Combined Higher Secondary Level Examination 2021 Tier I

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Kalyani
Exam Date	27/05/2022
Exam Time	4:00 PM - 5:00 PM
Subject	CHSL 2021 Tier I

Section : **English Language**

Q.1 Select the most appropriate option to fill in the blank.
A student _____ in ragging can be expelled from the institution

Ans ✗ 1. avoiding

✗ 2. curbing

✗ 3. contrasting

✓ 4. indulging

Question ID : **26433039931**
Status : **Answered**
Chosen Option : **4**

Q.2 Select the option that expresses the given sentence in active voice.
Four grams of sodium chloride was added to the mixture by the research team.

Ans ✗ 1. The research team added the mixture to four grams of sodium chloride.

✗ 2. Four grams of sodium chloride added the mixture to the research team.

✓ 3. The research team added four grams of sodium chloride to the mixture.

✗ 4. The mixture added four grams of sodium chloride to the research team.

Question ID : **26433040063**
Status : **Answered**
Chosen Option : **3**

Q.3 From among the words given in bold, select the INCORRECTLY spelt word in the
following sentence.
The Imitations of Horace raise issues of political **nautrality**, **partisanship** and moral
satire, and as such are key texts of the **Augustan** age.

Ans ✓ 1. nautrality

✗ 2. satire

✗ 3. Augustan

✗ 4. partisanship

Question ID : **26433043159**
Status : **Answered**
Chosen Option : **4**

Q.4 Identify the option that arranges the given parts in the correct order to form a meaningful and coherent paragraph.
a) However, through sheer grit and determination
b) Nick was able to get admission to a high school
c) Nick Vujicic was prevented from
d) attending mainstream middle schools.

Ans ✗ 1. d,c,a,b

✗ 2. a,b,c,d

✗ 3. b,c,a,d

✓ 4. c,d,a,b

Q.5 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Ronaldo is / a famous / player of / the football.

Ans ✗ 1. a famous

✗ 2. Ronaldo is

✓ 3. the football

✗ 4. player of

Q.6 Select the most appropriate ANTONYM of the given word.
Sceptic

Ans ✗ 1. Doubter

✓ 2. Believer

✗ 3. Disbeliever

✗ 4. Receiver

Q.7 Select the most appropriate ANTONYM of the underlined word in the following sentence.
The uneducated man was <u>flummoxed</u> by the legal document.

Ans ✗ 1. happy

✗ 2. annoyed

✓ 3. comfortable

✗ 4. scared

Q.8 Select the option that can be used as a one-word substitute for the given group of words.
One who gives money or help to another person or cause

Ans ✗ 1. Anarchist

✗ 2. Agnostic

✓ 3. Benefactor

✗ 4. Amateur

Question ID : **26433039896**
Status : **Answered**
Chosen Option : **3**

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

He was a _____ stranger to me.

Ans ✗ 1. settled

✗ 2. full

✓ 3. complete

✗ 4. entire

Question ID : **26433042837**
Status : **Answered**
Chosen Option : **3**

Q.10 Select the most appropriate meaning of the given idiom.
Red letter day

Ans ✓ 1. Memorable day

✗ 2. Rose day

✗ 3. Holiday

✗ 4. Birthday

Question ID : **26433043085**
Status : **Answered**
Chosen Option : **1**

Q.11 Select the most appropriate ANTONYM of the highlighted word.
Two original manuscripts of this text are still extant.

Ans ✗ 1. negotiate

✓ 2. extinct

✗ 3. drool

✗ 4. persist

Question ID : **26433045488**
Status : **Answered**
Chosen Option : **4**

Q.12 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Elina is / travelling / since / yesterday.

Ans ✗ 1. since

✗ 2. yesterday

✓ 3. Elina is

✗ 4. travelling

Question ID : **26433039743**
Status : **Answered**
Chosen Option : **1**

Q.13 **Select the INCORRECTLY spelt word.**

Ans   ✗ 1. Discipline

   ✗ 2. Conscious

   ✔ 3. Previlege

   ✗ 4. Believe

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

The love of man or mankind

Ans   ✗ 1. Philology

   ✔ 2. Philanthropy

   ✗ 3. Phylactery

   ✗ 4. Philosophy

Q.15 **Select the sentence which has no spelling error.**

Ans   ✔ 1. Beethoven is known to be a prodigious musician of all times.

   ✗ 2. His business gives him cash in prodigeous amounts.

   ✗ 3. Ashley caught the spectators by his prodigiuos tricks.

   ✗ 4. Dusty is a prodegious novelist of the present era.

