

S No.1

Item Code	Question Type	Ans Key	Marks
3113001	MCQ	A	1

The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is:

- A. 5 %
- B. 4.75 %
- C. 6 %
- D. 7.8 %

S No.2

Item Code	Question Type	Ans Key	Marks
3113002	MCQ	C	1

The curved surface area of a cylindrical pillar is 264 m^2 and its volume is 924 m^3 . Find the ratio of its diameter to its height.

- A. 7: 6
- B. 6:7
- C. 7:3
- D. 3: 7

S No.3

Item Code	Question Type	Ans Key	Marks
3113003	MCQ	B	1

Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- A. 49,56
- B. 33,42
- C. 26,56
- D. 34,54

S No.4

Item Code	Question Type	Ans Key	Marks
3113004	MCQ	D	1

$\log \sqrt{8} / \log 8$ is equal to:

- A) $\frac{1}{\sqrt{8}}$
- B) $\frac{1}{8}$
- C) $\frac{1}{4}$
- D) $\frac{1}{2}$

S No.5			
Item Code	Question Type	Ans Key	Marks
3113005	MCQ	B	1
<p>A well of depth 20 m with a radius 4 m is dug from the earth to form a platform of length 25 m and a breadth of 12 m. Find the height of the platform.</p> <p>A. 2.35 m B. 3.35 m C. 4.45 m D. 5.35 m</p>			

S No.6			
Item Code	Question Type	Ans Key	Marks
3113006	NAT	3	1
<p>Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number.</p>			

S No.7			
Item Code	Question Type	Ans Key	Marks
3113007	NAT	2.8	1
<p>The areas of two similar triangles are 100cm^2 and 49cm^2. If the altitude of the bigger triangle is 4 cm, then what will be the altitude of the corresponding smaller triangle?</p>			

S No.8			
Item Code	Question Type	Ans Key	Marks
3113008	NAT	4	1
<p>The difference between a two-digit number and the number obtained by interchanging the positions of its digits is 36. What is the difference between the two digits of that number?</p>			

S No.9

Item Code	Question Type	Ans Key	Marks
3113009	NAT	70	1

Find the diameter of the circle if the circumference of the circle is $\frac{11}{5}$ m.
(Answer has to be provided in **cm**. Any other format will not be accepted for marking)

S No.10

Item Code	Question Type	Ans Key	Marks
3113010	NAT	3.35	1

A well of depth 20 m with a radius 4 m is dug from the earth to form a platform of length 25 m and a breadth of 12 m. Find the height of the platform.

S No.11

Item Code	Question Type	Ans Key	Marks
3123011	MCQ	D	1

A solid sphere is rotating in free space. If the radius of the sphere is increased keeping mass same, which one of the following will not be affected?

- A. Angular velocity
- B. Rotational kinetic energy
- C. Moment of Inertia
- D. Angular momentum

S No.12

Item Code	Question Type	Ans Key	Marks
3123012	MCQ	C	1

When the charged particles move in a combined magnetic and electric field, then the force acting is known as _____.

- A. Centripetal force
- B. Centrifugal force
- C. Lorentz force
- D. Orbital force

S No.13

Item Code	Question Type	Ans Key	Marks
3123013	MCQ	D	1

Which of the following light phenomena confirms the transverse nature of light?

- A. Refraction of light
- B. Diffraction of light
- C. Dispersion of light
- D. Polarization of light

S No.14

Item Code	Question Type	Ans Key	Marks
3123014	MCQ	A	1

The concept of displacement current was introduced by _____.

- A. Maxwell
- B. Newton
- C. Ampere
- D. Fleming

S No.15

Item Code	Question Type	Ans Key	Marks
3123015	MCQ	B	1

For which of the following is the field of view maximum?

- A. Concave mirror
- B. Convex mirror
- C. Plane mirror
- D. Cylindrical mirror

S No.16

Item Code	Question Type	Ans Key	Marks
3123016	NAT	6	1

An organ pipe closed at one end has a fundamental frequency of 1500Hz. What is the maximum number of overtones generated by this pipe, which a normal person can hear?

