Combined Higher Secondary Level Examination 2019 Tier I

Roll Number	
Candidate Name	
Venue Name	HDSM INFOTECH RAJARHAT
Exam Date	15/10/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CHSL Tier 1

Section : **English Language (Basic Knowledge)**

Q.1 **Select the option that is the passive form of the given sentence.**

The Principal gave her a warning about coming late to school every day.

Ans ✗ 1. She gives a warning to the Principal about coming late to school every day.

✗ 2. She has given a warning by the Principal about coming late to school every day.

✓ 3. She was given a warning about coming late to school every day by the Principal.

✗ 4. She was giving a warning by the Principal about coming late to school every day.

Question ID : **8161612838**
Status : **Answered**
Chosen Option : **3**

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

HOLISTIC

Ans ✗ 1. Dissimilar

✓ 2. Comprehensive

✗ 3. Sketchy

✗ 4. Superficial

Question ID : **8161612861**
Status : **Answered**
Chosen Option : **4**

Q.3 **Select the most appropriate option to fill in the blank in the given sentence.**

Over 7,50,000 people from 192 countries have pledged to go vegan for a month which, they say, would reduce carbon _____ by 45000 tons.

Ans ✗ 1. inclusion

✓ 2. emission

✗ 3. omission

✗ 4. exclusion

Question ID : **8161612862**
Status : **Answered**
Chosen Option : **2**

Q.4 **Select the most appropriate ANTONYM of the given word.**

AGITATE

Ans ✗ 1. Argue

✗ 2. Impress

✓ 3. Calm

✗ 4. Excite

Question ID : **8161612852**

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.

Simply put, happiness is satisfaction of mind. However, different individuals (1)_____ different perceptions of how to achieve (2)_____. For some, happiness lies (3)_____ wealth; for others, it is in (4)_____ and position; yet happiness is (5)_____ to most.

SubQuestion No : 5

Q.5 **Select the most appropriate option to fill in blank number 1.**

Ans ✗ 1. having

✓ 2. have

✗ 3. has

✗ 4. had

Question ID : **8161612843**

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.

Simply put, happiness is satisfaction of mind. However, different individuals (1)_____ different perceptions of how to achieve (2)_____. For some, happiness lies (3)_____ wealth; for others, it is in (4)_____ and position; yet happiness is (5)_____ to most.

SubQuestion No : 6

Q.6 **Select the most appropriate option to fill in blank number 2.**

Ans ✓ 1. happiness

✗ 2. dream

✗ 3. fame

✗ 4. money

Question ID : **8161612844**

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.

Simply put, happiness is satisfaction of mind. However, different individuals (1)_____ different perceptions of how to achieve (2)_____. For some, happiness lies (3)_____ wealth; for others, it is in (4)_____ and position; yet happiness is (5)_____ to most.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

Ans ✗ 1. on

✗ 2. over

✗ 3. about

✓ 4. in

Question ID : **8161612845**
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.

Simply put, happiness is satisfaction of mind. However, different individuals (1)_____ different perceptions of how to achieve (2)_____. For some, happiness lies (3)_____ wealth; for others, it is in (4)_____ and position; yet happiness is (5)_____ to most.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

Ans ✓ 1. rank

✗ 2. mind

✗ 3. satisfaction

✗ 4. happiness

Question ID : **8161612846**
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.

Simply put, happiness is satisfaction of mind. However, different individuals (1)_____ different perceptions of how to achieve (2)_____. For some, happiness lies (3)_____ wealth; for others, it is in (4)_____ and position; yet happiness is (5)_____ to most.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

Ans ✗ 1. probable

✓ 2. elusive

✗ 3. fashionable

✗ 4. creative

Question ID : **8161612847**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the most appropriate word to fill in the blank in the given sentence.

He is your brother, _____?

Ans ✗ 1. is he

✗ 2. isn't it

✓ 3. isn't he

✗ 4. is it

Question ID : **8161612863**
Status : **Answered**
Chosen Option : **3**

Q.11 Identify the segment in the given sentence which contains the grammatical error.

Aryan told Sriram, "Don't worry I can be able to climb that tree to reach the fruit."

Ans ✗ 1. to reach the fruit

✗ 2. climb that tree

✓ 3. I can be able to

✗ 4. Don't worry

Question ID : **8161612840**
Status : **Answered**
Chosen Option : **2**

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

There is a double-digit growth in salaries of vocational jobs now and the trend are likely to continue in the coming years.

Ans ✗ 1. is likely for continuing

✗ 2. is like to be continued

✗ 3. No improvement

✓ 4. is likely to continue

Question ID : **8161612851**
Status : **Answered**
Chosen Option : **2**

Q.13 Given below are four jumbled sentences. Select the option that gives their correct order.

A. While an average person lives up to 72 years of age, the life expectancy of doctors is only about 59 years, the shocking IMA study concluded.
B. The sudden death of Dr. Meena Kumar at an International Conference in London after suffering a cardiac arrest has alarmed the medical community.
C. She was a well-known medico recognised for her services as a consultant neurologist with a career of over 25 years.
D. Her death brings to the fore the fact that even doctors have risky life-styles and a hard life, a study by the Indian Medical Association conducted on doctors, said.

