SSC CHSL TIER – I – Shift - 3 - 02-08-2023

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Combined Higher Secondary Level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	02/08/2023
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2023 Tier I

Section : **English Language**

Q.1 **Select the option that expresses the following sentence in passive voice. Daddy baked the cookies on the weekend.**

Ans ✗ 1. Daddy, on the weekend, baked cookies.

✓ 2. The cookies were baked on the weekend by Daddy.

✗ 3. On the weekend Daddy baked cookies.

✗ 4. No change required

Question ID : **264330149508**
Status : **Answered**
Chosen Option : **3**

Q.2 **Select the most appropriate ANTONYM of the underlined word in the given sentence.**

The injury was so <u>severe</u> that he could not play again.

Ans ✗ 1. implacable

✓ 2. tolerant

✗ 3. furious

✗ 4. pungent

Question ID : **264330144257**
Status : **Answered**
Chosen Option : **2**

Q.3 **The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.**

He finally / recalled that / the thieves have leave / from the front door.

Ans ✓ 1. the thieves have leave

✗ 2. recalled that

✗ 3. He finally

✗ 4. from the front door.

Question ID : **264330144324**
Status : **Answered**
Chosen Option : **1**

Q.4 Select the most appropriate ANTONYM of the underlined word.
Science has been trying innumerable methods to prove the existence of the universe, but the biggest <u>pleasure</u> of science is its inability to produce a single theory that explains the whole universe.

Ans ✗ 1. Inadequacy

✗ 2. Joy

✗ 3. Fear

✔ 4. Blandness

Q.5 Select the option that can be used as a one-word substitute for the underlined group of words.

Due to the official visit to a company, Rajiv has <u>a mental or emotional strain caused by demanding circumstances</u>.

Ans ✗ 1. reluctance

✔ 2. stress

✗ 3. penalty

✗ 4. depression

Q.6 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)Benefits of reading have been underlined since ages together.
B)Once they understand the sensibleness behind reading, they would pass it on to others as well.
C)It brings knowledge and wisdom both to the readers.
D)By virtue of a practice at home, this can be suggested to the young ones.

Ans ✗ 1. ABCD

✗ 2. CDBA

✗ 3. CDAB

✔ 4. ACDB

Q.7 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The flames caught so <u>quick</u> that I had no time to think.

Ans ✔ 1. quickly

✗ 2. quickest

✗ 3. as quick as

✗ 4. quicker

Q.8 Select the option that will improve the underlined part of the given sentence.
We will go to Spain this summer, <u>will we</u>?

Ans   ✗ 1. should we?

     ✓ 2. won't we?

     ✗ 3. can't we?

     ✗ 4. don't we?

Question ID : **264330149914**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the most appropriate idiom for the following sentence.
The government arrested the opposition leader, making the situation worse.

Ans   ✗ 1. To cast pearls before swine

     ✗ 2. To be on the last leg

     ✓ 3. To add fuel to the fire

     ✗ 4. To bite the dust

Question ID : **264330141307**
Status : **Answered**
Chosen Option : **3**

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

Compel

Ans   ✗ 1. Allow

     ✗ 2. Stop

     ✗ 3. Give

     ✓ 4. Obligate

Question ID : **264330144112**
Status : **Answered**
Chosen Option : **4**

Q.11 Select the most appropriate option that expresses the given sentence in passive voice.
The chef prepares the food in the kitchen.

Ans   ✗ 1. The food will be prepared by the chef in the kitchen.

     ✗ 2. The food prepares by the chef in the kitchen.

     ✗ 3. The food is preparing by the chef in the kitchen.

     ✓ 4. The food is prepared by the chef in the kitchen.

Question ID : **264330144184**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Bharath is a skilful achiever, so he <u>hits the nail on the leg</u>.

Ans ✔ 1. hits the nail on the head

✘ 2. hits the nail on the shoulder

✘ 3. put the nail in the hole

✘ 4. hits the screw on the top

Question ID : **264330143189**
Status : **Answered**
Chosen Option : **1**

Q.13 Select the most appropriate synonym of the underlined word in the following sentence.

Although the new fashion trend was quite popular, some critics were quick to <u>deride</u> it as a passing fad.

Ans ✔ 1. Ridicule

✘ 2. Hail

✘ 3. Detest

✘ 4. Applaud

Question ID : **264330148914**
Status : **Answered**
Chosen Option : **1**

Q.14 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence.
P. the golden era when their language, culture and arts flourished
Q. in the minds of the Tamils
R. under the patronage of successive Pandian kings
S. The name 'Madurai' evokes

Ans ✘ 1. SPQR

✔ 2. SQPR

✘ 3. SRPQ

✘ 4. SQRP

Question ID : **264330149705**
Status : **Answered**
Chosen Option : **2**

Q.15 Select the option that can be used as a one-word substitute for the given group of words.

