Section 1 - Online Examination

Question No.1   1.00

Bookmark ☐

Which Constitutional Amendment Act was given to Sikkim as the full state of the Union of India?

(A) ○ 34th Constitutional Amendment - (Alternative 3)

(B) ○ **36th Constitutional Amendment - (Alternative 2)**

(C) ○ 42nd Constitutional Amendment - (Alternative 4)

(D) ○ 38th Constitutional Amendment - (Alternative 1)

Question No.2   1.00

Bookmark ☐

In relation to physical health, which word defines the person's ability to change direction?

(A) ○ Speed - (Optional 4)

(B) ○ **Enlightenment - (Alternative 2)**

(C) ○ Stamina - (Alternative 1)

(D) ○ Force - (Optional 3)

Question No.3   1.00

Bookmark ☐

What is defined as the magnitude of the runoff velocity on the electric field per unit?

(A) ○ **Mobility - (Alternative 1)**

(B) ○ Electric Flow Density - (Optional 3)

(C) ○ Electrical Density - (Alternative 2)

(D) ○ Power Trend - (Alternative 4)

Question No.4   1.00

Bookmark ☐

For a brief change in momentum, a heavy force working for a short time is called _____.

(A) ○ Stress Force - (Alternative 2)

(B) ○ Frictional Force - (Alternative 4)

(C) ○ Experimental Force - (Alternative 3)

(D) ○ **Impulsive force - (Alternative 1)**

Question No.5   1.00

Bookmark ☐

Who started the Ahmadiyya movement?

(A) ○ Syed Ahmed Khan - (Alternative 4)

(B) ○ Syed Ahmed Barelvi - (Alternative 3)

(C) ○ **Mirza Ghulam Ahmad - (Alternative 2)**

(D) ○ Haji Shariatullah - (Alternative 1)

Question No.6   1.00

Bookmark ☐

Economic activities in which natural resources such as agriculture, forestry, fisheries etc. are used directly,
(A) ○ Secondary Zone - (Alternative 3)
(B) ○ Defense Zone - (Alternative 2)
(C) ○ **Primary area - (Alternative 1)**
(D) ○ Tertiary Zone - (Alternative 4)

Question No.7   1.00

Bookmark ☐

Aksai Chin is located in which state?
(A) ○ Nagaland - (Alternative 4)
(B) ○ Arunachal Pradesh - (Alternative 1)
(C) ○ Sikkim - (Alternative 3)
(D) ○ **Jammu and Kashmir - (Alternative 2)**

Question No.8   1.00

Bookmark ☐

In which area of India did gold digging?
(A) ○ Jharia - (Alternative 4)
(B) ○ Salem - (Alternative 2)
(C) ○ **Caller - (Alternative 1)**
(D) ○ Raniganj - (Alternative 3)

Question No.9   1.00

Bookmark ☐

The collision in which the two particles operate simultaneously after concussion are called _____.
(A) ○ Elastic Concussion - (Alternative 1)
(B) ○ Inylastic concussion - (Alternative 2)
(C) ○ Fully Elastic Concussion - (Alternative 3)
(D) ○ **Fully inelastic concussion - (Alternative 4)**

Question No.10   1.00

Bookmark ☐

Who was the founder of the newspaper 'Indian Opinion'?
(A) ○ **Mahatma Gandhi - (Alternative 2)**
(B) ○ Gopal Krishna Gokhale - (Alternative 1)
(C) ○ Pandit Jawaharlal Nehru - (Alternative 4)
(D) ○ Netaji Subhash Chandra Bose - (Alternative 3)

Question No.11   1.00

Bookmark ☐

The author of the book 'Wealth of Nations'
(A) ○ United Nations - (Alternative 3)
(B) ○ Cholsen - (Alternative 4)
(C) ○ **Adam Smith - (Alternative 1)**
(D) ○ Lional Robbins - (Alternative 2)

Question No.12   1.00

Bookmark ☐

Which committee is of semi-judicial nature?
(A) ○ Petition Committee - (Alternative 1)
(B) ○ **Privileges Committee - (Alternative 2)**
(C) ○ Ethics Committee - (Alternative 3)
(D) ○ Subordinate Legislative Committee - (Alternative 4)

Question No.13   1.00

Bookmark ☐

F1 race is related to which of the following personalities is Sebastian Vettel?
(A) ○ England - (Alternative 4)
(B) ○ France - (Alternative 1)
(C) ○ **Germany - (Alternative 3)**
(D) ○ United States - (Alternative 2)

Question No.14   1.00

Bookmark ☐

Which of the following committees recommended the policy of democratic decentralization?
(A) ○ Hanumant Rao Committee - (Alternative 4)
(B) ○ **Balwant Ray Mehta Committee - (Alternative 3)**
(C) ○ GVK Rao Committee - (Alternative 2)
(D) ○ Ashok Mehta Committee - (Alternative 1)

Question No.15   1.00

Bookmark ☐

Which of the following is a dwarf planet?
(A) ○ Mercury Planet - (Alternative 1)
(B) ○ Venus Planet - (Alternative 3)
(C) ○ Varuna Planet - (Alternative 4)
(D) ○ **Pluto Planet - (Alternative 2)**

Question No.16   1.00

Bookmark ☐

In which of the following religions is the mention of four Arya Satyas for achieving Nirvana?
(A) ○ Hinduism - (Alternative 3)
(B) ○ Jainism - (Alternative 1)
(C) ○ **Buddhism - (Alternative 2)**
(D) ○ Livelihood - (Alternative 4)

Question no.17

1.00

Bookmark ☐

How much time can be banned by the Rajya Sabha on the money bill?
(A) ○ 21 days - (Optional 2)
(B) ○ **14 Days - (Optional 1)**
(C) ○ 180 days - (Optional 4)
(D) ○ 30 days - (Optional 3)

Question No.18

1.00

Bookmark ☐

In the Intestinal Mucosal Epithelium, which cell secrete Mucus?
(A) ○ Guard Cell - (Alternative 3)
(B) ○ **Goblet Cell - (Alternative 2)**
(C) ○ Blood Cell - (Alternative 4)
(D) ○ Chaim Cell - (Alternative 1)

Question No.19

1.00

Bookmark ☐

Which of the following is called God of medicine?
(A) ○ Aryabhatta - (Alternative 4)
(B) ○ Patanjali - (Alternative 2)
(C) ○ Panini - (Alternative 3)
(D) ○ **Dhanvantar - (Alternative 1)**

Question No.20

1.00

Bookmark ☐

Where is the famous Mahabodhi Temple located?
(A) ○ Kushinagar - (Alternative 4)
(B) ○ Lumbini - (Alternative 2)
(C) ○ **Bodh Gaya - (Alternative 3)**
(D) ○ Sarnath - (Alternative 1)

Question no.21

1.00

Bookmark ☐

Who is the author of the book 'Lilavati'
(A) ○ Aryabhatta - (Alternative 2)
(B) ○ Ashwani Kumar - (Alternative 3)
(C) ○ **Bhashachacharya - (Alternative 4)**
(D) ○ Brahmagupta - (Alternative 1)