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

Ans   ✗ 1. Be afraid of doing something again

   ✗ 2. Harm someone who trusts you

   ✗ 3. Speak the truth even if it is unpleasant

   ✔ 4. Understand something that is not said outright

Q.17 **Select the option that will improve the underlined part of the given sentence.**
Reema and Aasha were frolicking in the park

Ans   ✗ 1. were enjoying in the garden

   ✗ 2. were participating in the garden

   ✔ 3. were playing in the garden

   ✗ 4. were performing in the garden

Q.18 Select the most appropriate meaning of the given idiom.
A kick in the teeth

Ans ✓ 1. Great disappointment

✗ 2. Extraction of a tooth

✗ 3. Toothache

✗ 4. Alcohol consumption

Question ID : **26433039785**
Status : **Answered**
Chosen Option : **1**

Q.19 Select the most appropriate synonym of the given word.

Pace

Ans ✗ 1. Target

✗ 2. Corner

✗ 3. Angle

✓ 4. Speed

Question ID : **26433043063**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the option that expresses the given sentence in passive voice.
My father teaches students.

Ans ✗ 1. My father is teaching students.

✗ 2. Students are being taught by my father

✓ 3. Students are taught by my father.

✗ 4. A student is taught by my father.

Question ID : **26433039944**
Status : **Answered**
Chosen Option : **3**

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.
In April 1945, during the Conference to set up the United Nations (UN) held in San Francisco, representatives of Brazil and China proposed that an international health organization be (1) _____ and a conference to frame its constitution convened. On 15 February 1946, the Economic and Social Council of the UN instructed the Secretary-General to (2)_____ such a conference. A Technical Preparatory Committee met in Paris from 18 March to 5 April 1946 and (3)_____ proposals for the Constitution which were presented to the International Health Conference in New York City (4) _____ 19 June and 22 July 1946. On the basis of these proposals, the Conference drafted and (5)_____ the Constitution of the World Health Organization, signed 22 July 1946 by representatives of 51 Members of the UN and of 10 other nations.

SubQuestion No : 21

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

Ans ✗ 1. establishes

✓ 2. established

✗ 3. establish

✗ 4. establishing

Question ID : **26433045803**
Status : **Answered**
Chosen Option : **2**

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.

In April 1945, during the Conference to set up the United Nations (UN) held in San Francisco, representatives of Brazil and China proposed that an international health organization be (1) _____ and a conference to frame its constitution convened. On 15 February 1946, the Economic and Social Council of the UN instructed the Secretary-General to (2)_____ such a conference. A Technical Preparatory Committee met in Paris from 18 March to 5 April 1946 and (3)_____ proposals for the Constitution which were presented to the International Health Conference in New York City (4) _____ 19 June and 22 July 1946. On the basis of these proposals, the Conference drafted and (5)_____ the Constitution of the World Health Organization, signed 22 July 1946 by representatives of 51 Members of the UN and of 10 other nations.

SubQuestion No : 22

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

Ans　✗ 1. sit

　　　✗ 2. collect

　　　✔ 3. convene

　　　✗ 4. disperse

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.

In April 1945, during the Conference to set up the United Nations (UN) held in San Francisco, representatives of Brazil and China proposed that an international health organization be (1) _____ and a conference to frame its constitution convened. On 15 February 1946, the Economic and Social Council of the UN instructed the Secretary-General to (2)_____ such a conference. A Technical Preparatory Committee met in Paris from 18 March to 5 April 1946 and (3)_____ proposals for the Constitution which were presented to the International Health Conference in New York City (4) _____ 19 June and 22 July 1946. On the basis of these proposals, the Conference drafted and (5)_____ the Constitution of the World Health Organization, signed 22 July 1946 by representatives of 51 Members of the UN and of 10 other nations.

SubQuestion No : 23

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

Ans　✗ 1. drew off

　　　✗ 2. drew down

　　　✔ 3. drew up

　　　✗ 4. drew away

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.

In April 1945, during the Conference to set up the United Nations (UN) held in San Francisco, representatives of Brazil and China proposed that an international health organization be (1) _____ and a conference to frame its constitution convened. On 15 February 1946, the Economic and Social Council of the UN instructed the Secretary-General to (2)_____ such a conference. A Technical Preparatory Committee met in Paris from 18 March to 5 April 1946 and (3)_____ proposals for the Constitution which were presented to the International Health Conference in New York City (4) _____ 19 June and 22 July 1946. On the basis of these proposals, the Conference drafted and (5)_____ the Constitution of the World Health Organization, signed 22 July 1946 by representatives of 51 Members of the UN and of 10 other nations.

SubQuestion No : 24

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

Ans ✔ 1. between

✖ 2. from

✖ 3. among

✖ 4. while

Question ID : **26433045806**
Status : **Answered**
Chosen Option : **1**

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.

