Combined Higher Secondary Level Examination 2021 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Baruipur
Exam Date	09/06/2022
Exam Time	12:30 PM - 1:30 PM
Subject	CHSL 2021 Tier I

Section : **English Language**

Q.1 Select the most appropriate ANTONYM of the underlined word in the following sentence.
You have made only perfunctory attempts to understand me!

Ans ✗ 1. adamant

✓ 2. careful

✗ 3. basic

✗ 4. casual

Question ID : **26433042839**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Select the most appropriate meaning of the given idiom.

Be under a cloud

Ans ✗ 1. To be very happy

✗ 2. To be gloomy

✓ 3. To be untrustworthy

✗ 4. To have a hidden talent

Question ID : **26433043193**
Status : **Not Answered**
Chosen Option : **--**

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

Imprisonment

Ans ✗ 1. Incapacitation

✓ 2. Incarceration

✗ 3. Inarch

✗ 4. Imputation

Question ID : **26433043128**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Select the most appropriate meaning of the given idiom.

Hit the sack

Ans   ✗ 1. Miss the mark

  ✗ 2. Confirm the target

  ✗ 3. Complete the assignment

  ✓ 4. Go to sleep

Question ID : **26433043066**
Status : **Answered**
Chosen Option : **2**

Q.5 Select the INCORRECTLY spelt word.

Ans   ✗ 1. Hallucinate

  ✗ 2. Hiatus

  ✓ 3. Sacrilage

  ✗ 4. Launderette

Question ID : **26433039059**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Select the most appropriate meaning of the given idiom.
In queer street

Ans   ✗ 1. Among scoundrels

  ✗ 2. In prison

  ✗ 3. Lost your way

  ✓ 4. In debt

Question ID : **26433039989**
Status : **Not Answered**
Chosen Option : **--**

Q.7 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
When we got / to the train station, / the Rajdhani Express / had already been leaving.

Ans   ✗ 1. the Rajdhani Express

  ✗ 2. When we got

  ✓ 3. had already been leaving

  ✗ 4. to the train station

Question ID : **26433039739**
Status : **Answered**
Chosen Option : **3**

Q.8 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The students / and the teachers / worked hardly / to make the event a success.

Ans   ✗ 1. and their teachers

  ✓ 2. worked hardly

  ✗ 3. The students

  ✗ 4. to make the event a success

Question ID : **26433039684**
Status : **Answered**
Chosen Option : **4**

Q.9 Select the option that will improve the underlined part of the given sentence.
I <u>guessed her feelings</u> when she started crying.

Ans ✔ 1. estimated her emotions

✘ 2. estimated her rejoinders

✘ 3. estimated her reactions

✘ 4. estimated her ripostes

Question ID : **26433045399**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the option that expresses the given sentence in passive voice.
His friends arranged for the ambulance and took him immediately to the hospital.

Ans ✘ 1. His friends would have arranged for the ambulance and taken him immediately to the hospital.

✘ 2. His friends were arranged for the ambulance and taken him immediately to the hospital.

✘ 3. The ambulance arranged for his friends and took him immediately to the hospital.

✔ 4. The ambulance was arranged for by his friends and he was immediately taken to the hospital.

Question ID : **26433040074**
Status : **Answered**
Chosen Option : **4**

Q.11 Complete the collocation.
When we met first it was very difficult to _____ the ice.

Ans ✘ 1. smash

✘ 2. burst

✔ 3. break

✘ 4. shatter

Question ID : **26433042882**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the most appropriate option to fill in the blank
Tagore and Gandhi were undoubtedly the two outstanding and _____ figures of India in the first half of twentieth century.

Ans ✔ 1. dominating

✘ 2. activating

✘ 3. resuming

✘ 4. appreciating

Question ID : **26433039942**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the option that can be used as a one-word substitute for the underlined group of words.
Raman is finding it difficult to adjust as he has come to a different country from his own country for settling

Ans ✗ 1. Pilgrim

✔ 2. Immigrant

✗ 3. Globetrotter

✗ 4. Gypsy

Question ID : **26433045574**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Select the INCORRECTLY spelt word.