Ans ✗ 1. DABC

✗ 2. ABDC

✗ 3. CABD

✔ 4. BCDA

Question ID : **8161612848**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Identify the segment in the given sentence which contains the grammatical error.

Have I ever told you what lovely pickles my grandmother used to made when she was in Visakhapatnam?

Ans ✗ 1. Have I ever told you

✗ 2. what lovely pickles

✔ 3. used to made

✗ 4. when she was in

Question ID : **8161612841**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the word which means the same as the group of words given.

Relating to the healing of diseases

Ans ✗ 1. Inoculation

✗ 2. Immunity

✔ 3. Therapeutic

✗ 4. Preventive

Question ID : **8161612859**
Status : **Answered**
Chosen Option : **2**

Q.16 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

His uncle advised Naveen <u>to keep away from</u> involving himself in the controversy.

Ans   ✗ 1. that he keeps away for

     ✓ 2. No improvement

     ✗ 3. from keep away in

     ✗ 4. for keep away from

Question ID : **8161612850**
Status : **Answered**
Chosen Option : **3**

Q.17 Given below are four jumbled sentences. Select the option that gives their correct order.

A. So, clearly, where you get your news from matters, since you can't possibly be expected to verify and authenticate every bit of 'news' you receive.
B. Are you really sure those apparently sound bits of medical advice you received as forwards would pass muster with your doctor?
C. Yet, we do often forward these in the belief that we are doing a good deed to our friends and relatives.
D. Being educated is no guarantee against falling prey to fake news.

Ans   ✗ 1. ACBD

     ✗ 2. BACD

     ✗ 3. CADB

     ✓ 4. DBCA

Question ID : **8161612849**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Select the INCORRECTLY spelt word.

Ans   ✓ 1. Discriminiation

     ✗ 2. Identification

     ✗ 3. Corruption

     ✗ 4. Embodiment

Question ID : **8161612857**
Status : **Answered**
Chosen Option : **1**

Q.19 Select the most appropriate meaning of the underlined idiom in the given sentence.

Anu <u>jumped the gun</u> and announced their plans at the dinner table.

Ans   ✓ 1. acted hastily

     ✗ 2. ate quickly

     ✗ 3. started shooting

     ✗ 4. shouted loudly

Question ID : **8161612854**
Status : **Answered**
Chosen Option : **4**

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

A group of people who have come together in a religious building for worship and prayer

Ans
✓ 1. Congregation

✗ 2. Crowd

✗ 3. Throng

✗ 4. Multitude

> Question ID : **8161612858**
> Status : **Answered**
> Chosen Option : **3**

Q.21 Select the most appropriate ANTONYM of the given word.

HEINOUS

Ans
✗ 1. Unhealthy

✗ 2. Biased

✓ 3. Agreeable

✗ 4. Unwilling

> Question ID : **8161612853**
> Status : **Answered**
> Chosen Option : **1**

Q.22 Select the most appropriate meaning of the idiom

Looking for a needle in a haystack.

Ans
✓ 1. Attempting something impossible

✗ 2. Searching for small things to do

✗ 3. Be interested in sewing and embroidery

✗ 4. Suddenly deciding to do farming

> Question ID : **8161612855**
> Status : **Answered**
> Chosen Option : **1**

Q.23 Select the correctly spelt word.

Ans
✗ 1. Secquence

✓ 2. Bouquet

✗ 3. Frequensy

✗ 4. Acquirum

> Question ID : **8161612856**
> Status : **Answered**
> Chosen Option : **1**

Q.24 Select the option that is the direct form of the given sentence.

The child asked his mother if he could swim in the pool there.

Ans ✗ 1. The child asked to his mother, "Can he swim in the pool there?"

✗ 2. The child said to his mother, "Will I swim in the pool here?"

✗ 3. The child asked his mother, "Could he swim in the pool there?"

✔ 4. The child asked his mother, "May I swim in the pool here?"

Question ID : **8161612839**
Status : **Answered**
Chosen Option : **3**

Q.25 Select the most appropriate synonym of the given word.

LURK

Ans ✗ 1. Tremble

✗ 2. Sing

✗ 3. Vibrate

✔ 4. Prowl

Question ID : **8161612860**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Intelligence**

Q.1 उस विकल्प का चयन करें जिसमें संख्याएँ उसी प्रकार संबंधित हैं जिस प्रकार दिए गए समुच्चय की संख्याएँ संबंधित हैं।

(26, 63, 124)

Ans ✗ 1. (125, 216, 343)

✔ 2. (63, 124, 215)

✗ 3. (63, 123, 213)

✗ 4. (126, 217, 344)

Question ID : **8161612867**
Status : **Answered**
Chosen Option : **2**

Q.2 Select the option in which the words share the same relationship as that shared by the given pair of words.