In April 1945, during the Conference to set up the United Nations (UN) held in San Francisco, representatives of Brazil and China proposed that an international health organization be (1) _____ and a conference to frame its constitution convened. On 15 February 1946, the Economic and Social Council of the UN instructed the Secretary-General to (2)_____ such a conference. A Technical Preparatory Committee met in Paris from 18 March to 5 April 1946 and (3)_____ proposals for the Constitution which were presented to the International Health Conference in New York City (4) _____ 19 June and 22 July 1946. On the basis of these proposals, the Conference drafted and (5)_____ the Constitution of the World Health Organization, signed 22 July 1946 by representatives of 51 Members of the UN and of 10 other nations.

SubQuestion No : 25

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

Ans ✖ 1. adapted

✔ 2. adopted

✖ 3. maintained

✖ 4. revoked

Question ID : **26433045807**
Status : **Answered**
Chosen Option : **1**

Section : **General Intelligence**

Q.1 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row : 24, 9, 108
Second row : 38, 5, 95
Third row : 12, 17, ?

(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. 112

    ✗ 2. 96

    ✗ 3. 90

    ✓ 4. 102

Q.2 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation.

14*11*22*56*8

Ans   ✗ 1. +,−,=,×

    ✗ 2. −,×,=,+

    ✗ 3. +,+, =,−

    ✓ 4. ×,÷,=,÷

Q.3 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.

24 : 137 :: 14 : ? :: 18 : 101

Ans   ✗ 1. 87

    ✗ 2. 65

    ✗ 3. 82

    ✓ 4. 77

Q.4 Which two numbers, from amongst the given options, should be interchanged to make the given equation correct?

82 – 5 + (24÷6) + 17 + (5×8) = 127

Ans   ✗ 1. 82 and 24

    ✓ 2. 6 and 8

    ✗ 3. 5 and 17

    ✗ 4. 5 and 8

Q.5 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 the fourth term is related to the third term.

NEUTRAL : NAUTREL :: PACIFIC : PICIFAC :: LOYALTY : ?

Ans ✔ 1. LTYALOY

✘ 2. LOAYLTY

✘ 3. LTAYLOY

✘ 4. LOYLATY

Question ID : **26433040476**
Status : **Answered**
Chosen Option : **1**

Q.6 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. 537 : 15

✘ 2. 917 : 17

✔ 3. 459 : 19

✘ 4. 673 : 16

Question ID : **26433039317**
Status : **Answered**
Chosen Option : **3**

Q.7 In a certain code language, 'MUSIC' is written as 'LNTVRTHJBD' and 'VIOLIN' is written as 'UWHJNPKMHJMO'. How will 'CHORD' be written in that language?

Ans ✘ 1. BDGPIPQSCE

✔ 2. BDGINPQSCE

✘ 3. DBGINPQSCE

✘ 4. BDGINPQECS

Question ID : **26433043426**
Status : **Answered**
Chosen Option : **3**

Q.8 Which letter-cluster will replace the question mark (?) to complete the given series?

RRQZ, MADQ, ?, CSDY, XBQP

Ans ✔ 1. HJQH

✘ 2. HLQJ

✘ 3. GYJZ

✘ 4. GJPQ

Question ID : **26433044986**
Status : **Answered**
Chosen Option : **1**

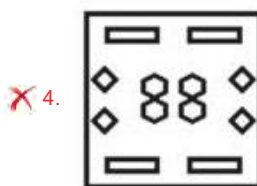**Q.9** If 30 January 2010 was Saturday, then what was the day of the week on 01 March 2011?
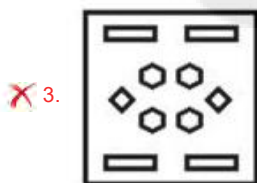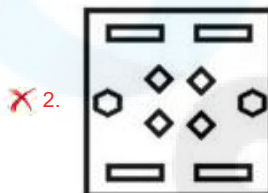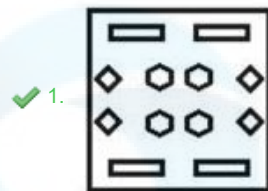
Ans ✘ 1. Monday

✔ 2. Tuesday

✘ 3. Sunday

✘ 4. Wednesday

Question ID : **26433040675**
Status : **Not Answered**
Chosen Option : **--**

Q.10 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?
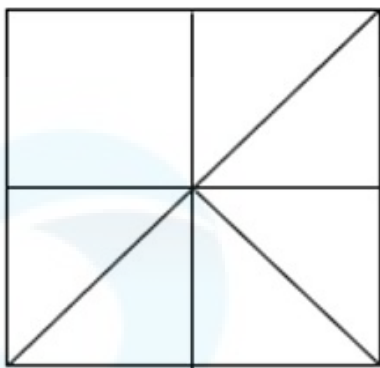
Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
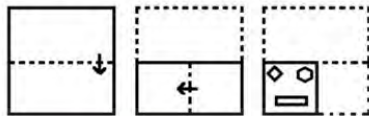
Q.11 How many triangles are there in the given figure?
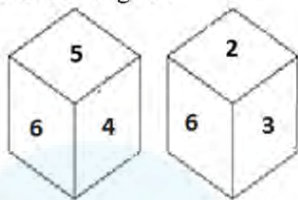

Ans
- ✗ 1. 8
- ✗ 2. 6
- ✔ 3. 10
- ✗ 4. 12

Q.12 Select the option that is embedded in the given figure as its part (rotation is NOT allowed).