Question no.22

1.00

Bookmark ☐

Which tree is found in tropical deciduous forests?
(A) ○ Toon - (Alternative 4)
(B) ○ Sheesham - (Alternative 1)
(C) ○ Cedar - (Alternative 3)

(D) ○ **Sandalwood - (Alternative 2)**

Question no.23

1.00

Bookmark ☐

Name the separate entity that controls the symptoms in the rule of effectiveness?
(A) ○ Test Cross - (Alternative 1)
(B) ○ Phenotype - (Alternative 4)
(C) ○ **Factors - (Alternative 3)**
(D) ○ Genotype - (Alternative 2)

Question no.24

1.00

Bookmark ☐

Worldwide investment is called MNCs-
(A) ○ Mutual Fund - (Alternative 2)
(B) ○ Public Fund Investment - (Alternative 1)
(C) ○ **Foreign Investment - (Alternative 3)**
(D) ○ Corporate Fund - (Alternative 4)

Question No.25

1.00

Bookmark ☐

The budget mentioned in the Constitution is called-
(A) ○ Annual Budget - (Alternative 1)
(B) ○ Annual expenditure - (Optional 4)
(C) ○ **Annual Financial Statement - (Optional 3)**
(D) ○ Accounting Details - (Alternative 2)

Question no.26

1.00

Bookmark ☐

Who was the Chairman of the National Commission to review the functioning of the Constitution?
(A) ○ Indrajeet Gupta - (Alternative 1)
(B) ○ **Manapalli Narayanrao Venkatachalia - (Alternative 4)**
(C) ○ Veerappa Moily - (Alternative 3)
(D) ○ Logic - (Alternative 2)

Question no.27

1.00

Bookmark ☐

National waterway number 1 flows between those areas in the Ganges?
(A) ○ **Allahabad and Haldia - (Alternative 2)**
(B) ○ Allahabad and New Delhi - (Alternative 4)
(C) ○ Allahabad and Kanpur - (Alternative 1)
(D) ○ Allahabad and Patna - (Alternative 3)

Question no.28

1.00

Bookmark ☐

Khadar belt is known in the plains of Punjab and Haryana
(A) ○ Strait - (Alternative 4)

(B) ○ Wetland - (Alternative 3)
(C) ○ **Bet Land - (Alternative 1)**
(D) ○ Kharif - (Alternative 2)

Question no.29   1.00
Bookmark ☐

Which of the following rivers is not an international river?
(A) ○ Indus - (Alternative 1)
(B) ○ **Mahanadi - (Alternative 2)**
(C) ○ Ganga - (Alternative 3)
(D) ○ Brahmaputra - (Alternative 4)

Question No.30   1.00
Bookmark ☐

When an organism is divided by a plane from the central axis, that organ divides into two homogeneous parts, it is called _____.
(A) ○ Single Commemorative - (Optional 4)
(B) ○ Asymmetry - (Alternative 3)
(C) ○ **Radial symmetry - (Alternative 2)**
(D) ○ Bimetal Symmetry - (Alternative 1)

Question No.31   1.00
Bookmark ☐

Where was the first session of the Indian National Congress?
(A) ○ Madras - (Alternative 3)
(B) ○ Allahabad - (Alternative 2)
(C) ○ **Bombay - (Alternative 4)**
(D) ○ Calcutta - (Alternative 1)

Question No.32   1.00
Bookmark ☐

Basavanna's followers were called
(A) ○ **Virash - (Alternative 3)**
(B) ○ Nayanmar - (Alternative 2)
(C) ○ Nathpanthi - (Alternative 4)
(D) ○ Alwar - (Alternative 1)

Question No.33   1.00
Bookmark ☐

Who discovered the US?
(A) ○ Ferdinand Magellan - (Alternative 1)
(B) ○ **Christopher Columbus - (Optional 3)**
(C) ○ Tasman - (Alternative 2)
(D) ○ Megasthenes - (Alternative 4)

Question No.34   1.00

In cyclical structure of glucose, what is the cyclic organic composition made from the sum of an oxygen molecule and the sum of five carbon molecules?

(A) ○ Fructose - (Alternative 2)

(B) ○ **Pyren - (Alternative 1)**

(C) ○ Anomam - (Alternative 3)

(D) ○ Trio - (Alternative 4)

Question No.35   1.00

Which country has hosted the first Football World Cup?

(A) ○ **Uruguay - (Alternative 2)**

(B) ○ United States - (Alternative 1)

(C) ○ Australia - (Alternative 4)

(D) ○ France - (Alternative 3)

Question No.36   1.00

The international date line passes through which strait?

(A) ○ **Bering Strait - (Alternative 4)**

(B) ○ Bassorp Strait - (Alternative 3)

(C) ○ Pak Strait - (Alternative 2)

(D) ○ Boss Strait - (Alternative 1)

Question No.37   1.00

The word 'shake hand grip' is related to which game?

(A) ○ Canoeing - (Alternative 1)

(B) ○ Weight Lift - (Alternative 3)

(C) ○ Swimming - (Alternative 2)

(D) ○ **Table Tennis - (Alternative 4)**

Question No.38   1.00

Which system of choice is known by the majority system?

(A) ○ Proportional representation with single transferable vote - (Optional 3)

(B) ○ **Most Wanted Person's Victory (First Past The Post) - (Alternative 1)**

(C) ○ Simple majority system with single transferable vote - (Optional 4)

(D) ○ Proportional representation - (Optional 2)

Question No.39   1.00

Who was the first Englishman to win the Indian Open Golf Tournament of 2018?

(A) ○ Brooks CoApca - (Alternative 4)

(B) ○ **Matt Wallace - (Alternative 1)**

(C) ○ Tiger Woods - (Alternative 3)

(D) ○ Helena Sakova - (Alternative 2)

Question No.40   1.00

Bookmark ☐

What kind of fraternity has been ensured in the preamble of the Indian Constitution?
(A) ○ Financial Justice - (Alternative 2)
(B) ○ Symmetry of the nation - (Alternative 4)
(C) ○ Social Justice - (Alternative 1)
(D) ○ **Integrity and integrity of the person's dignity and nation - (Alternative 3)**

Question No.41   1.00

Bookmark ☐

Who gave the slogan 'Return to the Vedas'?
(A) ○ Lala Lajpat Rai - (Alternative 4)
(B) ○ Swami Vivekananda - (Alternative 1)
(C) ○ Ramakrishna Paramhansa - (Alternative 3)
(D) ○ **Dayanand Saraswati - (Alternative 2)**

Question No.42   1.00

Bookmark ☐

Which acid is used in the construction of nylon-66?
(A) ○ Ethanic Acid - (Alternative 4)
(B) ○ Benzoic acid - (Alternative 2)
(C) ○ **Adipic Acid - (Alternative 1)**
(D) ○ Methanoke Acid - (Alternative 3)

Question No.43   1.00

Bookmark ☐

Can the amendment of Money Bill be done by whom?
(A) ○ Only by the Rajya Sabha - (Alternative 1)
(B) ○ Chief Minister - (Alternative 3)
(C) ○ Leader of the Opposition - (Alternative 4)
(D) ○ **Only by the Lok Sabha - (Alternative 2)**

Question no.44   1.00

Bookmark ☐

When was the 'Human Development Index' first published?
(A) ○ **1990 - (Optional 1)**
(B) ○ 1994 - (Optional 3)
(C) ○ 1996 - (Optional 4)
(D) ○ 1992 - (Alternative 2)

Question No.45   1.00

Bookmark ☐

Which Mughal ruler had implemented the Manashbari system?
(A) ○ **Akbar - (Alternative 4)**

(B) ○ Humayun - (Alternative 2)

(C) ○ Babar - (Alternative 1)

(D) ○ Darachikoh - (Alternative 3)

Question No.46   1.00

Bookmark ☐

Which of the following is known by the name of Oceania?