Syringe : Piston

Ans

✗ 1. Vehicle : Passenger

✗ 2. Bulb : Light

✔ 3. Tyre : Tube

✗ 4. Balloon : Air

Question ID : **8161612878**
Status : **Answered**
Chosen Option : **4**

Q.3 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.

STOP : HGLK :: LAMB : ?

Ans

✗ 1. PYOX

✔ 2. OZNY

✗ 3. NCOD

✗ 4. JYKZ

Question ID : **8161612874**
Status : **Not Answered**
Chosen Option : **--**

Q.4 दर्पण को आकृति के दाईं ओर रखे जाने पर, दी गई आकृति के सही दर्पण प्रतिबिंब का चयन करें।

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **8161612887**
Status : **Answered**
Chosen Option : **4**

Q.5 Four different positions of the same dice are shown. Select the number that will be on the face opposite to the face having number '6'.
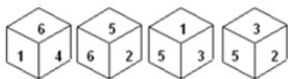
Ans   ✗ 1. 1

   ✗ 2. 5

   ✔ 3. 3

   ✗ 4. 2

Question ID : **8161612882**
Status : **Answered**
Chosen Option : **3**

Q.6 किसी निश्चित कूट भाषा में, HIMACHAL को LAHCAMIH लिखा जाता है। उसी भाषा में MAGNETIC को क्या लिखा जाएगा?

Ans   ✗ 1. ETICNGAM

   ✗ 2. CIETNGAM

   ✗ 3. GAMNECIT

   ✔ 4. CITENGAM

Question ID : **8161612872**
Status : **Answered**
Chosen Option : **4**

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

(11, 57, 8)

Ans   ✗ 1. (18, 89, 15)

   ✔ 2. (15, 81, 12)

   ✗ 3. (15, 38, 13)

   ✗ 4. (12, 64, 10)

Question ID : **8161612868**
Status : **Not Answered**
Chosen Option : **--**

Q.8 दिए गए कथनों और निष्कर्षों को ध्यानपूर्वक पढ़ें। यह मानते हुए कि कथनों में दी गई जानकारी सही है, भले ही वह आम तौर पर स्थापित तथ्यों से भिन्न प्रतीत होती है, निर्णय करें कि कौन सा/से निष्कर्ष तर्कसंगत रूप से इन कथनों का अनुसरण करता है / करते हैं।

कथन:

1. सभी कारें, मोटरें हैं।

2. सभी मोटरें, साइकिलें हैं।

निष्कर्ष:

I. सभी साइकिलें, कारें हैं।

II. सभी कारें, साइकिलें हैं।

Ans

✗ 1. केवल निष्कर्ष I अनुसरण करता है।

✗ 2. न तो निष्कर्ष I और न ही निष्कर्ष II अनुसरण करता है।

✔ 3. केवल निष्कर्ष II अनुसरण करता है।

✗ 4. निष्कर्ष I और II दोनों अनुसरण करते हैं।

Question ID : **8161612881**
Status : **Answered**
Chosen Option : **4**

Q.9 Which letter will replace the question mark (?) to complete the following series?

F, I, M, ?, X

Ans

✗ 1. Q

✗ 2. T

✔ 3. R

✗ 4. S

Question ID : **8161612871**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

12 : 64

Ans

✗ 1. 13 : 65

✗ 2. 11 : 56

✗ 3. 16 : 76

✔ 4. 14 : 72

Question ID : **8161612866**
Status : **Answered**
Chosen Option : **4**

Q.11 Which letter-cluster will replace the question mark (?) to complete the following series?

PGD, SEE, VCF, ?, ?

Ans
   ✗ 1. YAD, BYH
   ✓ 2. YAG, BYH
   ✗ 3. ZBD, CYI
   ✗ 4. YAH, BZH

Question ID : **8161612876**
Status : **Answered**
Chosen Option : **2**

Q.12 In a certain code language, TIFFIN is coded as 67 and BOX is coded as 44. How will CARDBOARD be coded as in that language?

Ans
   ✓ 1. 69
   ✗ 2. 67
   ✗ 3. 66
   ✗ 4. 64

Question ID : **8161612873**
Status : **Answered**
Chosen Option : **1**

Q.13 एक महिला का परिचय देते हुए, रमन ने कहा, "ये मेरे पिताजी के ससुर की पत्नी हैं"। उस महिला का रमन से क्या संबंध है?

Ans
   ✗ 1. मौसी
   ✓ 2. नानी
   ✗ 3. दादी
   ✗ 4. सास

Question ID : **8161612877**
Status : **Answered**
Chosen Option : **2**

Q.14 'अंपायर' का 'पिच' से वही संबंध है जो 'मेकेनिक' का '_____' से है।

Ans
   ✗ 1. मशीन
   ✗ 2. पान (स्पैनर)
   ✗ 3. मरम्मत
   ✓ 4. गैराज

Question ID : **8161612875**
Status : **Answered**
Chosen Option : **4**

Q.15 How many triangles are present in the following figure?
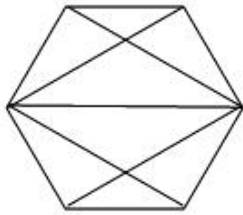
Ans   ✗ 1. 14

    ✓ 2. 16

    ✗ 3. 18

    ✗ 4. 12

Question ID : **8161612884**
Status : **Answered**
Chosen Option : **1**

Q.16 Select the number that can replace the question mark (?) in the following series.
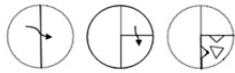
2, 2, 6, 10, 22, 42, ?