A book where names and addresses of people living in an area is kept

Ans ✘ 1. Diary

✘ 2. Encyclopaedia

✔ 3. Directory

✘ 4. Library

Question ID : **264330144306**
Status : **Answered**
Chosen Option : **3**

Q.16 Select the correct spelling from the given options to fill in the blank.
Jaysmita is one of the most _____ persons I have ever met as she has many talents.

Ans ✘ 1. versataile

✘ 2. versatele

✘ 3. versateile

✔ 4. versatile

Question ID : **264330141317**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
I have been in Chennai <u>since</u> a week, but I am planning to return now.

Ans ✔ 1. for

✘ 2. from

✘ 3. in

✘ 4. No substitution required

Question ID : **264330143199**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the most appropriate synonym for the underlined word in the given sentence.
A <u>colossal</u> amount of money has been wasted on the construction of a new administrative building.

Ans ✔ 1. huge

✘ 2. miniature

✘ 3. small

✘ 4. micro

Question ID : **264330143130**
Status : **Answered**
Chosen Option : **1**

Q.19 Select the correct spelling from the given options to replace the underlined word in the following sentence.
The new policy will <u>supplant</u> the old one and introduce stricter measures for workplace safety.

Ans ✘ 1. overide

✔ 2. supersede

✘ 3. suceed

✘ 4. superseed

Question ID : **264330143955**
Status : **Answered**
Chosen Option : **1**

Q.20 Select the most appropriate ANTONYM of the given word.

Penury

Ans ✗ 1. Emergency

✓ 2. Opulence

✗ 3. Regression

✗ 4. Euphemism

Question ID : **264330144358**
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.
Friendship is one of the most significant aspects (1)_____ human life. It is a relationship based on mutual trust, respect and support. True friendship is not just about spending time (2)_____, but also about sharing each other's joys, sorrows and dreams. Good friends are those who stand by us in both good times and bad times, providing emotional and moral support. Having good friends can have a positive impact on one's mental health and well-being. Friends can be a source of happiness, laughter and comfort. They can also provide different perspectives and ideas that can help us grow as (3)_____. Moreover, friends can serve as a support system during challenging times, offering words of encouragement and helping us navigate through difficult situations. (4)_____, building and maintaining friendships requires effort, patience and understanding. It is important to be there for each other, listen to one another and respect each other's boundaries. It is important to remember that friendships can evolve and change over time, and it is okay to let go of (5)_____ friendships.

SubQuestion No : 21

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

Ans ✗ 1. on

✓ 2. of

✗ 3. for

✗ 4. by

Question ID : **264330149721**
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.

Friendship is one of the most significant aspects (1)_____ human life. It is a relationship based on mutual trust, respect and support. True friendship is not just about spending time (2)_____, but also about sharing each other's joys, sorrows and dreams. Good friends are those who stand by us in both good times and bad times, providing emotional and moral support. Having good friends can have a positive impact on one's mental health and well-being. Friends can be a source of happiness, laughter and comfort. They can also provide different perspectives and ideas that can help us grow as (3)_____. Moreover, friends can serve as a support system during challenging times, offering words of encouragement and helping us navigate through difficult situations. (4)_____, building and maintaining friendships requires effort, patience and understanding. It is important to be there for each other, listen to one another and respect each other's boundaries. It is important to remember that friendships can evolve and change over time, and it is okay to let go of (5)_____ friendships.

SubQuestion No : 22

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

Ans ✗ 1. simultaneously

✓ 2. together

✗ 3. jointly

✗ 4. collectively

Question ID : **264330149722**
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.

Friendship is one of the most significant aspects (1)_____ human life. It is a relationship based on mutual trust, respect and support. True friendship is not just about spending time (2)_____, but also about sharing each other's joys, sorrows and dreams. Good friends are those who stand by us in both good times and bad times, providing emotional and moral support. Having good friends can have a positive impact on one's mental health and well-being. Friends can be a source of happiness, laughter and comfort. They can also provide different perspectives and ideas that can help us grow as (3)_____. Moreover, friends can serve as a support system during challenging times, offering words of encouragement and helping us navigate through difficult situations. (4)_____, building and maintaining friendships requires effort, patience and understanding. It is important to be there for each other, listen to one another and respect each other's boundaries. It is important to remember that friendships can evolve and change over time, and it is okay to let go of (5)_____ friendships.