Ans
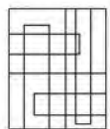
- ✗ 1.
- ✗ 2.
- ✗ 3.
- ✔ 4.

Q.13 Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one showing '6'.

Ans ✔ 1. 1

✘ 2. 3

✘ 3. 4

✘ 4. 2

Q.14 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation.

41*3*53*48*3*18*5*36

Ans ✘ 1. −,×,−,=,+,×,−

✘ 2. −,=,+,×,−,÷,+

✔ 3. ×,−,=,÷,+, ×,−

✘ 4. +,−,×,+,=,×,÷

Q.15 If 22nd January 2011 was a Saturday, then what was the day of the week on 23rd January 2015?

Ans ✘ 1. Saturday

✔ 2. Friday

✘ 3. Monday

✘ 4. Sunday

Q.16 Which of the following numbers will replace the question mark (?) in the given number series?
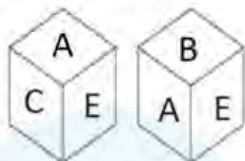1244, 624, 314, ?, 81.5, 42.75

Ans ✘ 1. 156

✔ 2. 159

✘ 3. 155.5

✘ 4. 157

Q.17 Two different positions of the same dice are shown, the six faces of which are marked as A, B, C, D, E, F. Select the letter that will be on the face opposite to the one showing 'B'.

Ans ✗ 1. A

✗ 2. D

✔ 3. C

✗ 4. E

Question ID : **26433041075**
Status : **Answered**
Chosen Option : **3**

Q.18 Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word. (The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word)

Centre : Central :: Character : Characteristic : : Ambition : ?

Ans ✔ 1. Ambitious

✗ 2. Amusing

✗ 3. Astounding

✗ 4. Amazing

Question ID : **26433045103**
Status : **Answered**
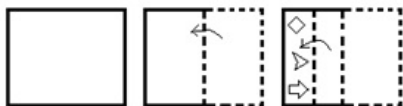Chosen Option : **1**

Q.19 Which letter-cluster will replace the question mark (?) to complete the given series?

DPSQ, GTXW, ?, MBHI, PFMO

Ans ✗ 1. HWBC

✗ 2. KXDC

✗ 3. IJDE

✔ 4. JXCC

Question ID : **26433039028**
Status : **Answered**
Chosen Option : **4**

Q.20 A paper is folded and cut as shown below. How will it appear when unfolded?

Ans

1.

2.

3.

4.
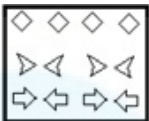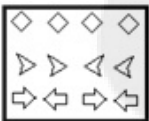
Q.21 Which of the following numbers will replace the question mark (?) in the given series?

7, 8, 12, 39, 55, 180, 216, ?

Ans
1. 555
2. 559
3. 595
4. 599

Q.22 In a certain code language, 'THEORY' is written as 'YROEHT' and 'OPTION' is written as 'NOITPO'. How will 'EXPERT' be written in that language?

Ans
1. RTEPXE
2. TRERTE
3. TREPXE
4. TREPEX

Q.23 If 'A' denotes '+', 'B' denotes '×', 'C' denotes '−' and 'D' denotes '÷', then what will come in place of '?' in the following equation?

(48 D 12) C 71 A 14 B (96 D 6) A 3 B 12 = ?

Ans ✗ 1. 133

✓ 2. 193

✗ 3. 162

✗ 4. 172

Question ID : **26433045173**
Status : **Answered**
Chosen Option : **2**

Q.24 Three statements are given, followed by three conclusions numbered I, II and III. 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 plants are herbs.
Some herbs are trees.
All trees are shrubs.

Conclusions:
I. Some shrubs are plants.
II. Some shrubs are herbs.
III. Some trees are plants.

Ans ✗ 1. Only conclusions I and III follow

✓ 2. Only conclusion II follows

✗ 3. Only conclusions I and II follow

✗ 4. Only conclusion I follows

Question ID : **26433040735**
Status : **Answered**
Chosen Option : **2**

Q.25 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.

8 : 516 :: 6 : 219 :: 4 : ?

Ans ✗ 1. 69

✗ 2. 72

✓ 3. 66

✗ 4. 68

Question ID : **26433043558**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1

The table below shows the number of cakes sold by six different bakeries in a town on five different days of particular week.