(A) ○ Antarctica - (Alternative 4)

(B) ○ Asia - (Alternative 2)

(C) ○ **Australia - (Alternative 1)**

(D) ○ Europe - (Alternative 3)

Question no.47   1.00

Bookmark ☐

The electron added with the highest principal quantum number, along with the electronic shell, is called _____.

(A) ○ Effective Electron - (Alternative 2)

(B) ○ Band Electron - (Alternative 4)

(C) ○ Core Electron - (Alternative 1)

(D) ○ **Valence Electron - (Alternative 3)**

Question no.48   1.00

Bookmark ☐

Which of these colors is not used in the Olympic flag?

(A) ○ Yellow - (Alternative 2)

(B) ○ **Brown - (Optional 3)**

(C) ○ Blue - (Alternative 4)

(D) ○ Red - (Alternative 1)

Question No.49   1.00

Bookmark ☐

What does the term "growth" mean in economics?

(A) ○ Economic Development - (Alternative 2)

(B) ○ Continuous growth and development - (Alternative 4)

(C) ○ Health Factors - (Alternative 3)

(D) ○ **Economic Growth - (Alternative 1)**

Question No.50   1.00

Bookmark ☐

Which of the following is done by Panchayat and Corporation elections organized by whom?

(A) ○ Indian Election Commission - (Alternative 1)

(B) ○ **State Election Commission - (Alternative 3)**

(C) ○ High Court of the State - (Alternative 4)

(D) ○ State Legislature - (Alternative 2)

Question No.51   1.00

None of the following five are equal in one particular way and form a group. Which one is not related to that group?
F, H, C, J, L

(A) ○ **C - (Alternative 3)**
(B) ○ J - (Alternative 2)
(C) ○ F - (Alternative 4)
(D) ○ H - (Alternative 1)

Question No.52   1.00

Change the question mark with the option that follows the argument applied in the first pair N: D ::
W: ??
(A) ○ **M - (Alternative 1)**
(B) ○ P - (Alternative 4)
(C) ○ O - (Optional 3)
(D) ○ N - (Alternative 2)

Question No.53   1.00

Replace the question mark with the option that follows the applicable argument in the Combination Inferior: Superior :: Inhale: ??
(A) ○ **Exhale - (Optional 2)**
(B) ○ Eating - (Alternative 4)
(C) ○ Gym - (Alternative 3)
(D) ○ Medicine - (Alternative 1)

Question No.54   1.00

In this question, there are three statements showing the relation, which follow the three conclusions i, ii and iii. Believing the statement as true, find out which findings are completely true.

Statement: A ≤ B <S; S = E> N; N> C = T

Conclusion:
i) B <N
ii) E> T
iii) A <C

(A) ○ I only) and ii) - (optional 1)
(B) ○ Only ii) and iii) - (Optional 2)
(C) ○ **Only ii) - (Optional 3)**
(D) ○ All are rational - (Alternative 4)

Question no.55   1.00

A's sister is married to Mrinal Uncle of B. What is the relation between A's sister to A's mother?
(A) ○ Aunt - (Alternative 4)

(B) ○ Mother-in-law - (Alternative 2)
(C) ○ **Sister-in-law - (Alternative 3)**
(D) ○ Sister - (Alternative 1)

Question no.56   1.00

Three statements and three conclusions have been given in this question. You have to consider both the conclusions by considering the statement as true and deciding which conclusions are logically logical beyond any doubt.

Statement: All men are singers. Some singers are actors. All the actors are women.

Conclusion:
i) Some male actors are
ii) Some men are women
iii) Some women are singers

(A) ○ I only) and ii) - (optional 1)
(B) ○ **Only iii) - (Optional 4)**
(C) ○ Only ii) and iii) - (optional 3)
(D) ○ Only i) and iii) - (Optional 2)

Question no.57   1.00

In this question, a passage and a related statement have been given. Read the passage carefully and assess the statement based on it.

Using knives and screws, two Russian astronauts on Tuesday took a sample of substance around a mysterious cavity of the spacecraft called the Soyuz, which was placed in the International Space Station, a Moscow official suggested that it was a break - It can also be done. In August, two months after the last visit of the vehicle, the air leak was detected in the Soyuz spacecraft due to the 2mm air in the ISS. Roskosmos, an astronomical institute, says that cutting off the insulation on the hole and sampling the material around it and the purpose of putting a new insulation on it is to find out that this small but dangerous hole has been done on earth or Is in space. The chief of Roskosmos has said that the error of manufacturing has not been found in the investigation.
Experienced astronauts had to struggle but they managed their mission. Before the spacewalk, astronauts were able to inspect the hole just from within the spacecraft. The biggest difficulty was that in the Soyuz spacecraft, the ISS was not designed to improve during adverse weather space, and no railing was also made to catch the space passengers outside the vehicle.

Statement: In the Soyuz spacecraft, the air leak due to the presence of the leak was detected after two months of the last visit.

Select the appropriate from the given options
A - Statement is completely true
B - The statement is
possibly true C - the statement can not be determined
D - Statement is completely false

(A) ○ B - (Alternative 2)
(B) ○ D - (Alternative 4)

(C) ○ **A - (Alternative 1)**
(D) ○ C - (Alternative 3)

Question no.58   1.00

Bookmark ☐

Replace the question mark with the option that follows the applied logic in the first pair 1002: 9 ::
2023: ??
(A) ○ 50 - (Optional 3)
(B) ○ 45 - (Optional 1)
(C) ○ 51 - (Optional 4)
(D) ○ **49 - (Alternative 2)**

Question No.59   1.00

Bookmark ☐

In this question two statements and two conclusions i and ii have been given. You have to
consider both the conclusions by considering the statement as true and deciding which
conclusions are logically logical beyond any doubt.

Statement: All balls are bat. All bats are rubber.

Conclusion:
i) All balls are rubber.
ii) There are some rubber balls.
Select the correct option from the given options.