SubQuestion No : 23

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

Ans ✗ 1. entities

✓ 2. individuals

✗ 3. groups

✗ 4. beings

Question ID : **264330149723**
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.
Friendship is one of the most significant aspects (1)_____ human life. It is a relationship based on mutual trust, respect and support. True friendship is not just about spending time (2)_____, but also about sharing each other's joys, sorrows and dreams. Good friends are those who stand by us in both good times and bad times, providing emotional and moral support. Having good friends can have a positive impact on one's mental health and well-being. Friends can be a source of happiness, laughter and comfort. They can also provide different perspectives and ideas that can help us grow as (3)_____. Moreover, friends can serve as a support system during challenging times, offering words of encouragement and helping us navigate through difficult situations. (4)_____, building and maintaining friendships requires effort, patience and understanding. It is important to be there for each other, listen to one another and respect each other's boundaries. It is important to remember that friendships can evolve and change over time, and it is okay to let go of (5) _____ friendships.

SubQuestion No : 24

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

Ans ✗ 1. Similarly

   ✗ 2. And

   ✗ 3. Because

   ✔ 4. However

Question ID : **264330149724**
Status : **Answered**
Chosen Option : **4**

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.
Friendship is one of the most significant aspects (1)_____ human life. It is a relationship based on mutual trust, respect and support. True friendship is not just about spending time (2)_____, but also about sharing each other's joys, sorrows and dreams. Good friends are those who stand by us in both good times and bad times, providing emotional and moral support. Having good friends can have a positive impact on one's mental health and well-being. Friends can be a source of happiness, laughter and comfort. They can also provide different perspectives and ideas that can help us grow as (3)_____. Moreover, friends can serve as a support system during challenging times, offering words of encouragement and helping us navigate through difficult situations. (4)_____, building and maintaining friendships requires effort, patience and understanding. It is important to be there for each other, listen to one another and respect each other's boundaries. It is important to remember that friendships can evolve and change over time, and it is okay to let go of (5) _____ friendships.

SubQuestion No : 25

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

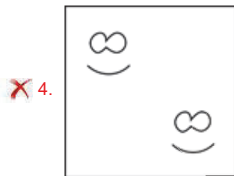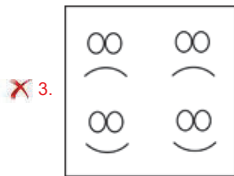Ans ✔ 1. toxic

   ✗ 2. unsafe
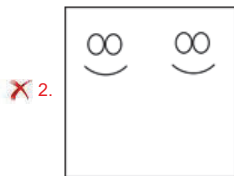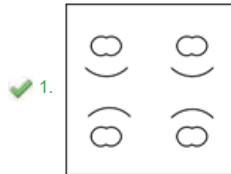
   ✗ 3. happy

   ✗ 4. safe

Question ID : **264330149725**
Status : **Answered**
Chosen Option : **1**

Section : **General Intelligence**

**Q.1** A paper is folded and cut as shown below. How will it appear when unfolded?

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
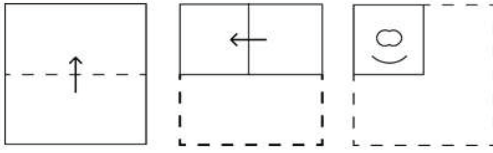
Question ID : **264330146762**
Status : **Answered**
Chosen Option : **1**

Q.2 MASTER is related to OATHWJ in a certain way based on the English alphabetical order. In the same way, ROSE is related to JMTW. To which of the following is PLEASE related, following the same logic?

Ans
✘ 1. LPWZIW
✘ 2. LPWAJW
✘ 3. LQWAIW
✔ 4. LPWAIW

Question ID : **264330146946**
Status : **Answered**
Chosen Option : **4**

Q.3 How many triangles are there in the given figure?
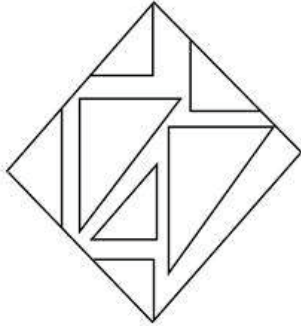
Ans

❌ 1. 8

❌ 2. 6

✅ 3. 7

❌ 4. 5

Q.4 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
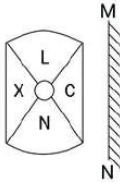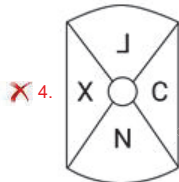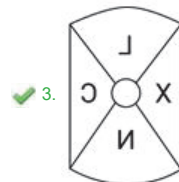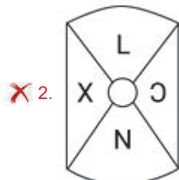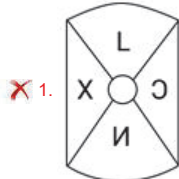
Question ID : **264330146503**
Status : **Answered**
Chosen Option : **3**

Q.5 In a certain code language, 'MOST' is coded as '3472' and 'STOW' is coded as '2634'.
What is the code for 'M' in the given code language?