Ans ✗ 1. Effervescent

✗ 2. Unorganised

✗ 3. Efficient

✔ 4. Scaleable

Question ID : **26433045523**
Status : **Answered**
Chosen Option : **1**

Q.15 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
A.They also resolved to impose restrictions on the Russian central bank's ability to access and deploy the country's 'war chest' of an estimated $630 billion in foreign exchange reserves.
B.Saturday's announcement by the US, the UK and European allies, including France and Germany, of a raft of 'further restrictive economic measures' to increase the costs on Russia for its invasion of Ukraine has just raised the risks of a more widespread economic fallout from this war.
C.The immediate impact of these moves on Russia's economy and financial markets have manifested in a sharp depreciation in the value of the Rouble.
D.With a view to further isolating Russia from the international financial system, the Western allies decided to block 'selected' Russian banks from the SWIFT messaging system that banks and financial institutions use to validate and complete international payment transactions.

Ans ✔ 1. BDAC

✗ 2. BACD

✗ 3. ABCD

✗ 4. DBAC

Question ID : **26433039076**
Status : **Not Answered**
Chosen Option : **--**

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

Ans ✗ 1. Regularize

✗ 2. Labor

✗ 3. Particularize

✔ 4. Purify

Question ID : **26433045447**
Status : **Not Answered**
Chosen Option : **--**

Q.17 Select the most appropriate synonym of the given word.
Exorcise

Ans ✗ 1. Invent

✓ 2. Expel

✗ 3. Introduce

✗ 4. Expect

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Who is talking in the phone?

Ans ✗ 1. for

✓ 2. on

✗ 3. with

✗ 4. at

Q.19 Select the most appropriate ANTONYM of the underlined word in the following sentence.
You can sleep here but this bed is squalid and wet.

Ans ✗ 1. disorderly

✗ 2. uncomfortable

✓ 3. clean

✗ 4. painful

Q.20 Select the INCORRECTLY spelt word.

Ans ✗ 1. Loquacity

✓ 2. Athiest

✗ 3. Intrepid

✗ 4. Affluence

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Union Budget, 2018-19, has proposed to treat school education holistically without (1)_____ from pre-nursery to Class 12. Samagra Shiksha - an overarching programme for the school education sector extending from pre-school to class 12 has been, therefore, (2) _____ with the broader goal of improving school effectiveness measured in terms of equal opportunities (3) _____ schooling and equitable learning outcomes. The Goal SDG-4.1 states that, "By 2030, ensure that all boys and girls complete free, equitable and quality primary and secondary education (4) _____ to relevant and effective learning outcomes". Further the SDG 4.5 states that, "By 2030, eliminate gender (5)_____ in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations".

SubQuestion No : 21

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

Ans ✗ 1. attachment

✔ 2. segmentation

✗ 3. accord

✗ 4. agreement

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Union Budget, 2018-19, has proposed to treat school education holistically without (1)_____ from pre-nursery to Class 12. Samagra Shiksha - an overarching programme for the school education sector extending from pre-school to class 12 has been, therefore, (2) _____ with the broader goal of improving school effectiveness measured in terms of equal opportunities (3) _____ schooling and equitable learning outcomes. The Goal SDG-4.1 states that, "By 2030, ensure that all boys and girls complete free, equitable and quality primary and secondary education (4) _____ to relevant and effective learning outcomes". Further the SDG 4.5 states that, "By 2030, eliminate gender (5)_____ in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations".

SubQuestion No : 22

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

Ans ✔ 1. prepared

✗ 2. prepares

✗ 3. preparing

✗ 4. prepare

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Union Budget, 2018-19, has proposed to treat school education holistically without (1)_____ from pre-nursery to Class 12. Samagra Shiksha - an overarching programme for the school education sector extending from pre-school to class 12 has been, therefore, (2)_____ with the broader goal of improving school effectiveness measured in terms of equal opportunities (3)_____ schooling and equitable learning outcomes. The Goal SDG-4.1 states that, "By 2030, ensure that all boys and girls complete free, equitable and quality primary and secondary education (4)_____ to relevant and effective learning outcomes". Further the SDG 4.5 states that, "By 2030, eliminate gender (5)_____ in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations".

SubQuestion No : 23

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

Ans ✔ 1. for

✘ 2. to

✘ 3. on

✘ 4. at

Question ID : **26433045811**
Status : **Not Answered**
Chosen Option : **--**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Union Budget, 2018-19, has proposed to treat school education holistically without (1)_____ from pre-nursery to Class 12. Samagra Shiksha - an overarching programme for the school education sector extending from pre-school to class 12 has been, therefore, (2)_____ with the broader goal of improving school effectiveness measured in terms of equal opportunities (3)_____ schooling and equitable learning outcomes. The Goal SDG-4.1 states that, "By 2030, ensure that all boys and girls complete free, equitable and quality primary and secondary education (4)_____ to relevant and effective learning outcomes". Further the SDG 4.5 states that, "By 2030, eliminate gender (5)_____ in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations".

