 ✔
4. 9 ✘

Question ID : **6549789619**
Status : **Answered**
Chosen Option : **3**

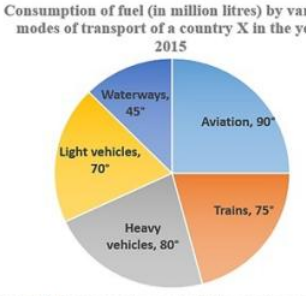
PrepXpert

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.20 Study the given pie-chart and answer the question that follows.

The pie-chart represents the consumption of fuel (in million litres) by various modes of transport of a country X in the year 2015. The total consumption of fuel by various modes of transport of the country is 800 million litres.

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



To obtain fuel, energy is required to run the machinery, which is to be produced by burning coal.

If 1 tonne of coal is burnt to produce 0.4 million litres of oil, then approximately what is the requirement of coal (in tonnes) for the Trains sector?

Ans

✔ 1. 417

✘ 2. 415

✘ 3. 418

✘ 4. 420

Question ID : **6549789630**
Status : **Answered**
Chosen Option : **1**

Q.21 One-fifth of a journey is covered at a speed of 30 km/h, one-fourth of the journey at a speed of 25 km/h and the rest at 60 km/h. What is the average speed (in km/h, correct to one decimal place) for the whole journey?

Ans

✔ 1. 38.7

✘ 2. 30.6

✘ 3. 40.5

✘ 4. 25.4

Question ID : **6549789609**
Status : **Answered**
Chosen Option : **1**

Q.22 If $a + b = p, ab = q$, then $(a^4 + b^4)$ is equal to:

Ans

✘ 1. $p^4 - 2p^2q^2 + q^2$

✘ 2. $p^4 - 4p^2q^2 + 2q^2$

✘ 3. $p^4 - 4p^2q + q^2$

✔ 4. $p^4 - 4p^2q + 2q^2$

Question ID : **6549789115**
Status : **Answered**
Chosen Option : **4**

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Q.23 What is the greatest five-digit number that is completely divisible by 8, 15, 16, 21 and 5?

Ans

✗ 1. 92680
✓ 2. 99120
✗ 3. 95760
✗ 4. 98320

Question ID : **6549789622**
Status : **Answered**
Chosen Option : **2**

Q.24 By selling an article for ₹1,170, Elisa suffers as much loss as she would have gained by selling it at a profit of 22%. If she sells it for ₹1,450, then her profit/loss per cent (correct up to one decimal place) is:

Ans

✗ 1. Profit, 3.3
✓ 2. Loss, 3.3
✗ 3. Loss, 26.2
✗ 4. Profit, 26.2

Question ID : **6549789107**
Status : **Answered**
Chosen Option : **2**

Q.25 If A : B = 11 : 7 and B : C = 5 : 19, then what is A : B : C?

Ans

✓ 1. 55 : 35 : 133
✗ 2. 35 : 55 : 133
✗ 3. 35 : 133 : 55
✗ 4. 55 : 133 : 35

Question ID : **6549789613**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **Who among the following is the first Indian pistol shooter to reach number one in world rankings by the International Shooting Sport Federation?**

Ans

✓ 1. Heena Sidhu
✗ 2. Kajal Saini
✗ 3. Tejaswini Sawant
✗ 4. Suma Shirur

Question ID : **6549789149**
Status : **Not Answered**
Chosen Option : **--**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.2 **Who among the following has become the first woman umpire to officiate in a men's Test match in January 2021?**

Ans
- ✗ 1. Danielle Wyatt
- ✗ 2. Jess Jonassen
- ✗ 3. Suzie Bates
- ✓ 4. Claire Polosak

Question ID : **6549789655**
Status : **Not Answered**
Chosen Option : **--**

Q.3 **Which part of soil has organic materials incorporated with the mineral matter, nutrients and water?**

Ans
- ✗ 1. Horizon D
- ✗ 2. Horizon C
- ✓ 3. Horizon A
- ✗ 4. Horizon B

Question ID : **6549789138**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **In which of the following states is Sabarimala Sree Dharma Sastha Temple located?**

Ans
- ✗ 1. Karnataka
- ✗ 2. Telangana
- ✗ 3. Andhra Pradesh
- ✓ 4. Kerala

Question ID : **6549789633**
Status : **Not Answered**
Chosen Option : **--**

Q.5 **Identify the Indian state which was known as 'Pragjyotisha' during the epic period.**

Ans
- ✓ 1. Assam
- ✗ 2. Odisha
- ✗ 3. Kerala
- ✗ 4. Bihar

Question ID : **6549789142**
Status : **Not Answered**
Chosen Option : **--**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.6 **What is the SI unit for measuring pressure?**

Ans

✔ 1. Pascal

✘ 2. Candela

✘ 3. Ampere

✘ 4. Kelvin

Question ID : **6549789135**
Status : **Answered**
Chosen Option : **1**

Q.7 **Who among the following was appointed by AIFF (All India Football Federation) as its first Deputy General Secretary in January 2021?**

Ans

✔ 1. Abhishek Yadav

✘ 2. Praful Patel

✘ 3. Umesh Sinha

✘ 4. Kushal Das

Question ID : **6549789653**
Status : **Not Answered**
Chosen Option : **--**

Q.8 **Kabartal Wetland was designated as a Ramsar site in 2020. In which of the following states is it located?**