(A) Only conclusions i is logical
(B) Only conclusions ii is rational
(C) or conclusions i or ii is rational
(D) nor the conclusions ii is rational
(E) both the conclusions i and ii are rational

(A) ○ B - (Alternative 2)
(B) ○ C - (Alternative 3)
(C) ○̄ A - (Alternative 1)
(D) ○ **E - (Alternative 4)**

Question No.60   1.00

Bookmark ☐

Find the next number in the series.
10, 23, 43, 89, 175,?
(A) ○ 352 - (Alternative 2)
(B) ○ **353 - (Optional 3)**
(C) ○ 355 - (Optional 4)
(D) ○ 351 - (Optional 1)

Question No.61   1.00

Bookmark ☐

In this question, the relation between different elements is shown in the statement. After the
statement, two conclusions are given:

Statement: A = N ≤ L <Y> S

Conclusion:
i) A ≤ L
ii) L <T

Select the correct option from the given options.
(A) Only conclusions i is logical
(B) Only conclusions ii is rational
(C) or conclusions i or ii is rational
(D) nor the conclusions ii is rational
(E) both the conclusions i and ii are rational

(A) ○ B - (Alternative 2)
(B) ○ D - (Alternative 4)
(C) ○ C - (Alternative 3)
(D) ○ **A - (Alternative 1)**

Question No.62   1.00

Bookmark ☐

On each part of the dice, there are 6 letters B, C, D, E, F and G, as shown in the picture. What is the letter on the opposite part of the letter E?
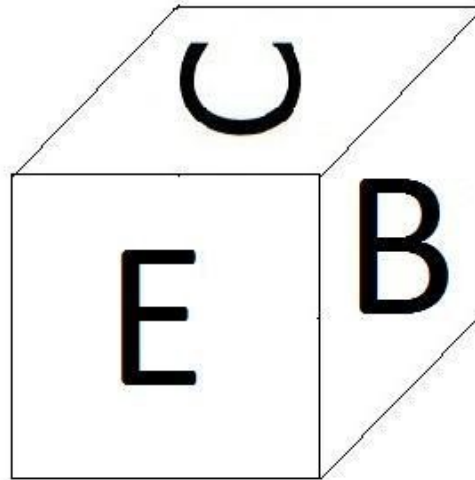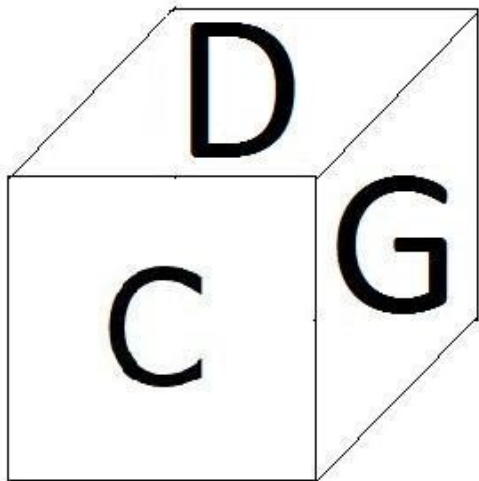
(A) ○ F - (Optional 3)
(B) ○ **G - (Alternative 1)**
(C) ○ C - (Alternative 4)
(D) ○ B - (Alternative 2)

Question No.63   1.00

Bookmark ☐

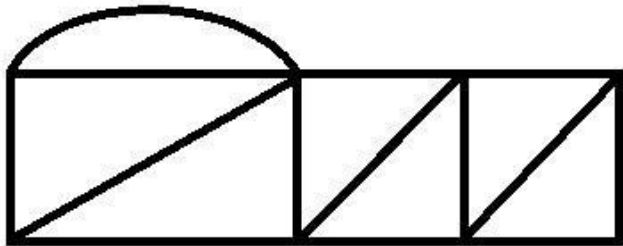Select the correct option from the given options which can create a full square (3 of the 5 images given below):
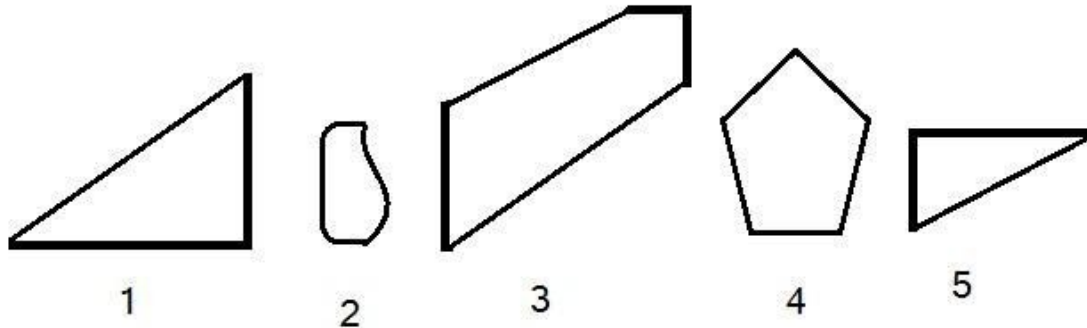
(A) ○ 1,4,5 - (Alternative 2)
(B) ○ 2,3,4 - (Optional 3)
(C) ○ 1,3,4 - (Optional 1)
(D) ○ **1,3,5 - (Optional 4)**

Question No.64

1.00

Bookmark ☐

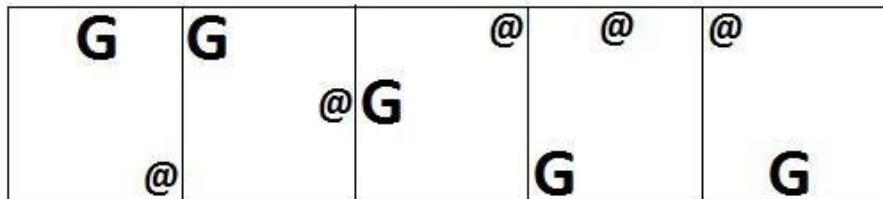How many right-angled triangles can be made from the given shape?

(A) ○ 9 - (Optional 3)
(B) ○ **6 - (Optional 1)**
(C) ○ 7 - (Optional 2)
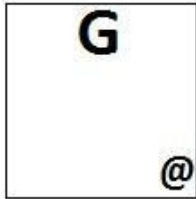(D) ○ 4 - (Optional 4)

Question No.65

1.00

Bookmark ☐

Which of the given options would be the next shape of the given series?

(A) ○

- (Optional 1)

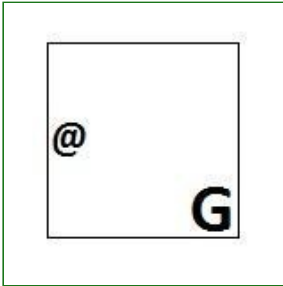(B) ○
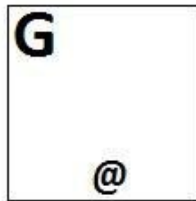

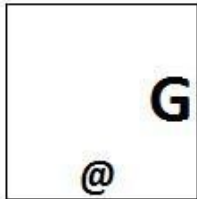- (Optional 2)

(C) ○

- (Optional 4)

(D) ○

- (Optional 3)

Question No.66   1.00

Pointing to the photo of a girl, a woman said, "She is the daughter of my friend Thanu's sister's mother's son." Thanu's relationship with that girl?

(A) ○ Cage - (Alternative 2)

(B) ○ Mother - (Alternative 3)

(C) ○ **Aunt - (Alternative 1)**

(D) ○ Nice - (Alternative 4)

Question No.67   1.00

In this question, a statement and two conclusions related to it have been given i and ii. You have to consider both the conclusions as the truth and to decide which conclusions are logically logical beyond any doubt in the information given in the statement.

Statement: Rahim is watching the cricket match which makes him feel interesting.

Conclusion:
i) Rahim likes cricket.

ii) Rahim is in the Cricket Stadium.