SubQuestion No : 24

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

Ans ✘ 1. to be leading

✔ 2. leading

✘ 3. leads

✘ 4. lead

Question ID : **26433045812**
Status : **Not Answered**
Chosen Option : **--**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The Union Budget, 2018-19, has proposed to treat school education holistically without (1)_____ from pre-nursery to Class 12. Samagra Shiksha - an overarching programme for the school education sector extending from pre-school to class 12 has been, therefore, (2)_____ with the broader goal of improving school effectiveness measured in terms of equal opportunities (3)_____ schooling and equitable learning outcomes. The Goal SDG-4.1 states that, "By 2030, ensure that all boys and girls complete free, equitable and quality primary and secondary education (4)_____ to relevant and effective learning outcomes". Further the SDG 4.5 states that, "By 2030, eliminate gender (5)_____ in education and ensure equal access to all levels of education and vocational training for the vulnerable, including persons with disabilities, indigenous peoples and children in vulnerable situations".

SubQuestion No : 25

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

Ans   ✖ 1. agreement

     ✖ 2. harmony

     ✖ 3. similarity

     ✔ 4. disparities

Question ID : **26433045813**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Intelligence**

Q.1 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
All sparrows are peacocks.
Some peacocks are birds.
Conclusions:
I. All birds are sparrow.
II. Some sparrows are not birds.

Ans   ✖ 1. Both conclusions I and II follow

     ✖ 2. Only conclusion I follows

     ✔ 3. Neither conclusion I nor II follows

     ✖ 4. Only conclusion II follows

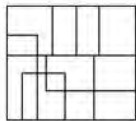Question ID : **26433045141**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.
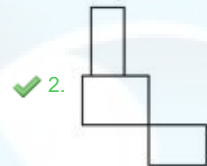PLANK : RMDOM :: TABLE : VBEMG :: ZEBRA : ?

Ans   ✖ 1. BEFSC

     ✖ 2. CFESC

     ✔ 3. BFESC

     ✖ 4. CEFSC

Question ID : **26433043588**
Status : **Answered**
Chosen Option : **3**

Q.3 Select the option that is embedded in the given figure as its part (rotation is NOT allowed).

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.

Q.4 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
34 : 169 :: 42 : 209 :: 28 : ?

Ans ✗ 1. 119

✔ 2. 139

✗ 3. 109

✗ 4. 129

Q.5 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
8 : 48 :: 19 : ? :: 16 : 112

Ans ✔ 1. 136

✗ 2. 142

✗ 3. 145

✗ 4. 138

Q.6 If 31 August 2000 was Friday, then what was the day of the week on 31 August 2009?

Ans ✗ 1. Monday

✔ 2. Tuesday

✗ 3. Wednesday

✗ 4. Friday

Q.7 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation.
14*11*97*67*10

Ans   ✗ 1. +,−,=,×

      ✗ 2. ×,−,=,+

      ✔ 3. ×,−,=,−

      ✗ 4. +,=,−,×

Q.8 Two different positions of the same dice are shown, the six faces of which are marked from U to Z. Select the letter that will be on the face opposite to the one showing 'X'.

Ans   ✗ 1. V

      ✗ 2. Z

      ✗ 3. Y

      ✔ 4. W
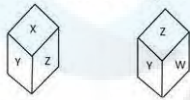
Q.9 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

pr7t14

M ———————— N

Ans   ✗ 1.

      ✔ 2.

      ✗ 3.

      ✗ 4.

Q.10 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row: 58,−28,−90
Second row: −17, 21,−12
Third row: −8,−7, ?
(NOTE: Operations should be performed on the whole numbers, without breaking down the number into its constituent digits. For example, 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans   ✗ 1. 38

      ✔ 2. 45

      ✗ 3. −40

      ✗ 4. −35

Q.11 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

Ans ✔ 1. 4328 : 8324

✘ 2. 2437 : 7342

✘ 3. 3569 : 9653

✘ 4. 1786 : 6871

Q.12 In a certain code language, 'you can do' is written as 'mat hat pat', 'They can work' is written as 'rat pat ant' and 'they do think' is written as 'ant hat cat'. How will 'Think' be written in that language?