Ans

✘ 1. Haryana

✔ 2. Bihar

✘ 3. Himachal Pradesh

✘ 4. Punjab

Question ID : **6549789645**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **_____ are gently sloping areas of the ocean basins.**

Ans

✔ 1. Deep sea plains

✘ 2. Continental shelfs

✘ 3. Continental slopes

✘ 4. Oceanic deeps

Question ID : **6549789139**
Status : **Not Answered**
Chosen Option : **--**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.10 **Who among the following was appointed as the Chief Justice of the Andhra Pradesh High Court in January 2021?**

Ans

✗ 1. Sharad Arvind Bobde

✗ 2. Hima Kohli

✗ 3. Rajan Datta

✓ 4. Arup Kumar Goswami

Question ID : **6549789636**
Status : **Answered**
Chosen Option : **4**

Q.11 **Who among the following Indian nationals got the 'Legion of Merit' Award 2020 from the US?**

Ans

✗ 1. Dr Manmohan Singh

✓ 2. Narendra Modi

✗ 3. Dr K Sivan

✗ 4. General Bipin Rawat

Question ID : **6549789144**
Status : **Answered**
Chosen Option : **2**

Q.12 **Who among the following became the first Lokpal of India?**

Ans

✗ 1. Dilip B Bhosale

✗ 2. Pradip Kumar Mohanty

✓ 3. Pinaki Chandra Ghose

✗ 4. Ajay Kumar Tripathi

Question ID : **6549789147**
Status : **Not Answered**
Chosen Option : **--**

Q.13 **In which of the following states did the Land Grabbing (Prohibition) Act, 2020 come into force in December 2020?**

Ans

✗ 1. Punjab

✗ 2. Maharashtra

✓ 3. Gujarat

✗ 4. Madhya Pradesh

Question ID : **6549789132**
Status : **Not Answered**
Chosen Option : **--**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.14 What happens to Indian exports when Indian rupee is devalued?

Ans

✗ 1. Export prices fluctuate

✓ 2. Exports become cheaper

✗ 3. Export prices remain stable

✗ 4. Exports become dearer

Question ID : **6549789134**
Status : **Not Answered**
Chosen Option : **--**

Q.15 _____ is the process of turning on a computer and powering up the system.

Ans

✓ 1. Booting

✗ 2. Loading

✗ 3. Saving

✗ 4. Execution

Question ID : **6549789631**
Status : **Answered**
Chosen Option : **1**

Q.16 What do you call a key on a computer keyboard that is used to move the pointer (cursor) around on the screen?

Ans

✓ 1. Navigation key

✗ 2. Numeric key

✗ 3. Function key

✗ 4. Control key

Question ID : **6549789127**
Status : **Answered**
Chosen Option : **1**

Q.17 Vitamin B12 is generally NOT present in _____.

Ans

✗ 1. milk products

✓ 2. plant foods

✗ 3. fish products

✗ 4. poultry products

Question ID : **6549789137**
Status : **Not Answered**
Chosen Option : **--**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.18 **Who among the following is considered as the 'Father of Modern Atomic Theory'?**

Ans
1. Robert Boyle
2. John Dalton
3. Willard Gibbs
4. Otto Hahn

Question ID : **6549789641**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **_____ plains are formed due to the weathering of soluble rocks such as limestone and dolomite.**

Ans
1. Glacial
2. Karst
3. Deposition
4. Desert

Question ID : **6549789646**
Status : **Not Answered**
Chosen Option : **--**

Q.20 **Which of the following state governments unveiled a Braille version of the Constitution of India in January 2021?**

Ans
1. Haryana
2. Andhra Pradesh
3. Punjab
4. Maharashtra

Question ID : **6549789635**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **In which of the following cities is the corporate centre of State Bank of India (SBI) situated?**

Ans
1. Hyderabad
2. Kolkata
3. Mumbai
4. Bengaluru

Question ID : **6549789638**
Status : **Not Answered**
Chosen Option : **--**

Free Mock Test For Practice: https://play.google.com/store/apps/details?id=com.prepxpert.app

Q.22 In which of the following years was the Vijayanagar empire founded?

Ans
1. 1456
2. 1229
3. 1412
4. 1336

Question ID : **6549789648**
Status : **Not Answered**
Chosen Option : **--**

Q.23 In which of the following years did Telangana become the 29th state of India after the reorganisation of the state of Andhra Pradesh?

Ans
1. 2014
2. 1994
3. 2010
4. 1998

Question ID : **6549789651**
Status : **Answered**
Chosen Option : **1**

Q.24 'Kati Bihu' in Assam is celebrated by lighting a lamp in front of a _____ tree / plant.

Ans
1. banyan
2. tulsi
3. banana
4. neem

Question ID : **6549789129**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Who among the following was awarded the Rabindranath Tagore Literary Award 2020?

Ans
1. Ashraf Patel
2. Ranjitsinh Disale
3. Vidyut Mohan
4. Raj Kamal Jha

Question ID : **6549789650**
Status : **Not Answered**
Chosen Option : **--**