Ans   ✓ 1. 86

    ✗ 2. 84

    ✗ 3. 64

    ✗ 4. 82

Question ID : **8161612869**
Status : **Answered**
Chosen Option : **4**

Q.17 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.
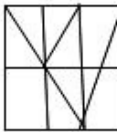
✗ 4.

Question ID : **8161612886**
Status : **Answered**
Chosen Option : **2**

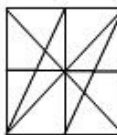**Q.18** उस विकल्प का चयन करें जिसमें दी गई आकृति अंतर्निहित है। (घुमाने की अनुमति नहीं है)
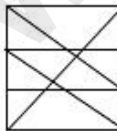

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Question ID : **8161612885**
Status : **Not Answered**
Chosen Option : **--**

Q.19 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

150	25	100
132	22	88
162	?	108

Ans

✗ 1. 29

✔ 2. 27

✗ 3. 24

✗ 4. 30

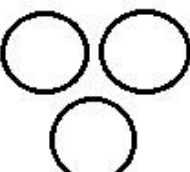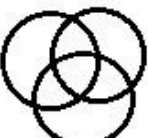Question ID : **8161612864**
Status : **Not Answered**
Chosen Option : **--**

Q.20 उस वेन आरेख का चयन करें जो दिए गए वर्गों के बीच के संबंध को सर्वोत्तम ढंग से दर्शाता है।

फल, खाद्य पदार्थ, कुकीज़

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **8161612888**
Status : **Answered**
Chosen Option : **4**

Q.21 If '+' means '÷' ; '×' means '-'; '÷' means '+' and '-' means '×'. Then find the value of following expression.

18 + 2 − 5 × 6 ÷ 4 = ?

Ans
❌ 1. 47
✅ 2. 43
❌ 3. 45
❌ 4. 12.5

Question ID : **8161612870**
Status : **Answered**
Chosen Option : **2**

Q.22 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans
❌ 1. NKHEB
❌ 2. SPMJG
✅ 3. FHLQR
❌ 4. UROLI

Question ID : **8161612879**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the option figure that will come next in the following series.

Ans
❌ 1.
❌ 2.
❌ 3.
✅ 4.

Question ID : **8161612883**
Status : **Answered**
Chosen Option : **4**

Q.24 Which two signs should be interchanged in the following equation to make it correct?

$78 \div 6 \times 4 - 3 + 9 = 10$

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

Question ID : **8161612865**
Status : **Answered**
Chosen Option : **2**

Q.25 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans
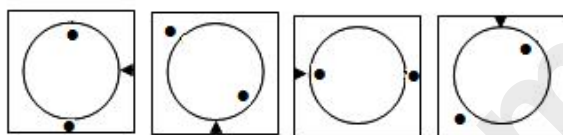✗ 1. ILPU
✔ 2. YVRO
✗ 3. ORVA
✗ 4. ADHM

Question ID : **8161612880**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude(Basic Arithmetic Skill)**

Q.1 एक कक्षा में, यदि विद्यार्थियों में से 60%, लड़के हैं तथा लड़कियों की संख्या 36 है,तो लड़कों की संख्या ज्ञात करें।

Ans
✗ 1. 58
✗ 2. 60
✔ 3. 54
✗ 4. 65

Question ID : **8161612894**
Status : **Answered**
Chosen Option : **3**

Q.2 The factors of the expression $2x^2 - 5x - 12$ are:

Ans
✗ 1. $(x + 4)$ and $(2x + 3)$
✗ 2. $(x + 4)$ and $(2x - 3)$
✔ 3. $(x - 4)$ and $(2x + 3)$
✗ 4. $(x - 4)$ and $(2x - 3)$

Question ID : **8161612903**
Status : **Answered**
Chosen Option : **3**

Q.3 यदि a और b दो धनात्मक वास्तविक संख्याएँ इस प्रकार हैं कि $a + b = 20$ और $ab = 4$ है, तो $a^3 + b^3$ का मान ज्ञात करें।

Ans　✗ 1. 240

　　✔ 2. 7760

　　✗ 3. 8000

　　✗ 4. 8240

Question ID : **8161612904**
Status : **Answered**
Chosen Option : **1**

Q.4 The value of $27 + [3(50 - 20) + 168 \div 4 + 2 - 11 \times 2]$ is :

Ans　✗ 1. 245

　　✗ 2. 149

　　✔ 3. 139

　　✗ 4. 239

Question ID : **8161612906**
Status : **Answered**
Chosen Option : **3**

Q.5 मोहन स्कूटर से 30 km/h की चाल से 2.5 km की दूरी तय करता है। मोहन द्वारा इस दूरी को तय करने में लगा समय मिनटों में क्या होगा?