S No.17

Item Code	Question Type	Ans Key	Marks
3123017	NAT	40	1

A string in a musical instrument is 50cm long and its fundamental frequency is 800Hz. If a frequency of 1000Hz is to be produced, then what is the required length of string?
(Answer to be provided in **cm**)

S No.18

Item Code	Question Type	Ans Key	Marks
3133018	MCQ	C	1

ABC and BDE are two equilateral triangles such that D is the mid-point of BC. What is the ratio of the area of triangles ABC and BDE?

- A. 2: 1
- B. 1: 2
- C. 4: 1
- D. 1: 4

S No.19

Item Code	Question Type	Ans Key	Marks
3133019	MCQ	C	1

A (p,0), B (4,0), C (5,6) and D (1,4) are the vertices of a quadrilateral ABCD. If $\angle ADC$ is obtuse, what is the maximum integral value of p?

- A. 1
- B. 3
- C. 2
- D. 0

S No.20

Item Code	Question Type	Ans Key	Marks
3133020	MCQ	D	1

A guy wire attached to a vertical pole of height 18 m is 24 m long and has a stake attached to the other end. How far from the base of the pole should the stake be driven so that the wire will be taut?

- A. $2\sqrt{9}$
- B. 102
- C. 72
- D. $6\sqrt{7}$

S No.21

Item Code	Question Type	Ans Key	Marks
3133021	MCQ	D	1

A vertical pole 20 m long casts a shadow 10 m long on the ground. At the same time, a tower casts the shadow 50 m long on the ground. Find the height of the tower.
(Answer to be provided in **m**)

- A. 200 m
- B. 120 m
- C. 25 m
- D. 100 m

S No.22

Item Code	Question Type	Ans Key	Marks
3133022	NAT	6, 3	1

If $(1, 2)$, $(4, y)$, $(x, 6)$ and $(3, 5)$ are the vertices of a parallelogram taken in order, find x and y .
(Provide answer as x, y (in numericals). Any other format will not be accepted for marking)

S No.23

Item Code	Question Type	Ans Key	Marks
3133023	NAT	75	1

Player 1 and player 2 are running around a circular field. Player 1 takes 15 minutes to take one round, while Player 2 completes the round in 25 minutes. If both start simultaneously and go in the same direction, after how much time will they meet at the starting point? (Answer to be provided only in **minutes**)

S No.24

Item Code	Question Type	Ans Key	Marks
3133024	NAT	1000	1

A floor whose length and width is 50 m and 40 m respectively needs to be covered by rectangular tiles. The dimension of each tile is 1 m x 2 m. Find the total number of tiles that would be required to fully cover the floor.

S No.25

Item Code	Question Type	Ans Key	Marks
3133025	NAT	795.5	1

An umbrella has 8 ribs which are equally spaced. Assuming the umbrella to be a flat circle of radius 45 cm, find the area between the two consecutive ribs of the umbrella.
(Answer to be provided in cm^2)



S No.26

Item Code	Question Type	Ans Key	Marks
3143026	MCQ	D	1

Select the most appropriate phrasal verb from the given options to fill in the blank space and complete the question.

'Ten candidates _____ for the interview'

- A. turned for
- B. turned out
- C. turned over
- D. turned up

S No.27

Item Code	Question Type	Ans Key	Marks
3143027	MCQ	C	1

The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

'Had you/ not reached in time, / we will have/ lost our lives'

- A. Had you
- B. Lost our lives
- C. We will have
- D. Not reached in time

S No.28

Item Code	Question Type	Ans Key	Marks
3143028	MCQ	A	1

In the following question out of the four given options, choose the option which best expresses the meaning of the idiom/ phrase '**Damocles sword**'

- A. a closely impending disaster
- B. a blunt sword
- C. a disputed sword
- D. a sword of Damocles

S No.29

Item Code	Question Type	Ans Key	Marks
3143029	MCQ	A	1

Fill in the blanks in the following sentences with the correct alternative.

She cared for the two _____ as her own children.

- A. step- daughters
- B. steps- daughter
- C. step- daughter
- D. steps- daughters

S No.30

Item Code	Question Type	Ans Key	Marks
3143030	MCQ	B	1

Fill in the blank to complete the proverb

'Beauty is in the eye of the _____.'