Select the correct option from the options below
(A) only conclusion i logical
(B) only conclusion ii logical
(C) or conclusion i or ii logical
(D) not conclude i nor ii rational
(E) Both conclusions i and ii are rational

(A) ⃝ **D - (Alternative 4)**
(B) ⃝ A - (Alternative 1)
(C) ⃝ B - (Alternative 2)
(D) ⃝ C - (Alternative 3)

Question No.68   1.00

In this question, a passage and a related statement have been given. Read the passage carefully and assess the statement based on it.

Using knives and screws, two Russian astronauts on Tuesday took a sample of substance around a mysterious cavity of the spacecraft called the Soyuz, which was placed in the International Space Station, a Moscow official suggested that it was a break - It can also be done. In August, two months after the last visit of the vehicle, the air leak was detected in the Soyuz spacecraft due to the 2mm air in the ISS. Roskosmos, an astronomical institute, says that cutting off the insulation on the hole and sampling the material around it and the purpose of putting a new insulation on it is to find out that this small but dangerous hole has been done on earth or Is in space. The chief of Roskosmos has said that the error of manufacturing has not been found in the investigation.
Experienced astronauts had to struggle but they managed their mission. Before the spacewalk, astronauts were able to inspect the hole just from within the spacecraft. The biggest difficulty was that in the Soyuz spacecraft, the ISS was not designed to improve during adverse weather space, and no railing was also made to catch the space passengers outside the vehicle.
Statement: The mysterious hole in the Soyuz spacecraft was due to the error of manufacturing.

Select the appropriate from the given options
A - Statement is completely true
B - The statement is
possibly true C - the statement can not be determined
D - Statement is completely false

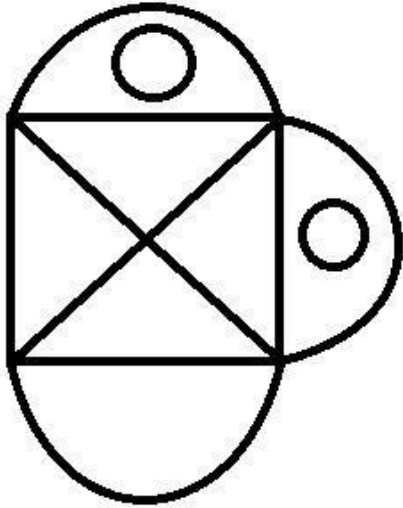(A) ⃝ B - (Alternative 2)
(B) ⃝ C - (Alternative 3)
(C) ⃝ A - (Alternative 1)
(D) ⃝ **D - (Alternative 4)**

Question No.69   1.00

How straight lines are there in given figure?

(A) ○ 11 - (Optional 1)
(B) ○ 9 - (Optional 2)
(C) ○ 8 - (Optional 3)
(D) ○ **10 - (Optional 4)**

Question No.70   1.00

Bookmark ☐

Read the given information carefully and answer the related question.

8 friends, Anu, Beni, Carrie, Dolly, Isha, Freight, Gibran and Harry went together to see the film and sitting in the north, sitting in an eight-seat line (not necessarily in this order).
i) Seated on the sixth seat from the right of Freight Gibran.
ii) Carri and Anu sit beside each other but they were not neighbors of Gibran and freight.
iii) Sitting on the left side of Beni Carey.
iv) Harry sitting next to Dolly and sitting on the second seat from the right side of Anu.

Who seated on the third seat from the right side of Anu?

(A) ○ Harry - (Alternative 4)
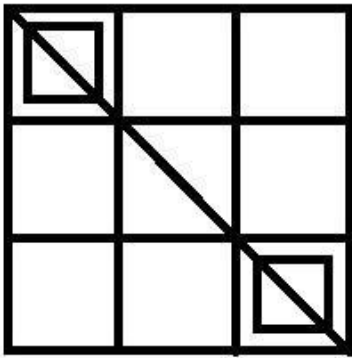(B) ○ Beni - (Alternative 3)
(C) ○ Gibran - (Alternative 1)
(D) ○ **Freight - (Alternative 2)**

Question No.71   1.00

Bookmark ☐

How many classes are there in given figure?

(A) ○ 10 - (Optional 3)
(B) ○ 12 - (Optional 1)
(C) ○ **16 - (Optional 2)**
(D) ○ 13 - (Optional 4)

Question No.72   1.00

Bookmark ☐

None of the following five are equal in one particular way and form a group. Which one is not
related to that group?
QUY, LPT, JNR, EHK, MQU
(A) ○ QUY - (Optional 4)
(B) ○ **EHK - (Optional 2)**
(C) ○ LPT - (Optional 3)
(D) ○ JNR - (Optional 1)

Question No.73   1.00

Bookmark ☐

Read the statements given and answer the question.

A4B means a mother of A, B is
A3B, A is the father
of A, B means A5B is A, son of
A is A7B, A is the daughter of A, B in the

given equation, P is the Mother-in- What is shown?

(A) ○ **P4Q3R7S - (Optional 3)**
(B) ○ P3Q3R3S - (Optional 4)
(C) ○ P3Q3R7S - (Optional 1)
(D) ○ P4Q4R3S - (Optional 2)

Question No.74   1.00

Bookmark ☐

Change the question mark with the option that follows the argument applied in the first pair Sky:
Blue :: Milk: ??
(A) ○ **White - (Optional 3)**
       ○

(B)   Solid - (Alternative 1)
(C) ○ Melt - (Alternative 2)
(D) ○ Liquid - (Alternative 4)

Question No.75   1.00

Bookmark ☐

Read the given information carefully and answer the related question.

8 friends, Anu, Beni, Carrie, Dolly, Isha, Freight, Gibran and Harry went together to see the film and sitting in the north, sitting in an eight-seat line (not necessarily in this order).
i) Seated on the sixth seat from the right of Freight Gibran.
ii) Carri and Anu sit beside each other but they were not neighbors of Gibran and freight.
iii) Sitting on the left side of Beni Carey.
iv) Harry sitting next to Dolly and sitting on the second seat from the right side of Anu.

Who sits between Gibran and Carrie?

(A) ○ Anu - (Alternative 1)
(B) ○ Dolly - (Alternative 4)
(C) ○ **Isha - (Alternative 2)**
(D) ○ Harry - (Optional 3)

Question No.76   1.00

Bookmark ☐

Find the next number in the series.
11, 36, 86, 186, 386,?
(A) ○ **786 - (Optional 3)**
(B) ○ 790 - (Alternative 4)
(C) ○ 780 - (Optional 1)
(D) ○ 782 - (Alternative 2)

Question No.77   1.00

Bookmark ☐

If SINGER is written TKOIFT in a special encodie, then how will the person write to the same code?
(A) ○ BDUPS - (Optional 1)
(B) ○ CVETQ - (Optional 4)
(C) ○ **BEUQS - (Optional 3)**
(D) ○ CEVQT - (Optional 2)

Question No.78   1.00

Bookmark ☐

If placing the mirror on the shaded line, which of the following options would be an appropriate reflection of the given question?