Ans　✗ 1. 8

　　✔ 2. 5

　　✗ 3. 10

　　✗ 4. 6

Question ID : **8161612890**
Status : **Answered**
Chosen Option : **2**

Q.6 The given bar graph represents the pass percentage of the 10th and 12th classes of a school during the consecutive four year period 2016-2019.

What is the average of pass percentage of the 10th class for all four years?

Ans

✔ 1. 63.75%

✘ 2. 65.75%

✘ 3. 63.25%

✘ 4. 65.25%

Question ID : **8161612910**
Status : **Not Answered**
Chosen Option : **--**

Q.7 $\frac{cosx}{1+sinx} + \frac{1+sinx}{cosx}$ is equal to:

Ans

✘ 1. $2cosx$

✘ 2. $2cosecx$

✔ 3. $2secx$

✘ 4. $2sinx$

Question ID : **8161612908**
Status : **Answered**
Chosen Option : **2**

Q.8 एक गोलाकार शंकु की त्रिज्या 6 cm तथा इसकी ऊंचाई 7 cm है। तो इस शंकु का आयतन cm^3 में क्या होगा?

(मान लें $\pi = \frac{22}{7}$)

Ans

✘ 1. 154

✘ 2. 216

✘ 3. 188

✔ 4. 264

Question ID : **8161612891**
Status : **Answered**
Chosen Option : **4**

Q.9 अगर एक टीवी सेट का अंकित मूल्य ₹24,500 है, तो इस पर 12% की छूट के बाद इसका विक्रय मूल्य क्या होगा?

Ans
✔ 1. ₹21,560
✘ 2. ₹21,650
✘ 3. ₹21,640
✘ 4. ₹21,460

Question ID : **8161612893**
Status : **Answered**
Chosen Option : **4**

Q.10 If $cosx = \frac{p}{q}$ and $0° < x < 90°$, then the value of $tanx$ is:

Ans
✘ 1. $\frac{q}{\sqrt{q^2-p^2}}$

✘ 2. $\frac{\sqrt{q^2-p^2}}{q}$

✘ 3. $\frac{p}{\sqrt{p^2-q^2}}$

✔ 4. $\frac{\sqrt{q^2-p^2}}{p}$

Question ID : **8161612907**
Status : **Not Answered**
Chosen Option : **--**

Q.11 ₹4,000 का चक्रवृद्धि ब्याज, तीन वर्षों के बाद ₹630.50 हो जाता है, तो वार्षिक रूप से चक्रवृद्धि ब्याज दर क्या होगी?

Ans
✘ 1. 7%
✔ 2. 5%
✘ 3. 6%
✘ 4. 8%

Question ID : **8161612897**
Status : **Not Answered**
Chosen Option : **--**

Q.12 If 7129p465 is divisible by 9, then the value of p is:

Ans
✔ 1. 2
✘ 2. 3
✘ 3. 0
✘ 4. 4

Question ID : **8161612905**
Status : **Answered**
Chosen Option : **1**

Q.13 एक वृत्त का केंद्र O है। उसके बाहर स्थित किसी बिंदु A से दो स्पर्शरेखाएँ AP और AQ खींची जाती हैं। यदि ∠POQ = 118° है, तो ∠PAQ की माप क्या होगी?

Ans

✗ 1. 112°

✔ 2. 62°

✗ 3. 72°

✗ 4. 98°

Question ID : **8161612898**
Status : **Answered**
Chosen Option : **2**

Q.14 If $sinx - cosx = 0, 0° < x < 90°$ then the value of $(secx + cosecx)^2$ is:

Ans

✔ 1. 8

✗ 2. 10

✗ 3. 6

✗ 4. 4

Question ID : **8161612909**
Status : **Answered**
Chosen Option : **4**

Q.15 15 पेनों का क्रय मूल्य, 20 पेनों के विक्रय मूल्य के बराबर है। हानि या लाभ प्रतिशत क्या है।

Ans

✗ 1. 25% लाभ

✗ 2. 20% लाभ

✗ 3. 20% हानि

✔ 4. 25% हानि

Question ID : **8161612895**
Status : **Answered**
Chosen Option : **1**

Q.16 In ∆PQR, the side QR is extended to S such that RS = PR. If ∠QPS = 110° and ∠PRQ = 70°, then the value of ∠PQR is:
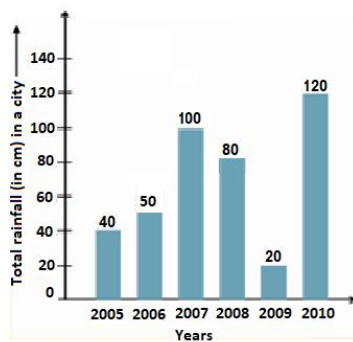
Ans

✗ 1. 50°

✗ 2. 40°

✗ 3. 45°

✔ 4. 35°

Question ID : **8161612901**
Status : **Not Answered**
Chosen Option : **--**

Q.17 The given graph represents the rainfall (in cm) in a city, over a period of six years. Study the graph and answer the question that follows.