Ans ✗ 1. 3

✗ 2. 4

✗ 3. 2

✔ 4. 7

Question ID : **264330146573**
Status : **Answered**
Chosen Option : **4**

Q.6 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / 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.)

17 : 82

31 : 158

19 : 92

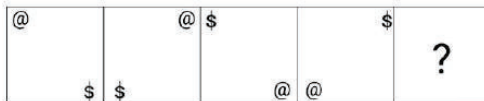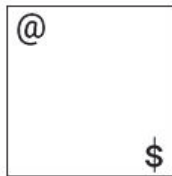47 : 232

Ans ✔ 1. 31 : 158

✘ 2. 47 : 232

✘ 3. 17 : 82

✘ 4. 19 : 92

Q.7 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.
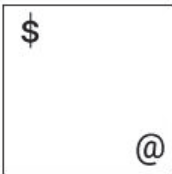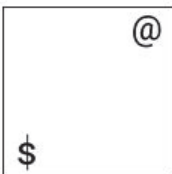

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Q.8 If it was Friday on 8 March 1996, then what will be the day of the week on 7 April 2006?

Ans
❌ 1. Saturday

❌ 2. Wednesday

❌ 3. Thursday

✅ 4. Friday

Question ID : **264330147455**
Status : **Answered**
Chosen Option : **3**

Q.9 Which number can replace the question mark (?) in the following series?

4, 7, 13, 22, ?, 49, 67

Ans
❌ 1. 33

❌ 2. 30

✅ 3. 34

❌ 4. 35

Question ID : **264330146327**
Status : **Answered**
Chosen Option : **3**

Q.10 Find out the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

J_SX   _WUT   NS_P   _OYL   RKA_

Ans
❌ 1. AKVML

✅ 2. ALWPH

❌ 3. ALWLK

❌ 4. AKUOG

Question ID : **264330146628**
Status : **Answered**
Chosen Option : **2**

Q.11 Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:
Some aprons are chopsticks.
Some chopsticks are forks.
All forks are knives.

Conclusion:
(I): Some chopsticks are aprons.
(II): No forks are knives.

Ans

✗ 1. Both conclusions (I) and (II) follow

✗ 2. Neither conclusion (I) nor (II) follows

✓ 3. Only conclusion (I) follows

✗ 4. Only conclusion (II) follows

Question ID : **264330152108**
Status : **Answered**
Chosen Option : **3**

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

111, 113, 118, 120, 125, 127, ?

Ans

✗ 1. 136

✓ 2. 132

✗ 3. 130

✗ 4. 134

Question ID : **264330146895**
Status : **Answered**
Chosen Option : **2**

Q.13 In a certain code language, 'ARCHED' is coded as '526749' and 'CHASED' is coded as '432576'. What is the code for 'R' in the given code language?

Ans

✓ 1. 9

✗ 2. 7

✗ 3. 3

✗ 4. 5

Question ID : **264330147206**
Status : **Answered**
Chosen Option : **1**

Q.14 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /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. 16- 276

✗ 2. 21 - 441

✗ 3. 23 - 529

✗ 4. 19 - 361

Question ID : 264330147372
Status : Answered
Chosen Option : 1

Q.15 What will come in the place of '?' in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

109 – 55 × 605 ÷ 77 + 93 =?

Ans ✗ 1. 82

✓ 2. 23

✗ 3. 42

✗ 4. 53

Question ID : 264330147330
Status : Answered
Chosen Option : 2

Q.16 Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

Z_TSVZV_R_XANP_E

Ans ✗ 1. RWHA

✗ 2. HZPX

✓ 3. RWHZ

✗ 4. UROH

Question ID : 264330146745
Status : Not Answered
Chosen Option : --

Q.17 30 is related to 41 following a certain logic. Following the same logic, 56 is related to 67. To which of the following is 12 related following the same logic?

Ans ✗ 1. 18

✗ 2. 25

✓ 3. 23

✗ 4. 22

Question ID : 264330152034
Status : Answered
Chosen Option : 3

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

_XYZU_UUSR_PQOM_

Ans

✗ 1. UVSY

✗ 2. WABC

✗ 3. WOVK

✓ 4. WUQK

Q.19 V is the mother of P. P is the brother of K. N, the brother of K, has only one child T. K is the only granddaughter of H. How is K related to T?