Ans ✘ 1. mat

✘ 2. pat

✔ 3. cat

✘ 4. ant

Q.13 In a certain code language, 'PIZZA' is written as 'PZZIA' and 'CHEESE' is written as 'CSEEHE'. How will 'PASTA' be written in that language?

Ans ✘ 1. PTSTA

✘ 2. PTASA

✘ 3. PSTAA

✔ 4. PTSAA

Q.14 Two different positions of the same dice are shown, the six faces of which are marked as P, Q, R, S, T, U. Select the letter that will be on the face opposite to the one showing 'T'.

Ans ✔ 1. U

✘ 2. S

✘ 3. R

✘ 4. P
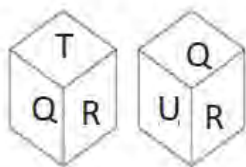
Q.15 Which of the following numbers will replace the question mark (?) in the given series?
9, 12, 21, 36, 57, 84, ?

Ans ✘ 1. 171

✔ 2. 117

✘ 3. 172

✘ 4. 127

Q.16 In a certain code language, "SUIT" is written as "SITU", and "CUTE" is written as "CTEU". How will "WASH" be written in that language?

Ans ✘ 1. WHAS

✔ 2. WSHA

✘ 3. WSAH

✘ 4. HAWS

Q.17 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation.
79 * 2 * 58 * 2 * 14 * 143

Ans ✘ 1. −, +, ÷, ×, =

✘ 2. ÷, ×, −, +, =

✔ 3. ×, −, ÷, +, =

✘ 4. ÷, ×, +, −, =

Q.18 Which letter-cluster will replace the question mark (?) to complete the given series?
AXUV, ?, YZWT, XAXS, WBYR

Ans ✔ 1. ZYVU

✘ 2. CZSV

✘ 3. BZVW

✘ 4. XWUV

Q.19 Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term related to third term.
7689 : 120 :: 6178 : 88 :: 3284 : ?

Ans ✔ 1. 68

✘ 2. 70

✘ 3. 69

✘ 4. 75

Q.20 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

p _ r _ p o _ p o r b _ o _ p o r b _ o r

Ans ✗ 1. o b p p o p

✗ 2. o b o p r p

✗ 3. o b r p r o

✓ 4. o b r p r p

Q.21 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

Ans ✓ 1. 2834 : 18

✗ 2. 8671 : 22

✗ 3. 9876 : 30

✗ 4. 3427 : 16

Q.22 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row: 32, 51, 33
Second row: 28, 33, 25
Third row: 16, 27, ?

(NOTE: Operations should be performed on the whole numbers, without breaking down the number into its constituent digits. For example, 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ✗ 1. 19

✓ 2. 17

✗ 3. 15

✗ 4. 18

Q.23 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

M

k 4 5 d 2 j |

N

Ans

✗ 1. ¡ Zp 2 4 ⋋

✓ 2. ¡ 2 b 2 4 ⋋

✗ 3. ¡ 2 q 2 4 ⋋

✗ 4. ∫ 2 q 2 4 ⋋
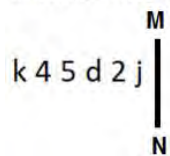
Q.24 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Hypocrisy
2. Hilarious
3. Humidity
4. Highlight
5. Hallucinate
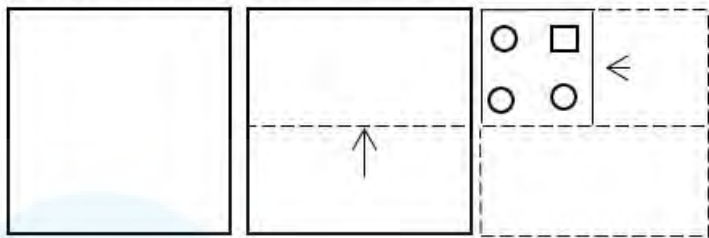
Ans ✗ 1. 5,2,4,3,1

✗ 2. 5,3,4,2,1

✓ 3. 5,4,2,3,1

✗ 4. 5,4,3,2,1

Q.25 A paper is folded and cut as shown. How will it appear when unfolded?

Ans

✗ 1.

✗ 2.