- A. Artist
- B. Beholder
- C. Lover
- D. Innocent

S No.31

Item Code	Question Type	Ans Key	Marks
3153031	MCQ	D	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Madame Curie was born Maria Sklodowski in Warsaw, Poland in 1867, the youngest of five children. When she was born, Poland was controlled by Russia. Her parents were teachers, and she learned at an early age, the importance of education and later succeeded brilliantly.

Marie studied physics and mathematics at the Sorbonne University, Paris and quickly received her masters' degrees in both subjects. She remained in Paris after graduation and started research on magnetism.

Working together, it took Marie and her husband Pierre four years to isolate the radioactive source in the pitch-blend. Marie named it radium which was the greatest discovery in the field of science. She went on to build and design X-ray machines during World War I. During her work, Marie discovered radiation could kill human cells. She received two Nobel Prizes for her discoveries, and was the first woman to win even one. She and her husband Pierre shared the Nobel Prize in Physics with their friend and researcher A. Henri Becquerel.

On July 4, 1934, Marie Curie died in Paris, killed by her own experiments. She died of radiation poisoning and may have been the first person to do so.

Which of the following statements, incorrectly describes the epitome of Marie Curie?

- A. Marie Curie had brought herself up from poverty, struggling to get her education and succeeding brilliantly.
- B. For her struggles, she received two Nobel Prizes — the first woman to win even one.
- C. During the First World War, Marie Curie went to work for the French, building and designing X-ray machines.
- D. All the statements are brief descriptions about Madam Curie.

S No.32

Item Code	Question Type	Ans Key	Marks
3153032	MCQ	B	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Madame Curie was born Maria Sklodowski in Warsaw, Poland in 1867, the youngest of five children. When she was born, Poland was controlled by Russia. Her parents were teachers, and she learned at an early age, the importance of education and later succeeded brilliantly.

Marie studied physics and mathematics at the Sorbonne University, Paris and quickly received her masters' degrees in both subjects. She remained in Paris after graduation and started research on magnetism.

Working together, it took Marie and her husband Pierre four years to isolate the radioactive source in the pitch-blend. Marie named it radium which was the greatest discovery in the field of science. She went on to build and design X-ray machines during World War I. During her work, Marie discovered radiation could kill human cells. She received two Nobel Prizes for her discoveries, and was the first woman to win even one. She and her husband Pierre shared the Nobel Prize in Physics with their friend and researcher A. Henri Becquerel.

On July 4, 1934, Marie Curie died in Paris, killed by her own experiments. She died of radiation poisoning and may have been the first person to do so.

What was the greatest discovery in the field of science?

- A. Plutonium
- B. Radium
- C. Human cells
- D. Becquerel ray

S No.33

Item Code	Question Type	Ans Key	Marks
3153033	MCQ	C	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Madame Curie was born Maria Skłodowski in Warsaw, Poland in 1867, the youngest of five children. When she was born, Poland was controlled by Russia. Her parents were teachers, and she learned at an early age, the importance of education and later succeeded brilliantly.

Marie studied physics and mathematics at the Sorbonne University, Paris and quickly received her masters' degrees in both subjects. She remained in Paris after graduation and started research on magnetism.

Working together, it took Marie and her husband Pierre four years to isolate the radioactive source in the pitch-blend. Marie named it radium which was the greatest discovery in the field of science. She went on to build and design X-ray machines during World War I. During her work, Marie discovered radiation could kill human cells. She received two Nobel Prizes for her discoveries, and was the first woman to win even one. She and her husband Pierre shared the Nobel Prize in Physics with their friend and researcher A. Henri Becquerel.

On July 4, 1934, Marie Curie died in Paris, killed by her own experiments. She died of radiation poisoning and may have been the first person to do so.

What was the subject taken by Madam Curie for doing research?

- A. Nuclear physics
- B. Chemistry
- C. Magnetism
- D. Mathematics

S No.34

Item Code	Question Type	Ans Key	Marks
3153034	MCQ	C	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Madame Curie was born Maria Skłodowski in Warsaw, Poland in 1867, the youngest of five children. When she was born, Poland was controlled by Russia. Her parents were teachers, and she learned at an early age, the importance of education and later succeeded brilliantly.