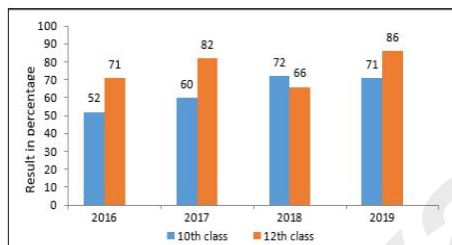In which two consecutive years was the difference of the rainfall minimum?

Ans   ✔ 1. 2005 - 2006

   ✘ 2. 2007 - 2008

   ✘ 3. 2006 - 2007

   ✘ 4. 2008 - 2009

Question ID : **8161612911**
Status : **Not Answered**
Chosen Option : **--**

Q.18 The given bar graph represents the pass percentage of 10th and 12th classes of a school during the consecutive four year period 2016-2019.

What is the average percentage of the failed students of the 12th class for all four years?

Ans   ✘ 1. 23%

   ✘ 2. 25.75%

   ✔ 3. 23.75%

   ✘ 4. 25.25%

Question ID : **8161612912**
Status : **Not Answered**
Chosen Option : **--**

Q.19 5 cm त्रिज्या वाले एक वृत्त में, दो बराबर लंबाई वाली समांतर जीवाएं एक दूसरे से 6 cm की दूरी पर, वृत्त के केंद्र के विपरीत भागों में स्थित हैं। प्रत्येक जीवा की लंबाई (cm में) ज्ञात करें।
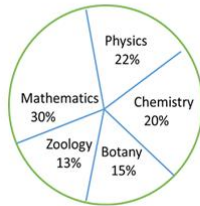
Ans ✔ 1. 8

✘ 2. 12

✘ 3. 10

✘ 4. 6

Question ID : **8161612899**
Status : **Answered**
Chosen Option : **1**

Q.20 Study the given pie-chart and table carefully and answer the question that follows. The percentage-wise distribution of lecturers in five different subjects in a university is shown in the pie-chart. The total number of lecturers is 500.

Ratio of male to female lecturers:

Lecturers	Males : Females
Mathematics	7 : 3
Physics	2 : 3
Chemistry	4 : 1
Botany	3 : 5
Zoology	2 : 5

Find the number of male lecturers in Physics.

Ans ✘ 1. 46

✘ 2. 42

✘ 3. 40

✔ 4. 44

Question ID : **8161612913**
Status : **Not Answered**
Chosen Option : **--**

Q.21 यदि ₹800 की राशि को रवि, मोहन और गोविंद में 2 : 5 : 3 के अनुपात में बांटा जाता है, तो मोहन और गोविंद को मिली राशि का योग क्या होगा?

Ans ✘ 1. ₹240

✘ 2. ₹560

✘ 3. ₹400

✔ 4. ₹640

Question ID : **8161612896**
Status : **Answered**
Chosen Option : **3**

Q.22 पांच विषयों में रवि का औसत प्राप्तांक 150 है, लेकिन गणना करते समय त्रुटि के कारण गणित में मिले 43 अंक को 23 पढ़ लिया गया। सही औसत ज्ञात करें।

Ans
- ✔ 1. 154
- ✘ 2. 160
- ✘ 3. 148
- ✘ 4. 150

Question ID : **8161612892**
Status : **Not Answered**
Chosen Option : **--**

Q.23 In a ΔABC, $\angle ABC = 2\angle CAB$, If the side BC is extended to D and $\angle ACD = 126°$, then $\angle CAB$ is:

Ans
- ✔ 1. 42°
- ✘ 2. 36°
- ✘ 3. 84°
- ✘ 4. 63°

Question ID : **8161612900**
Status : **Not Answered**
Chosen Option : **--**

Q.24 नल A एक टैंक को 6 घंटे में भर सकता है, जबकि नल B इसी टैंक को 10 घंटे में खाली कर सकता है। यदि दोनों नलों को एक साथ खोल दिया जाए, तो टैंक को भरने में कितना समय (घंटों में) लगेगा?

Ans
- ✘ 1. 16
- ✔ 2. 15
- ✘ 3. 18
- ✘ 4. 20

Question ID : **8161612889**
Status : **Answered**
Chosen Option : **2**

Q.25 The area of a rectangle is $a^2 - b^2$ and its length is $a + b$, what will be its breadth?

Ans
- ✘ 1. ab
- ✔ 2. $a - b$
- ✘ 3. $a + b$
- ✘ 4. $2ab$

Question ID : **8161612902**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 जनवरी 2020 में, किसे झारखंड विधानसभा अध्यक्ष के रूप में चुना गया था?

Ans

✗ 1. स्टीफन मरांडी

✗ 2. चंपई सोरेन

✗ 3. द्रौपदी मुर्मू

✓ 4. रबींद्र नाथ महतो

Question ID : **8161612918**
Status : **Answered**
Chosen Option : **2**

Q.2 निम्नलिखित में से कौन-सा कथन सही है?