✗ 3.
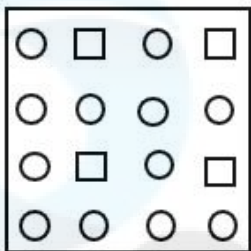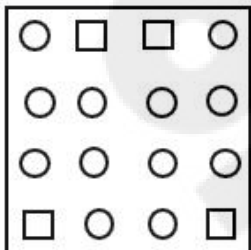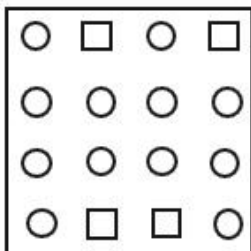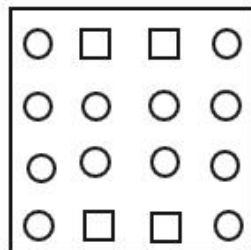
✔ 4.

Section : **Quantitative Aptitude**

Q.1 The difference between a discount of 35% and two successive discounts of 20% and 20% on a certain bill, was ₹22. Find the amount of the bill.

Ans ✗ 1. ₹2,800

✔ 2. ₹2,200

✗ 3. ₹3,200

✗ 4. ₹2,000

Q.2 Riya runs 3/2 times as fast as Prerna. In a race, if Riya gives a lead of 100 m to Prerna, find the distance Riya has to run before both of them meet.
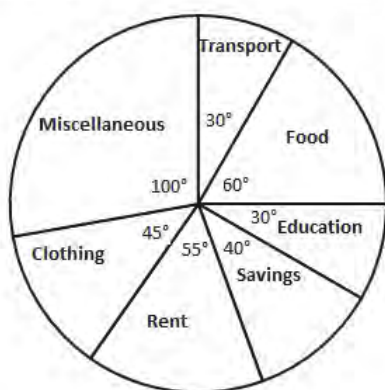
Ans ✗ 1. 315 m

✓ 2. 300 m

✗ 3. 265 m

✗ 4. 240 m

Q.3 Simplify the following: 50% of [6 − {15 − [6 + 8 ÷ (5 − 3)] + 2}]

Ans ✗ 1. 12.5

✓ 2. 1.5

✗ 3. 4

✗ 4. 200

Q.4 The given pie chart presents the monthly expenses on various heads and the savings of Mr. X's family. Study the pie chart and answer the question that follows.

If the total income of Mr. X is ₹1,20,000, then how much does he pay for transport?

Ans ✗ 1. ₹15,000

✗ 2. ₹12,000

✗ 3. ₹20,000

✓ 4. ₹10,000

Q.5 While selling to the retailer, a company allows 30% discount on the marked price of its products. If the retailer sells those products at marked price, his profit per cent will be _____.

Ans

✗ 1. $42\frac{8}{7}\%$

✓ 2. $42\frac{6}{7}\%$

✗ 3. $42\frac{4}{7}\%$

✗ 4. $42\frac{2}{7}\%$

Q.6 A shopkeeper sold an article for ₹1,326 after allowing a discount of 15% on its marked price. Find the marked price of the article.

Ans

✗ 1. ₹1,153

✓ 2. ₹ 1,560

✗ 3. ₹1,525

✗ 4. ₹1,650

Q.7 If (x + 2) and (x − 3) are the factors of $x^2 + k_1x + k_2$, then:

Ans

✗ 1. $k_1 = 1$ and $k_2 = -6$

✓ 2. $k_1 = -1$ and $k_2 = -6$

✗ 3. $k_1 = -1$ and $k_2 = 6$

✗ 4. $k_1 = 1$ and $k_2 = 6$

Q.8 In a right circular cone, the radius of the base is 14 cm and the height is 48 cm. A cross-section is made through the midpoint of the height parallel to the base. The volume of the upper portion is: (Take π=22/7)

Ans

✗ 1. 1102 cm^3

✓ 2. 1232 cm^3

✗ 3. 1120 cm^3

✗ 4. 1442 cm^3

Q.9 On a sum of money, when invested for 2 years, compound interest and simple interest are ₹300 and ₹250, respectively. For both simple and compound interests the rate of interest per annum is the same, and for compound interest, interest is compounded annually. Find the rate of interest per annum.

Ans
✗ 1. 10%

✗ 2. 20%

✔ 3. 40%

✗ 4. 30%

Q.10 Find the greatest possible value of (a + b) for which the 8-digit number 143b203a is divisible by 15.

Ans
✗ 1. 15

✗ 2. 17

✗ 3. 16

✔ 4. 14

Q.11 Gopal travels from A to B at the speed of 5km/h, from B to C at 10 km/h, and from C to D at 15 km/h. If AB = BC = CD, then find Gopal's average speed.