Marie studied physics and mathematics at the Sorbonne University, Paris and quickly received her masters' degrees in both subjects. She remained in Paris after graduation and started research on magnetism.

Working together, it took Marie and her husband Pierre four years to isolate the radioactive source in the pitch-blend. Marie named it radium which was the greatest discovery in the field of science. She went on to build and design X-ray machines during World War I. During her work, Marie discovered radiation could kill human cells. She received two Nobel Prizes for her discoveries, and was the first woman to win even one. She and her husband Pierre shared the Nobel Prize in Physics with their friend and researcher A. Henri Becquerel.

On July 4, 1934, Marie Curie died in Paris, killed by her own experiments. She died of radiation poisoning and may have been the first person to do so.

With whom did Marie and Pierre share the Nobel Prize?

- A. In 1906, Pierre Curie was offered the position of director of the Physics Laboratory at the Sorbonne.
- B. After her husband died, Marie was offered and took the position, the first woman to become director of a research laboratory.
- C. For the discovery of radium, Marie and Pierre won a Nobel Prize in Physics in 1903, which they shared with their friend A. Henri Becquerel.
- D. Marie found that what she had discovered was not pure radium, but she was able to isolate the element itself after quite a struggle. For this work, she was given the Nobel Prize for Chemistry in 1911.

S No.35

Item Code	Question Type	Ans Key	Marks
3153035	MCQ	A	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Even though there have been truly significant advances in modern medicine, health problems still abound and cause untold misery. Although heart disease and cancer were rare at the beginning of the 20th century, today these two diseases strike with increasing frequency, in spite of billions of dollars in research to combat them, and in spite of tremendous advances in diagnostic and surgical techniques.

In America, one person in three suffers from allergies, one in ten has ulcers and one in five is mentally ill. Every year, a quarter of a million infants are born with a birth defect and undergo expensive surgery, or are hidden away in institutions. Other degenerative diseases such as arthritis, multiple sclerosis, diabetes, and chronic fatigue afflict a significant majority of Americans. Further learning disabilities make life miserable for seven million young people and their parents. These diseases were extremely rare only a generation or two ago. Today, chronic illness afflicts nearly half of all Americans and causes three out of four deaths in the United States.

The passage stresses that ill-health gives rise to a great deal of misery

-
- A. especially in the case of chronic illness
 - B. which is largely associated with pain
 - C. which is not confined to the patient alone
 - D. especially when the symptoms are severe

S No.36

Item Code	Question Type	Ans Key	Marks
3153036	MCQ	D	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Even though there have been truly significant advances in modern medicine, health problems still abound and cause untold misery. Although heart disease and cancer were rare at the beginning of the 20th century, today these two diseases strike with increasing frequency, in spite of billions of dollars in research to combat them, and in spite of tremendous advances in diagnostic and surgical techniques.

In America, one person in three suffers from allergies, one in ten has ulcers and one in five is mentally ill. Every year, a quarter of a million infants are born with a birth defect and undergo expensive surgery, or are hidden away in institutions. Other degenerative diseases such as arthritis, multiple sclerosis, diabetes, and chronic fatigue afflict a significant majority of Americans. Further learning disabilities make life miserable for seven million young people and their parents. These diseases were extremely rare only a generation or two ago. Today, chronic illness afflicts nearly half of all Americans and causes three out of four deaths in the United States.

According to the passage, cancer and heart diseases are on the increase

-
- A. and most of the cures have serious side-effects
 - B. due to problems of diagnosis which for the present seem insurmountable
 - C. since research so far carried out in these fields has been quite inadequate
 - D. even though a great deal of money is being spent on research into them

S No.37

Item Code	Question Type	Ans Key	Marks
3153037	MCQ	D	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Even though there have been truly significant advances in modern medicine, health problems still abound and cause untold misery. Although heart disease and cancer were rare at the beginning of the 20th century, today these two diseases strike with increasing frequency, in spite of billions of dollars in research to combat them, and in spite of tremendous advances in diagnostic and surgical techniques.