Days Bakery	Monday	Tuesday	Thursday	Saturday	Sunday
A	222	255	215	250	266
B	205	275	314	295	260
C	245	266	305	195	235
D	221	230	185	300	280
E	312	325	298	272	254
F	175	205	255	240	308

What is difference between the highest number of the cakes sold by bakery F in a single day and the lowest numbers of cake sold by bakery B in a single day?

Ans   ✗ 1. 139

   ✗ 2. 125

   ✔ 3. 103

   ✗ 4. 100

Q.2 If a positive integer N is divided by 7, the remainder is 3. Which of the following numbers yields a remainder of 0 when it is divided by 7?

Ans   ✗ 1. N + 5

   ✗ 2. N + 2

   ✔ 3. N + 4

   ✗ 4. N + 3

Q.3 If $x^2 - 8x + 1 = 0$, what is the value of $x^8 - 3842x^4 + 1$?

Ans   ✗ 1. −1

   ✔ 2. 0

   ✗ 3. 2

   ✗ 4. 1

Q.4 The population of a town is increasing at the rate of 5% per annum. What will be the population of the town on this basis after two years, if the present population is 16000?

Ans   ✗ 1. 17600

   ✔ 2. 17640

   ✗ 3. 17620

   ✗ 4. 17680

Q.5 The price of a TV has been reduced by 20%. In order to restore the original price, the new price must be increased by:

Ans ✗ 1. 20%

✗ 2. 28%

✗ 3. 31%

✔ 4. 25%

Q.6 A discount of 20% on the marked price of an article is allowed and then the article is sold for ₹1,380. The marked price of the article is _____.

Ans ✗ 1. ₹1,850

✗ 2. ₹1,800

✔ 3. ₹1,725

✗ 4. ₹1,625

Q.7 The difference between the compound and the simple interests for 3 years at the rate of 20% per annum is ₹432. What is the principal lent?

Ans ✗ 1. ₹3,378

✔ 2. ₹3,375

✗ 3. ₹3,385

✗ 4. ₹3,380

Q.8 One candidate received 60% of the total valid votes in an election between two candidates. A total of 20% of the votes were invalid. What is the number of valid votes the other candidate received if the total votes were 16250?

Ans ✗ 1. 2990

✗ 2. 4760

✔ 3. 5200

✗ 4. 5800

Q.9 In a circle with centre at O and radius 8 cm, AB is a chord of length 14 cm. If OM is perpendicular to AB, then the length of OM is:

Ans

✗ 1. $\sqrt{10}$ cm

✗ 2. $\sqrt{5}$ cm

✗ 3. $\sqrt{12}$ cm

✔ 4. $\sqrt{15}$ cm

Question ID : 26433039189
Status : **Answered**
Chosen Option : **4**

Q.10 56% of 4800 – {(9^3 × 8) ÷ √6561} – 48% of (81 ÷ 8) = ?

Ans

✗ 1. 2612.14

✗ 2. 2611.86

✗ 3. 2612.86

✔ 4. 2611.14

Question ID : 26433043915
Status : **Answered**
Chosen Option : **2**

Q.11 A car covers a certain distance travelling at a speed of 60 km/h and returns to the starting point at a speed of 40 km/h. The average speed of the car for the entire journey is:

Ans

✗ 1. 20 km/h

✔ 2. 48 km/h

✗ 3. 120 km/h

✗ 4. 50 km/h

Question ID : 26433041598
Status : **Answered**
Chosen Option : **2**

Q.12 The given pie chart shows the percentage wise distribution of an item in 6 different states A, B, C, D, E and F.

Find the central angle for state D.
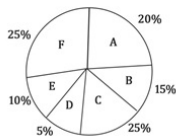
Ans

✗ 1. 40°

✗ 2. 25°

✔ 3. 18°

✗ 4. 20°

Question ID : 26433045952
Status : **Answered**
Chosen Option : **3**

Q.13 A can complete a task in 12 days and B can complete the same task in 18 days. They start working together but A works for only 2 days. The remaining work is completed by B. If the total wage is ₹2,400, then what is B's share (in ₹)?

Ans ✗ 1. 1600

  ✗ 2. 1800

  ✗ 3. 1200

  ✓ 4. 2000

Question ID : **26433038632**
Status : **Answered**
Chosen Option : **4**

Q.14 A solid right-circular cylinder, whose radius of the base is 15 cm and height is 12 cm, is melted and moulded into the solid right-circular cone, whose radius of the base is 24 cm. What will be the height of this cone?