Ans

✗ 1. Father's mother

✗ 2. Mother

✗ 3. Sister

✓ 4. Father's sister

Q.20 What will come in the place of '?' in the following equation, if '+' and '−' are interchanged and '×'and '÷' are interchanged?

29 ÷ 2 − 14 + 16 × 4 = ?

Ans

✗ 1. 28

✗ 2. 48

✓ 3. 68

✗ 4. 88

Q.21 Four terms have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans

✗ 1. LPM

✓ 2. UQT

✗ 3. EIF

✗ 4. PTQ

Q.22 Select the triad from the below options that has the same analogy as the following triads.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /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)

3 : 26 : 8

7 : 342 : 20

Ans   ✗ 1. 2 : 9 : 5

   ✗ 2. 5 : 123 : 14

   ✗ 3. 6 : 216 : 17

   ✓ 4. 4 : 63 : 11

Q.23 In a certain code language,

U @H means 'U is the son of H',
U % H means 'U is the daughter of H',
U & H means 'U is the mother of H',
U # H means 'U is the father of H'.

If N % M#R@L&K, then how is N related to K?

Ans   ✗ 1. Brother

   ✗ 2. Daughter

   ✗ 3. Son

   ✓ 4. Sister

Q.24 HJLI is related to OQSP in a certain way based on the English alphabetical order. In the same way, BDFC is related to IKMJ. To which of the following is NPRO related to, following the same logic?

Ans   ✓ 1. UWYV

   ✗ 2. VWZX

   ✗ 3. UXYV

   ✗ 4. TVYU

Q.25 'MPSV' is related to 'ORUX' in a certain way based on the English alphabetical order. In the same way, 'CFIL' is related to 'EHKN'. To which of the following is 'ORUX' related, following the same logic?

Ans
✖ 1. QTXZ

✖ 2. QUWZ

✖ 3. QTUZ

✔ 4. QTWZ

Section : **Quantitative Aptitude**

Q.1 A and B can do a piece of work in 10 days and 15 days, respectively. They worked together, but 5 days before the completion of the work, A left. In how many days was the work completed?

Ans
✖ 1. 4

✖ 2. 8

✖ 3. 6

✔ 4. 9

Q.2 If $x : y : z = 3 : 4 : 5$, then what will be the ratio of $\left(\frac{x}{y}\right) : \left(\frac{y}{z}\right) : \left(\frac{z}{x}\right)$?

Ans
✖ 1. $49 : 37 : 100$

✔ 2. $45 : 48 : 100$

✖ 3. $41 : 37 : 100$

✖ 4. $37 : 47 : 100$

Q.3 If $\cos\theta + \sec\theta = \sqrt{3}$, then the value of $\cos^3\theta + \sec^3\theta$ is:

Ans
✔ 1. 0

✖ 2. $\frac{1}{\sqrt{3}}$

✖ 3. $\sqrt{3}$

✖ 4. $2\sqrt{3}$

Q.4 The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

The number in the brackets gives the maximum marks in each subject.

Students	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

If a student secures 80% or more in a subject, the student is considered to have received a distinction in the subject.

Who among the students below received a distinction in exactly one of the six subjects?

Ans

✗ 1. Rohit

✗ 2. Sajal

✔ 3. Tanvi

✗ 4. Tarun

Q.5 Which of the following is the nearest number to 13051 and is divisible by 9?

Ans

✗ 1. 13057

✗ 2. 13056

✔ 3. 13059

✗ 4. 13058

Q.6 If the height and slant height of a cone are 21 cm and 29 cm, respectively. Find its volume. (Use $\pi = \frac{22}{7}$)

Ans

✔ 1. 8800 cm^3

✗ 2. 8708 cm^3

✗ 3. 8440 cm^3

✗ 4. 8080 cm^3

Q.7 Ashima borrowed ₹75,000 from a nationalised bank on 26th March 2022 at the rate of 9% per annum simple interest. If she cleared the account on 7th June of the same year, then what amount did she pay?
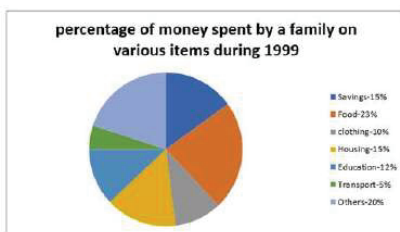
Ans ✗ 1. ₹75,000

✓ 2. ₹76,350

✗ 3. ₹1,350

✗ 4. ₹75,350

Q.8 The pie chart given here shows the spending by a family on various items during the year 1999. Study the graph and answer these questions.

percentage of money spent by a family on various items during 1999

■ Savings-15%
■ Food-23%
■ clothing-10%
■ Housing-15%
■ Education-12%
■ Transport-5%
■ Others-20%

If the total amount spent during the year 1999 was ₹46,000, the amount spent on food was:

Ans ✓ 1. ₹10,580

✗ 2. ₹23,450

✗ 3. ₹23,000

✗ 4. ₹2,000

Q.9 If $\cos(3\alpha) = \sin(\alpha - 22°)$, where $3\alpha < 90°$, then what is the value of α ?