Ans

✓ 1. राष्ट्रपति अपना त्यागपत्र उप-राष्ट्रपति को सौंपते हैं।

✗ 2. राष्ट्रपति अपना त्यागपत्र लोकसभा अध्यक्ष को सौंपते हैं।

✗ 3. राष्ट्रपति अपना त्यागपत्र प्रधानमंत्री को सौंपते हैं।

✗ 4. राष्ट्रपति अपना त्यागपत्र भारत के मुख्य न्यायाधीश को सौंपते हैं।

Question ID : **8161612935**
Status : **Answered**
Chosen Option : **1**

Q.3 In which of the following years did Sarojini Naidu preside over the Indian National Congress session?

Ans

✓ 1. 1925

✗ 2. 1935

✗ 3. 1945

✗ 4. 1915

Question ID : **8161612931**
Status : **Not Answered**
Chosen Option : **--**

Q.4 गाथागीत (ballad singing) की एक शैली 'दस्कठिया' (Daskathia) किस राज्य में प्रचलित है?

Ans

✗ 1. सिक्किम

✗ 2. तेलंगाना

✗ 3. गोवा

✓ 4. ओड़िशा

Question ID : **8161612916**
Status : **Answered**
Chosen Option : **4**

Q.5 अगस्त 2019 में, सब-जूनियर बॉयज (अंडर-14) श्रेणी में 'सुब्रतो कप अंतरराष्ट्रीय फुटबॉल टूर्नामेंट' का डायमंड जुबली एडिशन किसने जीता था?

Ans ✗ 1. बांग्लादेश की क्रिड़ा शिक्षा प्रतिष्ठान ने

✓ 2. मिज़ोरम के सैदान सेकेंडरी स्कूल ने

✗ 3. चंडीगढ़ के गवर्नमेंट मॉडल हाई स्कूल ने

✗ 4. मणिपुर की यूनिक मॉडल अकादमी ने

Question ID : **8161612937**
Status : **Answered**
Chosen Option : **4**

Q.6 15 जनवरी 2020 तक, किस देश की क्रिकेट टीम, ICC मेन्स ODI टीम रैंकिंग में पहले स्थान पर काबिज थी?

Ans ✗ 1. न्यू जीलैंड

✗ 2. दक्षिण अफ्रीका

✗ 3. भारत

✓ 4. इंग्लैंड

Question ID : **8161612936**
Status : **Answered**
Chosen Option : **3**

Q.7 Which of the following movies won the Golden Globe 2020 award for 'Best Motion Picture – Drama'?

Ans ✗ 1. The Irishman

✓ 2. 1917

✗ 3. Joker

✗ 4. The Two Popes

Question ID : **8161612920**
Status : **Answered**
Chosen Option : **2**

Q.8 साल, सागौन, नीम और शीशम (फर्नीचर, परिवहन और निर्माण सामग्री बनाने के लिए उपयोगी) जैसी सख्त लकड़ी वाले वृक्ष किस प्रकार के वन में पाए जाते हैं?

Ans ✓ 1. उष्णकटिबंधीय पर्णपाती वन (Tropical Deciduous Forests)

✗ 2. समशीतोष्ण पर्णपाती वन (Temperate Deciduous Forests)

✗ 3. शंकुधारी वन (Coniferous Forests)

✗ 4. भूमध्यसागरीय पेड़-पौधे (Mediterranean Vegetation)

Question ID : **8161612929**
Status : **Answered**
Chosen Option : **1**

Q.9 संविधान के 91वें संशोधन अधिनियम, 2003 के अनुसार किसी राज्य के मंत्रिपरिषद में मुख्यमंत्री सहित मंत्रियों की कुल संख्या, उस राज्य की विधानसभा के सदस्यों की कुल संख्या के _____ से अधिक नहीं होनी चाहिए।

Ans   ✗ 1. 10%

       ✗ 2. 25%

       ✗ 3. 20%

       ✓ 4. 15%

Question ID : **8161612934**
Status : **Not Answered**
Chosen Option : **--**

Q.10 To whom did Mahatma Gandhi give the title 'Deen Bandhu'?

Ans   ✗ 1. Abdul Ghaffar Khan

       ✓ 2. CF Andrews

       ✗ 3. Rajendra Prasad

       ✗ 4. Rabindra Nath Tagore

Question ID : **8161612930**
Status : **Answered**
Chosen Option : **2**

Q.11 Who among the following won 'ICC Women's ODI Cricketer of the Year 2019'?

Ans   ✓ 1. Ellyse Perry

       ✗ 2. Smriti Mandhana

       ✗ 3. Chanida Sutthiruang

       ✗ 4. Alyssa Healy

Question ID : **8161612933**
Status : **Answered**
Chosen Option : **4**

Q.12 Which of the following animals is used for transport in Tibet?

Ans   ✓ 1. Yak

       ✗ 2. Bullock

       ✗ 3. Camel

       ✗ 4. Llama

Question ID : **8161612926**
Status : **Answered**
Chosen Option : **1**

Q.13 As of 15 January 2020, who among the following was the Number one ranked women tennis player in the WTA rankings?