In America, one person in three suffers from allergies, one in ten has ulcers and one in five is mentally ill. Every year, a quarter of a million infants are born with a birth defect and undergo expensive surgery, or are hidden away in institutions. Other degenerative diseases such as arthritis, multiple sclerosis, diabetes, and chronic fatigue afflict a significant majority of Americans. Further learning disabilities make life miserable for seven million young people and their parents. These diseases were extremely rare only a generation or two ago. Today, chronic illness afflicts nearly half of all Americans and causes three out of four deaths in the United States.

One point that is stressed in the passage about the American people is that

-
- A. there is an alarming lack of communication between parents and their children
 - B. they are less liable to degenerative diseases than most other peoples
 - C. the rate of infant mortality among them is rising rapidly
 - D. in one way or another, a very large proportion of them have health problem

S No.38

Item Code	Question Type	Ans Key	Marks
3153038	MCQ	D	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Even though there have been truly significant advances in modern medicine, health problems still abound and cause untold misery. Although heart disease and cancer were rare at the beginning of the 20th century, today these two diseases strike with increasing frequency, in spite of billions of dollars in research to combat them, and in spite of tremendous advances in diagnostic and surgical techniques.

In America, one person in three suffers from allergies, one in ten has ulcers and one in five is mentally ill. Every year, a quarter of a million infants are born with a birth defect and undergo expensive surgery, or are hidden away in institutions. Other degenerative diseases such as arthritis, multiple sclerosis, diabetes, and chronic fatigue afflict a significant majority of Americans. Further learning disabilities make life miserable for seven million young people and their parents. These diseases were extremely rare only a generation or two ago. Today, chronic illness afflicts nearly half of all Americans and causes three out of four deaths in the United States.

The writer of this passage draws our attention to _____.

- A. the possibility that it is mental rather than physical health that is going to be the major problem of the future in the US
- B. the fact that it is young people who are the most affected by degenerative diseases
- C. the commonly-held view that cancer will, in a few decades, be completely eradicated
- D. the paradox that medicine today has improved remarkably, but more people are suffering from various diseases

S No.39

Item Code	Question Type	Ans Key	Marks
3153039	MCQ	C	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

My name is Kamala Patel. I live on a farm with my mother and father. I like it but I work very hard. Every morning I wake up at five o'clock and feed the horses. Then I can go back to the house. Mum makes breakfast at 6:00 and I'm not late for breakfast because I don't like cold eggs. After breakfast I help dad for an hour. Then I have a shower and get ready for school. The school bus leaves at 8:15. I leave home at 8:00. After school I can watch TV for an hour. Then we have our dinner. We have chicken for dinner but I hate it. I eat it because mum gets angry. After dinner I do my homework. Then I go out and feed the horses. I go to bed early because I'm always very tired at the end of the day.

Because Kamala doesn't like cold eggs, _____.

- A. she wakes up at five
- B. her mom cooks eggs a lot
- C. she is on time for breakfast
- D. breakfast is ready at 6:00

S No.40

Item Code	Question Type	Ans Key	Marks
3153040	MCQ	D	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

My name is Kamala Patel. I live on a farm with my mother and father. I like it but I work very hard. Every morning I wake up at five o'clock and feed the horses. Then I can go back to the house. Mum makes breakfast at 6:00 and I'm not late for breakfast because I don't like cold eggs. After breakfast I help dad for an hour. Then I have a shower and get ready for school. The school bus leaves at 8:15. I leave home at 8:00. After school I can watch TV for an hour. Then we have our dinner. We have chicken for dinner but I hate it. I eat it because mum gets angry. After dinner I do my homework. Then I go out and feed the horses. I go to bed early because I'm always very tired at the end of the day.

Kamala gets ready for school _____.

- A. after lunch
- B. in ten minutes
- C. before shower
- D. before 8 o'clock

S No.41

Item Code	Question Type	Ans Key	Marks
3153041	MCQ	C	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

My name is Kamala Patel. I live on a farm with my mother and father. I like it but I work very hard. Every morning I wake up at five o'clock and feed the horses. Then I can go back to the house. Mum makes breakfast at 6:00 and I'm not late for breakfast because I don't like cold eggs. After breakfast I help dad for an hour. Then I have a shower and get ready for school. The school bus leaves at 8:15. I leave home at 8:00. After school I can watch TV for an hour. Then we have our dinner. We have chicken for dinner but I hate it. I eat it because mum gets angry. After dinner I do my homework. Then I go out and feed the horses. I go to bed early because I'm always very tired at the end of the day.