Ans ✗ 1. 29°

✗ 2. 26°

✗ 3. 27°

✓ 4. 28°

Q.10 If $\sec\theta - \tan\theta = m$, then $2\tan\theta = ?$

Ans

✗ 1. $\dfrac{1-m}{m}$

✔ 2. $\dfrac{1-m^2}{m}$

✗ 3. $\dfrac{1+m^2}{m}$

✗ 4. $\dfrac{m^2-1}{m}$

Question ID : 264330147946
Status : **Answered**
Chosen Option : **2**

Q.11 The average weight of the group of 12 players increases by 1.5 kg when a player who weighs 63 kg is replaced by a new player. What is the weight of the new player?

Ans

✗ 1. 84 kg

✔ 2. 81 kg

✗ 3. 83 kg

✗ 4. 79 kg

Question ID : 264330147850
Status : **Answered**
Chosen Option : **2**

Q.12 In a 5 km race, S gave a 500 m head start to T. If they finished the race at the same time and the speed of T is 13.5 km/h, the speed of S is:

Ans

✔ 1. 15 km/h

✗ 2. 20 km/h

✗ 3. 17.5 km/h

✗ 4. 16.5 km/h

Question ID : 264330147667
Status : **Answered**
Chosen Option : **1**

Q.13 A circle with centre O has a chord AB that is 20 cm in length. If the radius of the circle is 12 cm, then the area of triangle AOB is:

Ans

✗ 1. $20\sqrt{15} \text{ cm}^2$

✗ 2. $22\sqrt{11} \text{ cm}^2$

✔ 3. $20\sqrt{11} \text{ cm}^2$

✗ 4. $22\sqrt{15} \text{ cm}^2$

> Question ID : **264330147941**
> Status : **Answered**
> Chosen Option : **3**

Q.14 If $\tan\theta = \frac{8}{19}$, find the value of $\sec^2\theta$.

Ans

✗ 1. $\frac{11}{19}$

✗ 2. $1\frac{8}{19}$

✗ 3. $\frac{297}{361}$

✔ 4. $1\frac{64}{361}$

> Question ID : **264330146836**
> Status : **Answered**
> Chosen Option : **3**

Q.15 The cost of 3 breads and 1 packet of juice at a certain store is ₹323.50. At the same store, the cost of 5 breads and 1 packet of juice is ₹433.50. What will be the cost of 2 breads and 2 packets of juice at this store?

Ans

✔ 1. ₹427

✗ 2. ₹350

✗ 3. ₹433

✗ 4. ₹403

> Question ID : **264330151137**
> Status : **Answered**
> Chosen Option : **1**

Q.16 In how many years will ₹ 40000 amounts to ₹ 46656 at the rate of 8% compound interest per annum?

Ans

✗ 1. 5

✔ 2. 2

✗ 3. 4

✗ 4. 3

> Question ID : **264330150826**
> Status : **Answered**
> Chosen Option : **2**

Q.17 Two triangles MNO and XYZ are given similar with the ratio of their side as 9 : 4. If the area of the larger triangle is 243 sq.cm, then the area of smaller triangle will be:

Ans
❌ 1. 162 sq.cm

❌ 2. 28 sq.cm

✅ 3. 48sq.cm

❌ 4. 16 sq.cm

Q.18 If $a = \frac{1}{a-\sqrt{6}}$ $(a > 0)$, then the value of $\left(a + \frac{1}{a}\right)$ is:

Ans
❌ 1. $\sqrt{6}$

✅ 2. $\sqrt{10}$

❌ 3. $\sqrt{15}$

❌ 4. $\sqrt{7}$

Q.19 Manoj marked his goods 30% above the Cost Price and gives a 12% discount to the customers. The profit or loss percentage is:

Ans
❌ 1. 14.8% loss

❌ 2. 15.4% profit

✅ 3. 14.4% profit

❌ 4. 15% loss

Q.20 If $x = \frac{1}{x-5}$ $(x > 0)$, then the value of $x + \frac{1}{x}$ is:

Ans
❌ 1. $\sqrt{41}$

✅ 2. $\sqrt{29}$

❌ 3. $\sqrt{23}$

❌ 4. $\sqrt{43}$

Q.21 A shopkeeper marked a product, 40% above the cost price and sold the product for ₹3,780 by giving a discount of 10%. The profit percentage of the shopkeeper is:

Ans ✗ 1. 30%

  ✓ 2. 26%

  ✗ 3. 42%

  ✗ 4. 14%

Q.22 The following table represents the number of five different types of cars A, B, C, D, and E manufactured by a company over five years. Read the table carefully and answer the question given below:

Years/Cars	A	B	C	D	E
2018	2550	2675	2400	2000	450
2019	2600	2800	2550	1900	375
2020	2775	2600	2600	2000	400
2021	2800	2750	2500	1975	475
2022	3000	2800	2650	2100	500

What is the percentage increment in the production of D-type of cars in the year 2022 in comparison to the previous year? (correct up to two decimal places)

Ans ✗ 1. 6.95%

  ✗ 2. 5.95%

  ✗ 3. 6.13%

  ✓ 4. 6.33%

Q.23 In a circle of radius 14 cm, an arc subtends an angle of 90° at the centre. The length of arc (in cm) is equal to:

Take $\pi = \frac{22}{7}$

Ans ✓ 1. 22

  ✗ 2. 18

  ✗ 3. 20

  ✗ 4. 24

Q.24 Amisha announced a festival discount of 30% on all items in her gift shop. Gurmeet bought a gift for himself. He got a discount of ₹1,110. What was the marked price of the gift?

Ans ✗ 1. ₹3,650

✗ 2. ₹3,750

✗ 3. ₹3,850

✓ 4. ₹3,700

Question ID : **264330146520**
Status : **Answered**
Chosen Option : **4**

Q.25 S sells an item costing ₹37,800 to P with 8% profit. P sells it to Q with a 4% loss. At what price (in ₹) does P sell the item? (Correct to a nearest rupee)

Ans ✗ 1. 39,919

✗ 2. 39,119

✓ 3. 39,191

✗ 4. 39,911

Question ID : **264330150593**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 RK Bijapure played which of the following musical instruments?

Ans ✓ 1. Harmonium

✗ 2. Tabla

✗ 3. Ravanahatha

✗ 4. Sitar

Question ID : **264330148683**
Status : **Not Answered**
Chosen Option : **--**

Q.2 Which of the following statements is/are correct about speculative demand for money?

i. It is Perfectly interest elastic
ii. It is Relatively interest elastic
iii. It is Perfectly interest inelastic
iv. It is Relatively interest inelastic

Ans ✗ 1. Only iii and iv

✗ 2. Only iii

✗ 3. Only i and ii

✓ 4. Only ii

Question ID : **264330145879**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Which of the following is enforceable by the Indian Constitution?

Ans
- ✗ 1. Preamble
- ✔ 2. Fundamental rights
- ✗ 3. Directive principles of state policy
- ✗ 4. Fundamental duties

Q.4 Which of the following regions of India has the maximum concentration of iron and steel industries?

Ans
- ✗ 1. Western Ghats
- ✗ 2. Deccan Plateau
- ✔ 3. Chhota Nagpur plateau
- ✗ 4. Indo-Gangetic plains

Q.5 Which of the following is declared as a Wild Ass Sanctuary?

Ans
- ✗ 1. Ladakh
- ✗ 2. Sunderbans
- ✗ 3. Spiti Valley
- ✔ 4. Rann of Kachchh

Q.6 Which of these is NOT a flow concept?

Ans
- ✗ 1. Profit of a corporation
- ✗ 2. Output produced by a firm
- ✗ 3. Interest expense on loan
- ✔ 4. Number of machines used in a factory

Q.7 Import substitution strategy is commonly called _____.

Ans

✗ 1. make in India campaign

✗ 2. outward looking trade strategy

✗ 3. balanced trade strategy

✓ 4. inward looking trade strategy

Q.8 Which of the following dance forms is performed by the Adi tribe of Arunachal Pradesh?

Ans

✓ 1. Tapu

✗ 2. Karma

✗ 3. Sangphao

✗ 4. Kaksar

Q.9 The Fugitive Economic Offenders Act, 2018, which has come into force on the 21st of April 2018, extends to:

Ans

✓ 1. whole of India

✗ 2. only Gujarat

✗ 3. only Maharashtra

✗ 4. only union territories

Q.10 Under which Article of the Directive Principles of State Policy, a working woman on maternity leave, must receive all maternity benefits from the employer?

Ans

✓ 1. Article 42

✗ 2. Article 44

✗ 3. Article 45

✗ 4. Article 43

Q.11 Which of the following statement(s) is true?