BURMA /

(A) ○

AMЯU8 - (Optional 3)

(B) ○

BUЯWA - (Optional 2)

(C) ○

AMRU8 - (Optional 1)

(D) ○

AMЯU8 - (Optional 4)

Question No.79   1.00

Bookmark ☐

Find the next number in the series.
31, 42, 55, 72, 91,?
(A) ○ 120 - (Optional 4)
(B) ○ **114 - (Optional 1)**
(C) ○ 116 - (Optional 3)
(D) ○ 115 - (Optional 2)

Question No. 80   1.00

Bookmark ☐

Select the appropriate water reflection from the options for the given question.

SPIKE

(A) ○

ƧbIKƎ - (Optional 3)

(B) ○

ƧPIKE - (Optional 1)

(C) ○

ƧbIKE   - (Optional 4)

(D) ○

Ǝ⋋IԀƧ   - (Optional 2)

Question No.81   1.00

Bookmark ☐

None of the following five are equal in one particular way and form a group. Which one is not related to that group?
Banana, Brinjal, Carrot, Cabbage, Beans

(A) ○ Cabbage - (Alternative 4)
(B) ○ **Banana - (Optional 3)**
(C) ○ Carrot - (Alternative 2)
(D) ○ Brinjal - (Alternative 1)

Question No.82   1.00

Bookmark ☐

Read the given information carefully and answer the related question.

8 friends, Anu, Beni, Carrie, Dolly, Isha, Freight, Gibran and Harry went together to see the film and sitting in the north, sitting in an eight-seat line (not necessarily in this order).
i) Seated on the sixth seat from the right of Freight Gibran.
ii) Carri and Anu sit beside each other but they were not neighbors of Gibran and freight.
iii) Sitting on the left side of Beni Carey.
iv) Harry sitting next to Dolly and sitting on the second seat from the right side of Anu.

Which of the following is sitting in the last seat in the row?

(A) ○ Harry - (Optional 1)
(B) ○ Isha - (Alternative 3)
(C) ○ Carrie - (Alternative 4)
(D) ○ **Beni - (Alternative 2)**

Question no.83   1.00

Bookmark ☐

Find the next number in the series.
11, 22, 25, 50, 53,?
(A) ○ 103 - (Alternative 2)
(B) ○ 102 - (Optional 1)
(C) ○ **106 - (Alternative 4)**
(D) ○ 105 - (Optional 3)

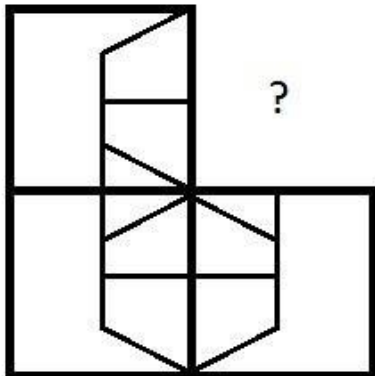**Question no.84**   1.00

In a special decode, if FORTH is written as ULIGS, how will GUIDE be written in the same language?

(A) ○ IWKFH - (Optional 1)

(B) ○ TRFVW - (Optional 4)

(C) ○ **TFRWV - (Optional 2)**

(D) ○ IKWHF - (Optional 3)
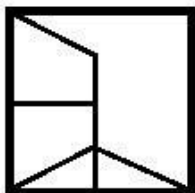
Question no.85   1.00

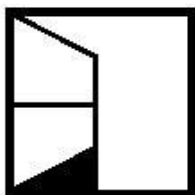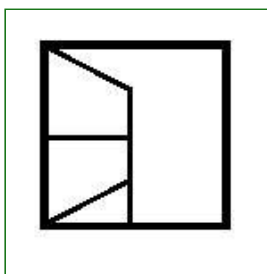Select the correct option which will complete the format of the given picture.

(A) ○

  - (Optional 2)

(B) ○

  - (Optional 1)

(C) ○

  - (Optional 3)

(D) ○

- (Optional 4)
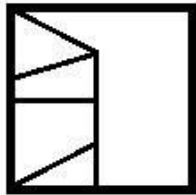

Question no.86   1.00

                                                    Bookmark ☐

Instructions:
The bar graph below shows the paper production statistics (in thousandths) by three companies X, Y and Z in the year 2001-2005.
What is the difference between the production of company Z in 2001 and the production of the company Y in 2002 (in thousandths)?

(A) ○ 5 - (Optional 3)
(B) ○ 4 - (Optional 2)
(C) ○ 6 - (Optional 4)
(D) ⊖ **3 - (Optional 1)**

Question No.87   1.00

                                                    Bookmark ☐

Simplify:

$$124 - [2^4 - 3^2 + \sqrt{(196 \div 14 + 182[3 \times 3 \div 9])}]$$

(A) ○ 212 - (Alternative 4)
(B) ○ 105 - (Optional 1)
(C) ○ **103 - (Optional 3)**
(D) ○ 203 - (Alternative 2)

Question no.88

1.00

A sum of money is distributed between Babu, Christo and David in the ratio of 5: 4: 3: 2. If Christo receives Rs.111 more from David, how much will she receive from Babu? (In Rupees)

(A) ○ 424 - (Optional 2)

(B) ○ **444 - (Optional 4)**

(C) ○ 434 - (Optional 3)

(D) ○ 414 - (Optional 1)

Question No.89

1.00

The average weight of 81 notebooks in one box is 8.1 kg. Keeping a new notebook in the box leaves an average of 8.2 kg. Find the weight of the new notebook (in kg).

(A) ○ 16.5 - (Optional 3)

(B) ○ 16.6 - (Optional 4)

(C) ○ 16.4 - (Optional 2)
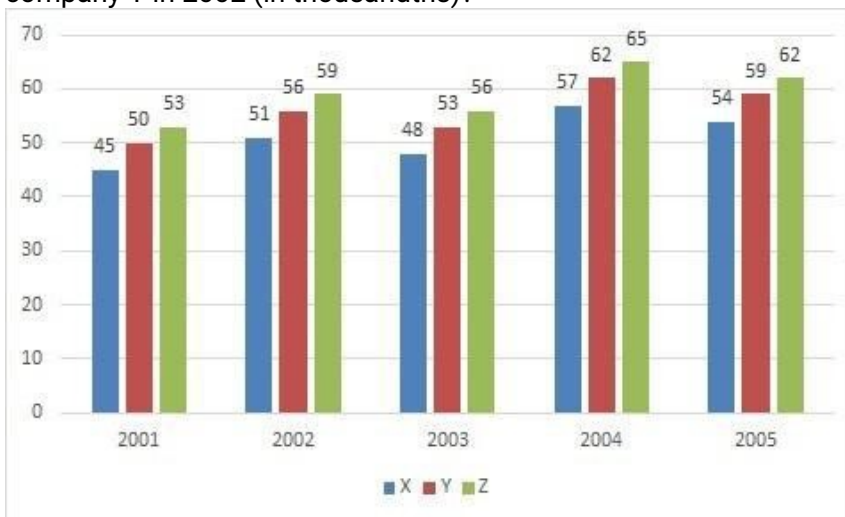
(D) ○ **16.3 - (Optional 1)**

Question No.90

1.00

Instructions:
The bar graph below shows the paper production statistics (in thousandths) by three companies X, Y and Z in the year 2001-2005.
Which company had the lowest average production in five years?