Ans ✓ 1. 14.0625 cm

  ✗ 2. 14.0675 cm

  ✗ 3. 14.6025 cm

  ✗ 4. 14.0525 cm

Question ID : **26433043973**
Status : **Answered**
Chosen Option : **1**

Q.15 A shopkeeper makes a profit of 12.5% after allowing a discount of 10% on the marked price of an article. Find his profit percentage if the article is sold at the marked price, allowing no discount.

Ans ✓ 1. 25%

  ✗ 2. 30%

  ✗ 3. 22.5%

  ✗ 4. 27%

Question ID : **26433039350**
Status : **Answered**
Chosen Option : **1**

Q.16 With an average speed of 42 km/h, a train reaches its destination in time. If it moves with an average speed of 14 km/h, it is late by 35 minutes. The length of the journey is:

Ans ✓ 1. 12.25 km

  ✗ 2. 12.15 km

  ✗ 3. 10.25 km

  ✗ 4. 11.25 km

Question ID : **26433039155**
Status : **Answered**
Chosen Option : **1**

Q.17 The first number is one-third of the second number. The second number is 1.5 times of the third number. The third number is three times the fourth number. If the average of the four numbers is 10, find the largest of the number.

Ans ✗ 1. 12

✓ 2. 18

✗ 3. 16

✗ 4. 15

Question ID : **26433044202**

Status : **Answered**

Chosen Option : **2**

Q.18

$144x^2 - 36x + \frac{9}{4}$ can be expressed as the square of _____.

Ans

✗ 1. $14x - \frac{3}{2}$

✗ 2. $12x - \frac{9}{4}$

✓ 3. $12x - \frac{3}{2}$

✗ 4. $12x - 9$

Question ID : **26433042659**

Status : **Answered**

Chosen Option : **3**

Q.19 A solid cylinder has a radius of 9 cm and a height of 25 cm. What is the ratio of its total surface area to its curved surface area?

Ans ✗ 1. 9 : 25

✗ 2. 25 : 9

✗ 3. 25 : 34

✓ 4. 34 : 25

Question ID : **26433038640**

Status : **Answered**

Chosen Option : **4**

Q.20 Find the fourth proportional to 18, 36 and 52.

Ans ✗ 1. 48

✓ 2. 104

✗ 3. 127

✗ 4. 81

Question ID : **26433041668**

Status : **Answered**

Chosen Option : **2**

Q.21 Find the value of the following.

$$\frac{\sin 67° \cos 37° - \sin 37° \cos 67°}{\cos 13° \cos 17° - \sin 13° \sin 17°}$$

Ans

✔ 1. $\dfrac{1}{\sqrt{3}}$

✘ 2. $\dfrac{4}{\sqrt{3}}$

✘ 3. $\dfrac{2}{\sqrt{3}}$

✘ 4. 7

Q.22 The pie-chart below represents the number of hours as percent of 24 hours of a day, spent on different activities by a student, Study the pie chart and answer the question that follows.

Number of hours as percent of 24 hours of a day, spent on different activities by a student

■ School ■ Play ■ Home work ■ Sleep ■ Eating Food ■ Others
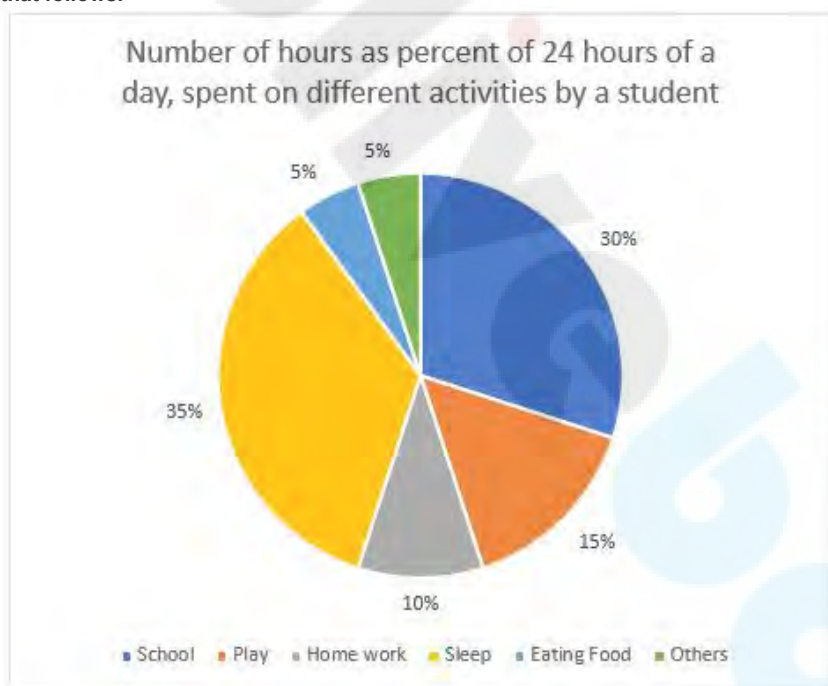
How many hours per day does the student spend in school ?