A) Higher inflation means lower real GDP, ceteris paribus

B) Price Index is 200 if nominal GDP and real GDP are the same

Ans ✗ 1. Only B

✗ 2. Both A and B

✓ 3. Only A

✗ 4. Neither A nor B

Question ID : **264330145749**
Status : **Answered**
Chosen Option : **4**

Q.12 Which of the following states had the highest percentage of Scheduled Tribes in the country as per census 2011?

Ans ✗ 1. Rajasthan

✗ 2. Maharashtra

✓ 3. Madhya Pradesh

✗ 4. Chhattisgarh

Question ID : **264330149374**
Status : **Answered**
Chosen Option : **3**

Q.13 The headquarters of the Ghadar Movement was located at which of the following places?

Ans ✓ 1. San Francisco

✗ 2. London

✗ 3. New York

✗ 4. Kabul

Question ID : **264330148586**
Status : **Answered**
Chosen Option : **1**

Q.14 Who introduced Mansabdari system into the administration under the Mughals?

Ans ✓ 1. Akbar

✗ 2. Shah Jahan

✗ 3. Aurangzeb

✗ 4. Jahangir

Question ID : **264330148574**
Status : **Answered**
Chosen Option : **1**

Q.15 Which of the following indicators is the best to assess the living standard of people?

Ans
- ✗ 1. Literacy rate
- ✓ 2. Physical quality of life index
- ✗ 3. Neonatal mortality rate
- ✗ 4. Maternal mortality rate

Question ID : **264330150152**
Status : **Answered**
Chosen Option : **2**

Q.16 In March 2023, a stadium was named after which the following female hockey players?

Ans
- ✗ 1. Poonam Rani
- ✗ 2. Sushila Chanu
- ✗ 3. Navjot Kaur
- ✓ 4. Rani Rampal

Question ID : **264330152390**
Status : **Answered**
Chosen Option : **4**

Q.17 Lactitol is derived through the hydrogenation of:

Ans
- ✗ 1. maltose
- ✗ 2. lactic acid
- ✓ 3. lactose
- ✗ 4. glucose

Question ID : **264330144478**
Status : **Answered**
Chosen Option : **3**

Q.18 The term 'tackle point' is associated with _____.

Ans
- ✗ 1. Football
- ✗ 2. Baseball
- ✗ 3. Hockey
- ✓ 4. Kabaddi

Question ID : **264330146002**
Status : **Not Answered**
Chosen Option : **--**

Q.19 In January 2023, _____ was appointed as the next Director General in the Directorate General of Civil Aviation (DGCA).

Ans ✗ 1. Arvind Singh

✗ 2. MR Synrem

✔ 3. Vikram Dev Dutt

✗ 4. V Vidyavathi

Question ID : **264330150063**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Which of the following tests is used for starch detection?

Ans ✔ 1. Iodine test

✗ 2. Glucose test

✗ 3. Salt test

✗ 4. Sodium test

Question ID : **264330144479**
Status : **Answered**
Chosen Option : **1**

Q.21 Which of the following is NOT an example of fiat money in India?

Ans ✗ 1. ₹500 currency note

✔ 2. ₹200 bank cheque

✗ 3. ₹20 coin

✗ 4. ₹10 coin

Question ID : **264330145710**
Status : **Not Answered**
Chosen Option : **--**

Q.22 At Mumbai's Wankhede Stadium, India defeated Australia by how many wickets in the first ODI of the three match series in March 2023?

Ans ✗ 1. 4 wickets

✗ 2. 6 wickets

✗ 3. 2 wickets

✔ 4. 5 wickets

Question ID : **264330150068**
Status : **Not Answered**
Chosen Option : **--**

Q.23 'Which of the following statements are CORRECT:
a) The Sarhul festival is celebrated in Jharkhand.
b) Sal tree flowers are collected and offered to God during the Sarhul festival.
c) The flowers of the Sal tree symbolise the fertility of Earth.

Ans ✗ 1. Only a and c

✗ 2. Only a and b

✔ 3. All a, b and c

✗ 4. Only b and c

Question ID : **264330150419**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Which actress-cum-dancer was honoured with the Padma Bhushan award in 2011?

Ans ✗ 1. Hema Malini

✔ 2. Waheeda Rehman

✗ 3. Meena Kumari

✗ 4. Rekha

Question ID : **264330151263**
Status : **Not Answered**
Chosen Option : **--**

Q.25 What is the other name of Bharathapuzha, the longest river of Kerala, which flows from the west and falls into the Arabian Sea?

Ans ✗ 1. Ittikkara

✗ 2. Ayiroor

✔ 3. Ponnani

✗ 4. Kallayi

Question ID : **264330145650**
Status : **Not Answered**
Chosen Option : **--**