(A) ○ **X - (Optional 1)**

(B) ○ Y - (Alternative 2)

(C) ○ Z - (Optional 3)

(D) ○ None of these - (Alternative 4)

Question No.91

1.00

Rs. The loss on sale in 305 will be Rs. 641 is the 60% gain received on sale. Find the cost of the item (in Rs.).

(A) ○ 425 - (Optional 1)

(B) ○ **431 - (Alternative 4)**

(C) ○ 429 - (Optional 3)
(D) ○ 427 - (Alternative 2)

Question No.92

1.00

Bookmark ☐

There is 217 male and 217 women employees in an English based company's support project. The average productivity of all employees is 69 calls per day. The average call number received per day by a male employee is 69. What is the average call number received by a female employee every day?

(A) ○ 68 - (Optional 1)
(B) ○ 66 - (Optional 3)
(C) ○ **69 - (Alternative 2)**
(D) ○ 65 - (Alternative 4)

Question No.93

1.00

Bookmark ☐

The sale price of an item is Rs.1548 after the cumulative discount of 10% and 20%. If the cost value is 50% of face value then how much is the cost value (in Rs.)?

(A) ○ 1,065 - (Optional 2)
(B) ○ 1,055 - (Optional 3)
(C) ○ **1,075 - (Optional 1)**
(D) ○ 1,045 - (Optional 4)

Question No.94

1.00

Bookmark ☐

Simplify:

$$\sqrt{(1336 - \sqrt{(1629 - \sqrt{(820 + \sqrt{441})})})}$$

(A) ○ 45 - (Optional 3)
(B) ○ 32 - (Optional 4)
(C) ○ **36 - (Alternative 2)**
(D) ○ 35 - (Optional 1)

Question No.95

1.00

Bookmark ☐

Which of the following is eligible to divide by 24?

(A) ○ 126346 - (Optional 2)
(B) ○ **126336 - (Optional 4)**
(C) ○ 127336 - (Optional 3)
(D) ○ 123446 - (Optional 1)

Question No.96

1.00

A sum of money is doubled in 7 years at the compound interest rate. In how many years it will be 8 times its actual value?

(A) ○ **21 - (Optional 1)**

(B) ○ 22 - (Optional 2)

(C) ○ 23 - (Optional 3)

(D) ○ 24 - (Optional 4)

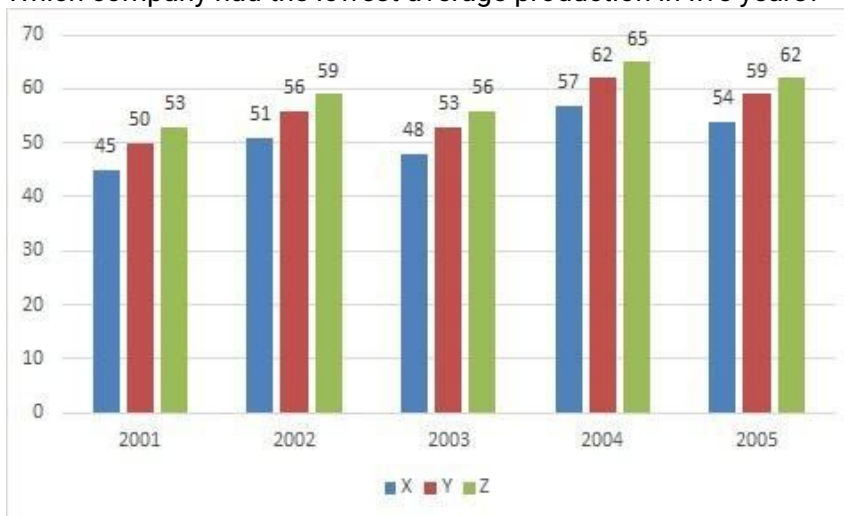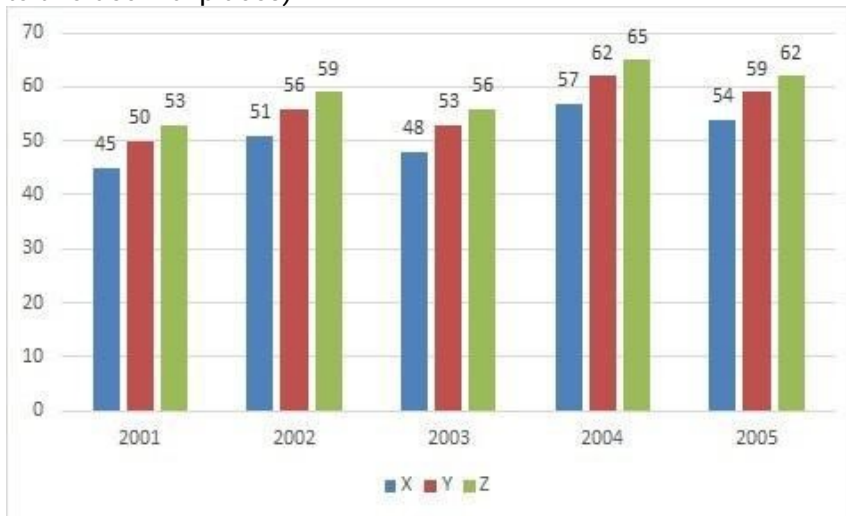**Question No.97**   1.00

Instructions:
The bar graph below shows the paper production statistics (in thousandths) by three companies X, Y and Z in the year 2001-2005.
What is the percentage increase in the production of company X from 2002 to 2005? (In% - integer to two decimal places)

(A) ○ **5.88 - (Optional 2)**

(B) ○ 5.78 - (Optional 1)

(C) ○ 6.18 - (Optional 4)

(D) ○ 5.98 - (Optional 3)

Question No.98   1.00

How much will the remainder be if the number 54545 is divided by 9?

(A) ○ 2 - (Optional 1)

(B) ○ **5 - (Optional 2)**

(C) ○ 7 - (Optional 4)

(D) ○ 0 - (Optional 3)

Question No.99   1.00

The amount of Rs.7,200 is invested at the normal interest rate of 11% per annum, if half of the amount received after 5 years is invested in the stock market then find the savings (in rupees).

(A) ○ **5,580 - (Optional 1)**

(B) ○ 5,570 - (Optional 3)

(C) ○ 5,565 - (Optional 4)

(D) ○ 5,575 - (Optional 2)

Question No.100   1.00

Bookmark ☐

The total area of a piece of square glass 44lcm^2, which has put up a table | The width is 11 cm between the edge of the table and the edge of the glass piece. Find the length of the table. (in cm)

(A) ○ 41 - (Optional 2)
(B) ○ **43 - (Optional 4)**
(C) ○ 40 - (Optional 1)
(D) ○ 42 - (Optional 3)

Question No.101   1.00

Bookmark ☐

What will be the height of the cuboid, if a cube of 41√3cm is molten, then the cuboid is made, whose length is equal to the arm of the cube and width is 20.5cm? (in cm)

(A) ○ 84 - (Alternative 4)
(B) ○ **82 - (Alternative 2)**
(C) ○ 83 - (Optional 3)
(D) ○ 81 - (Alternative 1)

Question No.102   1.00

Bookmark ☐

The sum of three numbers is 189. The ratio of the second number to the second number is 2: 3 and between the second and third numbers, this ratio is 3: 4, find the second number.