Ans ✘ 1. 7 hours 20 minutes

✘ 2. 8 hours 15 minutes

✘ 3. 8 hours 10 minutes

✔ 4. 7 hours 12 minutes

Q.23 The radius of a solid metallic sphere is equal to 15 cm. It is melted and drawn into a long wire of radius 15 mm having uniform cross-section. Find the length of the wire.

Ans ✗ 1. 2100 cm

✗ 2. 1900 cm

✗ 3. 1800 cm

✓ 4. 2000 cm

Question ID : **26433042728**

Status : **Not Answered**

Chosen Option : **--**

Q.24 If a tradesman marks his goods 25% above the cost price and allows his customers a 12% reduction on their bill, then the percentage profit he makes is _____.

Ans ✗ 1. 30%

✗ 2. 20%

✗ 3. 40%

✓ 4. 10%

Question ID : **26433044350**

Status : **Answered**

Chosen Option : **4**

Q.25

If $b^2 - 4b - 1 = 0$, then find the value of $b^2 + \dfrac{1}{b^2} + 3b - \dfrac{3}{b}$.

Ans ✗ 1. 32

✓ 2. 30

✗ 3. 18

✗ 4. 24

Question ID : **26433041691**

Status : **Answered**

Chosen Option : **2**

Section : **General Awareness**

Q.1 In 2017, Deepika Reddy got the Sangeet Natak Akademi Awards 2017 for her contribution in the field of _____ dance.

Ans ✗ 1. Odissi

✗ 2. Bharatanatyam

✓ 3. Kuchipudi

✗ 4. Manipuri

Question ID : **26433044602**

Status : **Answered**

Chosen Option : **3**

Q.2 Which of the following is the autobiography of Dr. Manmohan Singh, the ex-Prime Minister of India?

Ans ✗ 1. A Shot at history

✗ 2. Ace Against Odds

✓ 3. Changing India

✗ 4. My Country My Life

Question ID : **26433042217**
Status : **Answered**
Chosen Option : **3**

Q.3 Which of the following is the autobiography of the first female judge of India, Anna Chandy?

Ans ✗ 1. Atmavrittanta

✗ 2. Majya Jalmachi Chittarkatha

✗ 3. Ente Katha

✓ 4. Atmakatha

Question ID : **26433038945**
Status : **Not Answered**
Chosen Option : **--**

Q.4 In 2020,VP Dhananjayan and Shanta Dhananjayan were honoured with Sri Shanmukh ananda National Eminence Award in the field of _____.

Ans ✓ 1. Dance

✗ 2. Carnatic vocal

✗ 3. Sarangi

✗ 4. Tabla

Question ID : **26433044686**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Which of the following countries was ranked first in Paralympic 2020 medal tally?

Ans ✗ 1. England

✓ 2. China

✗ 3. Australia

✗ 4. The US

Question ID : **26433044457**
Status : **Answered**
Chosen Option : **2**

Q.6 Who was awarded the Nobel Prize in Physics in 1926,'for his work on the discontinuous structure of matter'?

Ans ✗ 1. Charles Wilson

✗ 2. Murray Gell-Mann

✓ 3. Jean Baptiste Perrin

✗ 4. Owen Willans Richardson

Question ID : **26433044726**
Status : **Not Answered**
Chosen Option : **--**

Q.7 Which base unit, discovered in 1820, represents one coulomb of electric current per second?

Ans ✗ 1. Volt

✗ 2. Kelvin

✗ 3. Candela

✓ 4. Ampere

Question ID : **26433044803**
Status : **Answered**
Chosen Option : **4**

Q.8 'The Wings of Fire' is an autobiography of which of the following Presidents of India?

Ans ✗ 1. Ram Nath Kovind

✗ 2. Pranab Mukherjee

✓ 3. APJ Abdul Kalam

✗ 4. Kocheril Raman Narayanan

Question ID : **26433038742**
Status : **Answered**
Chosen Option : **3**

Q.9 Who among the following Khayal singers of 19th century was given the title of 'Tanras" by Bahadur Shah Jaffar, the last Mughal Emperor of India?

Ans ✗ 1. Bade Ustad Ghulam Ali Khan

✓ 2. Meer Qutub Baksh

✗ 3. Ustad Amir Khan

✗ 4. Sadarang

Question ID : **26433042327**
Status : **Answered**
Chosen Option : **3**

Q.10 Who among the following was appointed as the Chairman of ICC Men's Cricket Committee in November 2021?

Ans ✗ 1. Kapil Dev

✗ 2. Anil Kumble

✗ 3. Sunil Gavaskar

✓ 4. Sourav Ganguly

Question ID : **26433038931**
Status : **Answered**
Chosen Option : **4**

Q.11 Which structural layer surrounds the algal, fungal and plant cells and provides tensile strength and protection against mechanical and osmotic stress?