What is the passage mainly about?

- A. Kamala's mom and dad.
- B. Kamala's school and farm.
- C. Kamala's daily life.
- D. Kamala's farm and animals.

S No.42

Item Code	Question Type	Ans Key	Marks
3153042	MCQ	A	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

My name is Kamala Patel. I live on a farm with my mother and father. I like it but I work very hard. Every morning I wake up at five o'clock and feed the horses. Then I can go back to the house. Mum makes breakfast at 6:00 and I'm not late for breakfast because I don't like cold eggs. After breakfast I help dad for an hour. Then I have a shower and get ready for school. The school bus leaves at 8:15. I leave home at 8:00. After school I can watch TV for an hour. Then we have our dinner. We have chicken for dinner but I hate it. I eat it because mum gets angry. After dinner I do my homework. Then I go out and feed the horses. I go to bed early because I'm always very tired at the end of the day.

Which of the following is true?

- A. Kamala feeds the horses twice a day.
- B. Kamala doesn't like her life on the farm.
- C. Kamala can watch TV more than two hours.
- D. Kamala's mom is angry in the evening.

S No.43

Item Code	Question Type	Ans Key	Marks
3153043	MCQ	A	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Capitalism is an economic system in which private people, not the government, own and run companies. These companies compete with other companies for business. They decide what products they want to produce, how much they should cost and where to sell them. Companies do all these things in order to make profits for their owners. People who use their money to start companies or run companies are called capitalists. Even though a pure form of capitalism does not exist and governments control the economy in some ways it remains the world's most popular economic system. In the United States the government keeps itself out of the economy as far as possible but in some European countries economic control is much larger. Other names for capitalism are free-market economy or free enterprise.

It is clear in the passage that _____.

- A.** capital owners in the US have more freedom as regards business
- B.** It is advisable to adopt a new trading system
- C.** there is only one certain type of capitalism all over the world
- D.** governments control their economy in the same ways

S No.44

Item Code	Question Type	Ans Key	Marks
3153044	MCQ	A	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Capitalism is an economic system in which private people, not the government, own and run companies. These companies compete with other companies for business. They decide what products they want to produce, how much they should cost and where to sell them. Companies do all these things in order to make profits for their owners. People who use their money to start companies or run companies are called capitalists. Even though a pure form of capitalism does not exist and governments control the economy in some ways it remains the world's most popular economic system. In the United States the government keeps itself out of the economy as far as possible but in some European countries economic control is much larger. Other names for capitalism are free-market economy or free enterprise.

In free enterprise, companies are expected to be very competitive because

-
- A. they need to make sales and earn profits
 - B. the government exerts control over them
 - C. their owners are too greedy to be patient
 - D. they need to pay high taxes

S No.45

Item Code	Question Type	Ans Key	Marks
3153045	MCQ	C	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Capitalism is an economic system in which private people, not the government, own and run companies. These companies compete with other companies for business. They decide what products they want to produce, how much they should cost and where to sell them. Companies do all these things in order to make profits for their owners. People who use their money to start companies or run companies are called capitalists. Even though a pure form of capitalism does not exist and governments control the economy in some ways it remains the world's most popular economic system. In the United States the government keeps itself out of the economy as far as possible but in some European countries economic control is much larger. Other names for capitalism are free-market economy or free enterprise.

Which of the following is not true according to the passage?

- A. Capital refers to the money to start a business.
- B. Another name for Capitalism is free enterprise.
- C. Business owners do not compete against their rivals.
- D. In European countries, the government exercises greater economic control.

S No.46

Item Code	Question Type	Ans Key	Marks
3153046	MCQ	A	1

After reading the given TEXT answer the 4 questions based on the text by choosing the appropriate option.

TEXT

Capitalism is an economic system in which private people, not the government, own and run companies. These companies compete with other companies for business. They decide what products they want to produce, how much they should cost and where to sell them. Companies do all these things in order to make profits for their owners. People who use their money to start companies or run companies are called capitalists. Even though a pure form of capitalism does not exist and governments control the economy in some ways it remains the world's most popular economic system. In the United States the government keeps itself out of the economy as far as possible but in some European countries economic control is much larger. Other names for capitalism are free-market economy or free enterprise.