Ans
✔ 1. $8\frac{2}{11}$ km/h

✗ 2. $70\frac{2}{11}$ km/h

✗ 3. $60\frac{2}{11}$ km/h

✗ 4. $9\frac{2}{11}$ km/h

Q.12 P, Q and R are batsmen. The ratio of the runs scored by them in a certain match was P : Q = 16 : 17 and Q : R = 15 : 16. At the end of the match, they scored a total of 956 runs. The number of runs scored by R is (nearest to an integer):

Ans
✗ 1. 440

✗ 2. 335

✔ 3. 339

✗ 4. 430

Q.13 Study the given table and answer the question that follows.

The following table gives the month- wise number of different types of scooters produced by a comapny during the first six months of 1992.

Types of scooters	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
X	25	25	18	40	20	15
Y	25	27	50	45	30	20
Z	25	27	15	25	30	20
T	25	26	25	0	30	35
TOTAL	100	105	108	110	110	90

In which month, did the company produce an equal number of scooters of each type ?

Ans　✗ 1. May

　　　✔ 2. January

　　　✗ 3. March

　　　✗ 4. June

Q.14 The average weight of 8 men is increased by 1.5 kg when one of the men who weighs 65kg is replaced by a new man. The weight of the new man is:

Ans　✗ 1. 71 kg

　　　✗ 2. 87 kg

　　　✗ 3. 81 kg

　　　✔ 4. 77 kg

Q.15 If $k + \left(\dfrac{1}{k}\right) = 2,$ find the value of $8k \times k \times k.$

Ans　✔ 1. 8

　　　✗ 2. 1

　　　✗ 3. 4

　　　✗ 4. 2

Q.16 There is a continuous growth in the population of a village at the rate of 5% per annum. If its present population is 18522, what was the population of the village 3 years ago?

Ans　✗ 1. 17500

　　　✗ 2. 16400

　　　✔ 3. 16000

　　　✗ 4. 17200

Q.17 If 15 boys earn ₹900 in 5 days, then how much will 20 boys earn in 7 days?

Ans
- ✗ 1. ₹1,580
- ✔ 2. ₹1,680
- ✗ 3. ₹1,540
- ✗ 4. ₹1,650

Q.18 In a circle, AB and CD are two diameters which are perpendicular to each other. Find the length of chord AC.

Ans
- ✗ 1. $\sqrt{2}$ CD
- ✔ 2. $\dfrac{AB}{\sqrt{2}}$
- ✗ 3. $\dfrac{CD}{2}$
- ✗ 4. $2\,AB$

Q.19 The expenditure of a company increases by 25%, then increases by 30%, then further decreases by 20%.The overall percentage change in expenditure is:

Ans
- ✗ 1. 10
- ✔ 2. 30
- ✗ 3. 34
- ✗ 4. 22

Q.20 The following table shows the marks (in percentages) obtained by six students in four different subjects in an examination. The maximum marks in each subject is 100.

Student	SUBJECT			
	Physics	Chemistry	Math	Geography
A	85	90	70	80
B	75	75	75	85
C	80	60	75	85
D	90	85	75	90
E	95	90	85	90
F	90	90	95	90

Answer the following questions based on the table:

In which of the following subjects is the average of the percentage marks obtained by the six students the highest?

Ans
- ✗ 1. Maths
- ✔ 2. Geography
- ✗ 3. Chemistry
- ✗ 4. Physics

Q.21 Simplify $\dfrac{(r-s)^3+(s-t)^3+(t-r)^3}{6(r-s)\ (s-t)\ (t-r)}$

Ans

✗ 1. $\dfrac{1}{6}$

✔ 2. $\dfrac{1}{2}$

✗ 3. $\dfrac{1}{3}$

✗ 4. $\dfrac{1}{4}$

Q.22 By using faulty weight, a shopkeeper cheats to the extent of 6% while buying and selling rice. Find his gain percentage (rounded to two decimal places).

Ans

✗ 1. 14.66%

✗ 2. 13.65%

✔ 3. 12.77%

✗ 4. 11.25%

Q.23 The radius of a roller is 14 cm and its length 20 cm. It takes 235 complete revolutions to move once over to level a playground. Find the area of the playground.(Use π=22/7)

Ans

✗ 1. $4136 \, \text{cm}^2$

✗ 2. $4136 \times 10^3 \text{cm}^2$

✗ 3. $41360 \, \text{cm}^2$

✔ 4. $4136 \times 10^2 \text{cm}^2$

Q.24 If α is an acute angle, which of the following options will NOT necessarily be equal to the value of cosec α?