Ans ✗ 1. Cell membrane

✗ 2. Plastids

✓ 3. Cell wall

✗ 4. Vacuole

Question ID : **26433044842**
Status : **Answered**
Chosen Option : **4**

Q.12 Who won the Dronacharya Award for outstanding coaches in Sports and Games 2021 (Regular Category) in Table Tennis discipline?

Ans
✗ 1. Manika Batra

✗ 2. Sathiyan Gnanasekaran

✗ 3. Mouma Das

✓ 4. Subramanian Raman

Question ID : **26433041850**
Status : **Answered**
Chosen Option : **3**

Q.13 In which state of matter is the kinetic energy of molecules greater than the forces of attraction between them, such that they are so far apart and move independently of each other?

Ans
✗ 1. Liquid

✗ 2. Plasma

✓ 3. Gas

✗ 4. Solid

Question ID : **26433044719**
Status : **Answered**
Chosen Option : **3**

Q.14 In February 2021, in the Devilal vs _____ case, the Supreme Court observed that juvenile offenders under 18 years and above 16 years are to be remitted to the jurisdictional Juvenile Justice Board.

Ans
✗ 1. State of Punjab

✓ 2. State of Madhya Pradesh

✗ 3. State of Uttar Pradesh

✗ 4. State of Bihar

Question ID : **26433044386**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Which Articles of the Indian Constitution deal with the Union Executive?

Ans
✗ 1. Articles 38 to 50

✓ 2. Articles 52 to 78

✗ 3. Articles 80 to 86

✗ 4. Articles 112 to 118

Question ID : **26433039631**
Status : **Answered**
Chosen Option : **1**

Q.16 What was India's rank in the world in 2019 for crude steel production?

Ans
✓ 1. 2nd

✗ 2. 1st

✗ 3. 4th

✗ 4. 3rd

Question ID : **26433041998**
Status : **Not Answered**
Chosen Option : **--**

Q.17 The Kathak dance exponent Birju Maharaj is associated with which of the following Gharana?

Ans ✗ 1. Raigarh Gharana

✗ 2. Jaipur Gharana

✓ 3. Lucknow Gharana

✗ 4. Banaras Gharana

Question ID : **26433038967**
Status : **Answered**
Chosen Option : **3**

Q.18 GDP that takes into account the costs in terms of environmental pollution and exploitation of natural resources is called _____.

Ans ✗ 1. white GDP

✓ 2. green GDP

✗ 3. brown GDP

✗ 4. blue GDP

Question ID : **26433044448**
Status : **Answered**
Chosen Option : **2**

Q.19 Which of the following civilian awards was conferred to Ustad Bismillah Khan in 2001?

Ans ✗ 1. Padma Vibhushan

✗ 2. Padma Shri

✓ 3. Bharat Ratna

✗ 4. Padma Bhushan

Question ID : **26433038775**
Status : **Not Answered**
Chosen Option : **--**

Q.20 In which track and field event is the baton used?

Ans ✗ 1. Hammer throw

✓ 2. Relay race

✗ 3. High jump

✗ 4. Steeple chase

Question ID : **26433042185**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Alarmel Velli was awarded with the 'Chevalier of Arts and Letters award' from the Government of _____ in 2004.

Ans ✗ 1. Germany

✗ 2. England

✓ 3. France

✗ 4. Spain

Question ID : **26433038813**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Identify the structural formula for ethene.

Ans ✗ 1. $H_2C = CH_3$

✗ 2. $HC = CH_3$

✗ 3. $H_3C = CH_3$

✓ 4. $H_2C = CH_2$

Question ID : **26433039405**
Status : **Answered**
Chosen Option : **4**

Q.23 Bickram Ghosh, a recipient of Global Indian Music Award, is a music composer and an Indian classical _____ player.

Ans ✗ 1. tanpura

✗ 2. sarangi

✓ 3. tabla

✗ 4. bansuri

Question ID : **26433042239**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Which is a perennial carnivorous plant of the sundew family that attracts preys and usually traps insects and then breaks them down with digestive enzymes?

Ans ✗ 1. Phytoplankton

✗ 2. Bladderwort

✓ 3. Venus flytrap

✗ 4. Seaweed

Question ID : **26433044767**
Status : **Answered**
Chosen Option : **3**

Q.25 India's last living Sadir dancer from Tamil Nadu, Muthukannammal, was honoured with which of the following highest Indian civilian awards in 2022?

Ans ✗ 1. Padma Vibhushan

✗ 2. Padma Bhushan

✓ 3. Padma Shri

✗ 4. Bharat Ratna

Question ID : **26433042352**
Status : **Not Answered**
Chosen Option : **--**