Ans ✗ 1. Serena Williams

✗ 2. Karolína Plíšková

✗ 3. Simona Halep

✓ 4. Ashleigh Barty

Question ID : **8161612938**
Status : **Answered**
Chosen Option : **1**

Q.14 In the context of computing, a byte is equal to _____ bits.

Ans ✓ 1. 8

✗ 2. 16

✗ 3. 24

✗ 4. 4

Question ID : **8161612914**
Status : **Answered**
Chosen Option : **1**

Q.15 The _____ layer starts at Earth's surface and extends 8 to 14.5 km high (5 to 9 miles). This part of the atmosphere is the densest and almost all weather is in this region.

Ans ✓ 1. Troposphere

✗ 2. Ionosphere

✗ 3. Mesosphere

✗ 4. Stratosphere

Question ID : **8161612928**
Status : **Answered**
Chosen Option : **4**

Q.16 Which among the following is a vaccine developed by CSIR, Ministry of Science and Technology for Johne's disease affecting sheep, Goat, Cow and Buffalo so as to immunize them and increase milk and meat production ?

Ans ✗ 1. DIVA (Differentiating Infected from Vaccinated Animals)

✗ 2. Porcine Parvovirus vaccine

✗ 3. Infectious Bovine Rhinotracheitis vaccine

✓ 4. JD Vaccine

Question ID : **8161612925**
Status : **Not Answered**
Chosen Option : **--**

Q.17 निम्नलिखित में से कौन हृदय से गुर्दों तक रक्त पहुंचाती है?

Ans
✗ 1. कोरोनरी धमनी

✗ 2. वेना कावा

✔ 3. वृक्क धमनी

✗ 4. वृक्क शिरा

Question ID : **8161612924**
Status : **Answered**
Chosen Option : **3**

Q.18 जनवरी 2020 में, गोवा राज्य सरकार द्वारा क्या सुनिश्चित करने के लिए 'स्वास्थ्य सखी परियोजना' प्रारंभ की गई?

Ans
✔ 1. महिलाओं का स्वास्थ्य और कल्याण

✗ 2. ग्रामीण पुरुषों या महिलाओं का स्वास्थ्य और कल्याण

✗ 3. नवजात शिशुओं का संपूर्ण स्वास्थ्य

✗ 4. नवजात बच्चियों का संपूर्ण स्वास्थ्य

Question ID : **8161612919**
Status : **Answered**
Chosen Option : **1**

Q.19 Who among the following won the 'Golden Globe 2020' award for 'Best Performance by an Actor in a Motion Picture – Drama'?

Ans
✗ 1. Jonathan Pryce

✗ 2. John David Washington

✗ 3. Lucas Hedges

✔ 4. Joaquin Phoenix

Question ID : **8161612932**
Status : **Answered**
Chosen Option : **4**

Q.20 Which of the following is a type of memory and is similar to RAM? It is used by computers to move data between the RAM and the CPU.

Ans
✗ 1. I Beam

✗ 2. ROM

✗ 3. Hypertext Link

✔ 4. Cache

Question ID : **8161612915**
Status : **Answered**
Chosen Option : **2**

Q.21 Tagore Centre for the Study of Culture and Civilization is located in _____.

Ans   ✗ 1. West Bengal

     ✓ 2. Himachal Pradesh

     ✗ 3. Andhra Pradesh

     ✗ 4. Madhya Pradesh

> Question ID : **8161612917**
> Status : **Answered**
> Chosen Option : **1**

Q.22 Which of the following environmental movements/conflicts of India was directly related to the prevention of felling of trees?

Ans   ✓ 1. Chipko Movement

     ✗ 2. Save Silent Valley Movement

     ✗ 3. Tehri Dam Conflict

     ✗ 4. Narmada Bachao Andolan

> Question ID : **8161612927**
> Status : **Answered**
> Chosen Option : **1**

Q.23 भारत में मौद्रिक नीति कौन बनाता है?

Ans   ✗ 1. नीति (NITI) आयोग

     ✗ 2. सांख्यिकी और कार्यक्रम कार्यान्वयन मंत्रालय

     ✗ 3. भारतीय वित्त आयोग

     ✓ 4. भारतीय रिजर्व बैंक

> Question ID : **8161612921**
> Status : **Answered**
> Chosen Option : **2**

Q.24 Goods and Services Tax (GST) was enacted by Parliament vide _____Constitutional Amendment Act, 2016 on 8th September 2016.

Ans   ✗ 1. 105th

     ✓ 2. 101st

     ✗ 3. 103rd

     ✗ 4. 107th

> Question ID : **8161612922**
> Status : **Answered**
> Chosen Option : **2**

Q.25 रॉबर्ट के खेतों की मिट्टी रेतीली है। उसके खेत के लिए आदर्श फसल कौन-सी होगी?

Ans   ✗ 1. गेहूँ

     ✔ 2. मक्का

     ✗ 3. पत्ता गोभी

     ✗ 4. चना

Question ID : **8161612923**
Status : **Answered**
Chosen Option : **2**