Ans

✔ 1. $\dfrac{1}{\cos\alpha}$

✗ 2. $\sqrt{1+\cot^2\alpha}$

✗ 3. $\dfrac{1}{\sin\alpha}$

✗ 4. $\dfrac{\cot\alpha}{\cos\alpha}$

Q.25 Find the total surface area of a cylinder with diameter of base 28 cm and height 70 cm. (Take π=22/7)

Ans
  ✗ 1. 7300 cm^2

  ✗ 2. 7932 cm^2

  ✗ 3. 8000 cm^2

  ✓ 4. 7392 cm^2

Question ID : **26433039251**
Status : **Not Answered**
Chosen Option : **--**

Section : **General Awareness**

Q.1 M S Subbulakshmi, a legend in India is known for which of the following?

Ans
  ✗ 1. Ghazal music

  ✗ 2. Hindustani music

  ✗ 3. Sufi devotional music

  ✓ 4. Carnatic music

Question ID : **26433044446**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which term is used to describe all living communities on earth, including animals, plants, bacteria, fungi and photosynthetic microbes?

Ans
  ✓ 1. Biosphere

  ✗ 2. Community

  ✗ 3. Habitat

  ✗ 4. Biome

Question ID : **26433044858**
Status : **Not Answered**
Chosen Option : **--**

Q.3 'Waiting for A Visa' is a famous autobiography of _____.

Ans
  ✗ 1. Swami Acchutanand

  ✓ 2. Dr. BR Ambedkar

  ✗ 3. Babu Jagjivan Ram

  ✗ 4. MC Rajah

Question ID : **26433038740**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Who among the following personalities along with his sons played 'Raga for Peace' in the year 2014 at the 'Nobel Peace Prize Concert'?

Ans
  ✗ 1. Pandit Ram Narayan

  ✗ 2. Ustad Bismillah Khan

  ✗ 3. Pandit Hariprasad Chaurasia

  ✓ 4. Ustad Amjad Ali Khan

Question ID : **26433041747**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Who is the author of the historical novel 'Twilight in Delhi'?

Ans
✔ 1. Ahmed Ali

✘ 2. Amrita Pritam

✘ 3. Khushwant Singh

✘ 4. Krishna Sobti

Question ID : **26433039015**
Status : **Not Answered**
Chosen Option : **--**

Q.6 Lalgudi Gopala Iyer Jayaraman used to play which of the following instruments?

Ans
✘ 1. Harmonium

✘ 2. Flute

✘ 3. Mridangam

✔ 4. Violin

Question ID : **26433042240**
Status : **Not Answered**
Chosen Option : **--**

Q.7 'Sea of Poppies' is a novel written by which of the following writers?

Ans
✔ 1. Amitav Ghosh

✘ 2. Shashi Tharoor

✘ 3. Manohar Malgonkar

✘ 4. Anuj Dhar

Question ID : **26433042225**
Status : **Not Answered**
Chosen Option : **--**

Q.8 Which Article of the Indian Constitution deals with the definition of the Money Bill?

Ans
✘ 1. Article 120

✘ 2. Article 100

✘ 3. Article 115

✔ 4. Article 110

Question ID : **26433039642**
Status : **Not Answered**
Chosen Option : **--**

Q.9 _____ was established between informal groups (SHGs) and formal financial institutions (banks) for catering to the financial needs of the poor.

Ans
✔ 1. SHG–Bank linkage

✘ 2. SIDBI–MFI linkage

✘ 3. NABARD–Bank linkage

✘ 4. SHG–NABARD linkage

Question ID : **26433042128**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Hydroelectric power stations generate electricity by using the force of water that falls into the turbines and spins the shaft. By rotating the shaft of the turbine, the potential energy of water is converted into _____ energy.

Ans ✗ 1. chemical

✗ 2. thermal

✗ 3. gravitational

✔ 4. kinetic

Question ID : **26433044808**
Status : **Answered**
Chosen Option : **4**

Q.11 Which is the highest peak in peninsular India?

Ans ✗ 1. K2

✔ 2. Anai Mudi

✗ 3. Kangchenjunga

✗ 4. Kamet

Question ID : **26433042009**
Status : **Answered**
Chosen Option : **1**

Q.12 Padma Shri awardee Ileana Citaristi, an Italy born Indian dance exponent was conferred the award for her major contribution to which of the following dances?