(A) ○ 67 - (Optional 3)
(B) ○ 65 - (Alternative 2)
(C) ○ **63 - (Optional 1)**
(D) ○ 69 - (Alternative 4)

Question No.103   1.00

Bookmark ☐

The difference of interest to the two equal amount of money for compounding for 2 years and equal interest rates on equitable interest is Rs.126. If the rate of interest is 6% per annum then find out the amount invested. (In rupees)

(A) ○ 35,550 - (Optional 4)
(B) ○ **35,000 - (Optional 3)**
(C) ○ 35560 - (Alternative 2)
(D) ○ 35,540 - (Optional 1)

Question No.104   1.00

Bookmark ☐

The number of people working in a field increases by 11% and their pay per head decreases by 11%. If the result is a loss of X% in the total salary, then find the value of X.

(A) ○ 1.20 - (Optional 1)
(B) ○ 1.23 - (Optional 4)
(C) ○ 1.22 - (Optional 3)
(D) ○ **1.21 - (Optional 2)**

Question No.105

1.00

Find the value of X:

$$\sqrt{(150-x)} = \sqrt{(148-\sqrt{729})}$$

(A) ○ **29 - (Optional 4)**
(B) ○ 58 - (Optional 3)
(C) ○ 27 - (Optional 1)
(D) ○ 42 - (Optional 2)

Question No.106

1.00

Martin donates 13% of his salary to the institution for sightlessness, 12% of orphanages, 14% for the physically challenged people and 16% for medical assistance. If he deposits the remaining amount of his salary to Rs. 18,225 in the bank for his monthly expenditure, then find out the amount donated to the institution for rupee blindness (in rupees).

(A) ○ **5,265 - (Optional 1)**
(B) ○ 5,465 - (Optional 3)
(C) ○ 5,365 - (Alternative 2)
(D) ○ 5,565 - (Optional 4)

Question No.107

1.00

A shopkeeper has a profit of 14% on selling his product in Rs.1,254. Find the amount that will be equal to half of the cost of the product. (In rupees)

(A) ○ **550 - (Alternative 2)**
(B) ○ 575 - (Optional 3)
(C) ○ 600 - (Alternative 4)
(D) ○ 525 - (Optional 1)

Question No.108

1.00

A man completes his journey in 5.5 hours. It determines half the journey 20 kmph and the rest of the journey at 30 kmph speed. Find the total distance traveled. (in km)

(A) ○ 135 - (Optional 4)
(B) ○ 133 - (Alternative 2)
(C) ○ 134 - (Optional 3)
(D) ○ **132 - (Optional 1)**

Question No.109

1.00

One box of gifts has 10 bangles, in which the average weight of 4 bangles is 68 grams and the

average weight of the remaining 6 bangles is 69 grams. Find the average weight of the total bangles (in the village)

(A) ○ **68.6 - (Optional 4)**
(B) ○ 65.6 - (Optional 1)
(C) ○ 66.6 - (Optional 2)
(D) ○ 67.6 - (Optional 3)

Question no.110   1.00

Bookmark ☐

In one box, three different types of old coins are in the ratio of 3: 5: 7. The value of old coins is Rs 1 rupee, 5 rupees and 10 rupees respectively. If the total value of box coins is Rs. Find out the number of coins of 10 rupees if there is 2,058.

(A) ○ 177 - (Alternative 4)
(B) ○ 167 - (Optional 3)
(C) ○ 157 - (Alternative 2)
(D) ○ **147 - (Optional 1)**

Question No.111   1.00

Bookmark ☐

A bulb manufacturer found that 19% of its total product is faulty. If the number of lossless products is 1701 then find the number of defective products.

(A) ○ **399 - (Optional 1)**
(B) ○ 396 - (Alternative 4)
(C) ○ 398 - (Alternative 2)
(D) ○ 397 - (Optional 3)

Question no.112   1.00

Bookmark ☐

In a mixture of 147 liters, the ratio of milk and water is 3: 4. If this ratio is 3: 5, then find out the amount of water in the mixture. (In liters)

(A) ○ 23 - (Optional 4)
(B) ○ **21 - (Optional 2)**
(C) ○ 22 - (Optional 3)
(D) ○ 20 - (Optional 1)

Question No.113   1.00

Bookmark ☐

The width of a floor is 125% of its width. If the floor area of $20m^2$, what will be the sum of the floor length and width | (in m)

(A) ○ 10 - (Optional 4)
(B) ○ 7 - (Optional 1)
(C) ○ **9 - (Optional 3)**
(D) ○ 8 - (Optional 2)

Question No.114   1.00

Bookmark ☐

LS of two numbers 32 and their M. 8 is. A given number is 8, find the second number.

(A) ○ 24 - (Optional 2)
(B) ○ 16 - (Optional 1)
(C) ○ **32 - (Optional 3)**
(D) ○ 40 - (Optional 4)

Question No.115   1.00

                                                           Bookmark ☐

Anita walks away from her usual 9/10 speed and takes 21 minutes more than usual. Find the normal time taken. (in a minute)

(A) ○ **189 - (Optional 3)**
(B) ○ 190 - (Alternative 4)
(C) ○ 187 - (Optional 1)
(D) ○ 188 - (Alternative 2)

Question no.116   1.00

                                                           Bookmark ☐

Anil received 82 points out of 120 in French, 98 out of 130 in English, 28 in 70 in Spanish and 32 in 80 languages in Japanese.What is the total score percentage received by him? (In%)

(A) ○ 54 - (Optional 1)
(B) ○ 58 - (Alternative 2)
(C) ○ **60 - (Optional 3)**
(D) ○ 62 - (Alternative 4)

Question No.117   1.00

                                                           Bookmark ☐

One person goes from the hostel to the college with a speed of 20 kmph and reaches a delay of 3.5 minutes. If it reaches 3.5 minutes before cycling at a speed of 24 kmph, then find the distance between the hostel and the college. (in km)

(A) ○ 17 - (Optional 4)
(B) ○ **14 - (Optional 1)**
(C) ○ 15 - (Optional 2)
(D) ○ 16 - (Optional 3)

Question no.118   1.00

                                                           Bookmark ☐

X = 0.45666666 ... .. Find a different value of X.

(A) ○ 421/900 - (Alternative 2)
(B) ○ 411/990 - (Alternative 4)
(C) ○ **411/900 - (Optional 1)**
(D) ○ 431/900 - (Alternative 3)

Question No.119   1.00

                                                           Bookmark ☐

A 100 meter long train runs at a speed of 54 kmph and crosses a bridge in 21 seconds. Find the length of the bridge. (In meters)

(A) ○ 215 - (Optional 3)
(B) ○ 205 - (Optional 1)

(C) ○ 220 - (Alternative 4)
(D) ○ **210 - (Alternative 2)**

Question No.120   1.00

Simplify:

$$((2^3)^3 \div 4^3) \times ([72-8] \div 8)$$

(A) ○ 68 - (Optional 3)
(B) ○ 38 - (Optional 4)
(C) ○ **64 - (Optional 1)**
(D) ○ 128 - (Alternative 2)