Ans ✗ 1. Manipuri

✗ 2. Bharatanatyam

✗ 3. Kathak

✔ 4. Odissi

Question ID : **26433041771**
Status : **Not Answered**
Chosen Option : **--**

Q.13 In 1838, who published an article discussing the structure and origin of plant cells?

Ans ✗ 1. Robert Brown

@Qmaths

✗ 2. Rudolf Virchow

✔ 3. Matthias Schleiden

✗ 4. Albert von Kölliker

Question ID : **26433044848**
Status : **Not Answered**
Chosen Option : **--**

Q.14 The famous singer Jagjit Singh is known for which of the following genres?

Ans ✔ 1. Ghazal

✗ 2. Bhajan

✗ 3. Carnatic music

✗ 4. Hindustani music

Question ID : **26433041722**
Status : **Answered**
Chosen Option : **1**

Q.15 The Men's World Boxing Championship 2023 will be hosted by which of the following countries?

Ans ✔ 1. Uzbekistan

✘ 2. Turkmenistan

✘ 3. Kyrgyzstan

✘ 4. Tajikistan

Q.16 _____ was awarded the title of Hanjaba by the Maharaja of Manipur and the Sangit Natak Akademi Award in 1966.

Ans ✘ 1. Guru Amubi Singh

✘ 2. Rajkumar Singhajit Singh

✔ 3. Guru Bipin Singh

✘ 4. Sougaijam Thanil Singh

Q.17 In July 2021, Mangubhai Chhaganbhai Patel was appointed as the Governor of _____.

Ans ✘ 1. Maharashtra

✔ 2. Madhya Pradesh

✘ 3. Karnataka

✘ 4. Kerala

Q.18 What is the name of the zone where trade winds converge?

Ans ✘ 1. Forest zone

✘ 2. Intra-terrestrial zone

✘ 3. Inter-continental convergence zone

✔ 4. Inter-tropical convergence zone

Q.19 _____ was the first woman dancer to receive the Padma Vibhushan, the nation's second-highest civilian award.

Ans ✘ 1. Mrinalini Sarabhai

✘ 2. Padma Subramaniyam

✔ 3. Tanjore Balasaraswati

✘ 4. Alarmel Valli

Q.20 Who among the following was awarded the Dhyan Chand Award for Lifetime achievement in Sports and Games 2021 in Boxing discipline?

Ans　✗ 1. Gurcharan Singh

　　　✓ 2. Lekha KC

　　　✗ 3. Akhil Kumar

　　　✗ 4. Devendro Singh

Question ID : **26433041849**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Who found out the relationship between the current I flowing in a metallic wire and the potential difference across its terminals?

Ans　✗ 1. Albert Einstein

　　　✓ 2. Georg Simon Ohm

　　　✗ 3. Rutherford

　　　✗ 4. Niels Bohr

Question ID : **26433039386**
Status : **Answered**
Chosen Option : **2**

Q.22 As of August 2021, which Indian state organises Qila Raipur Sports Festival, also known as India's Rural Olympics, annually?

Ans　✗ 1. Gujarat

　　　✓ 2. Punjab

　　　✗ 3. Haryana

　　　✗ 4. Rajasthan

Question ID : **26433044430**
Status : **Not Answered**
Chosen Option : **--**

Q.23 In the early 1980s, an aspartic acid-containing dipeptide sweetener was discovered, that was about 2000 times sweeter than sucrose. What is the name of that sweetener?

Ans　✓ 1. Alitame

　　　✗ 2. Saccharin

　　　✗ 3. Aspartame

　　　✗ 4. Sucralose

Question ID : **26433044778**
Status : **Not Answered**
Chosen Option : **--**

Q.24 US-based Bharatanatyam/Kuchipudi exponent _____ has won the prestigious Abhinandan Saroja National Award 2021 by the National Institute of Indian Classical Dance at Samarpan on November 15th 2021.

Ans　✗ 1. Jeeno Joseph

　　　✓ 2. Aparna Satheesan

　　　✗ 3. Carol Kuruvilla

　　　✗ 4. Sharan Lowen

Question ID : **26433044636**
Status : **Not Answered**
Chosen Option : **--**

Q.25 In which sport is the equipment called antenna used?

Ans ✔️ 1. Volleyball

❌ 2. Base ball

❌ 3. Basketball

❌ 4. Hockey