In Capitalism who decides on what profit margin to make money?

- A. Private companies
- B. States
- C. Government
- D. None of the above

S No.47

Item Code	Question Type	Ans Key	Marks
3153047	MCQ	B	1

After reading the given TEXT answer the 4 questions by choosing the appropriate option.

TEXT

Researchers in Kenya have found that a fish could be an effective weapon in the fight to reduce the spread of malaria. A fish that is normally eaten was introduced to several places in the west of the country. The fish eats mosquito larvae, which are young mosquitoes before they have wings.

People have known for a long time that this fish eats mosquito larvae, but this was the first time that researchers had looked at how the fish could be used to control malaria. This disease made 300 million people ill and caused a million deaths worldwide every year.

What was the effective weapon used to reduce the spread of malaria in Kenya?

- A. disinfectant
- B. fish
- C. mosquito larvae
- D. research

S No.48

Item Code	Question Type	Ans Key	Marks
3153048	MCQ	C	1

After reading the given TEXT answer the 4 questions by choosing the appropriate option.

TEXT

Researchers in Kenya have found that a fish could be an effective weapon in the fight to reduce the spread of malaria. A fish that is normally eaten was introduced to several places in the west of the country. The fish eats mosquito larvae, which are young mosquitoes before they have wings.

People have known for a long time that this fish eats mosquito larvae, but this was the first time that researchers had looked at how the fish could be used to control malaria. This disease made 300 million people ill and caused a million deaths worldwide every year.

Where in Kenya was the menace of malaria more evident?

- A. east of the country
- B. forests
- C. west of the country
- D. valleys in the north

S No.49

Item Code	Question Type	Ans Key	Marks
3153049	MCQ	C	1

After reading the given TEXT answer the 4 questions by choosing the appropriate option.

TEXT

Researchers in Kenya have found that a fish could be an effective weapon in the fight to reduce the spread of malaria. A fish that is normally eaten was introduced to several places in the west of the country. The fish eats mosquito larvae, which are young mosquitoes before they have wings.

People have known for a long time that this fish eats mosquito larvae, but this was the first time that researchers had looked at how the fish could be used to control malaria. This disease made 300 million people ill and caused a million deaths worldwide every year.

Mosquito larvae are otherwise called 'wigglers'. What is the larvae of a butterfly called?

- A. moth
- B. pupa
- C. caterpillar
- D. maggot

S No.50

Item Code	Question Type	Ans Key	Marks
3153050	MCQ	B	1

After reading the given TEXT answer the 4 questions by choosing the appropriate option.

TEXT

Researchers in Kenya have found that a fish could be an effective weapon in the fight to reduce the spread of malaria. A fish that is normally eaten was introduced to several places in the west of the country. The fish eats mosquito larvae, which are young mosquitoes before they have wings.

People have known for a long time that this fish eats mosquito larvae, but this was the first time that researchers had looked at how the fish could be used to control malaria. This disease made 300 million people ill and caused a million deaths worldwide every year.

Which of the following statements is **incorrect**?

- A. Research focus was to fight malaria spread
- B. Mosquito larvae have wings
- C. Malaria causes death of 100 million people every year
- D. Malaria was controlled by fish

S No.51

Item Code	Question Type	Ans Key	Marks
3163051	MCQ	B	1

Name the element as indicated by the arrow in the given figure.

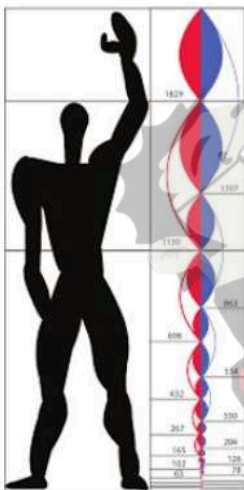


- A. Pilaster
- B. Lintel
- C. Sill beam
- D. Pier

S No.52

Item Code	Question Type	Ans Key	Marks
3163052	MCQ	C	1

The image represents the graphical human scale used by Le Corbusier to represent dimensions. What is it called?



- A. Anthropometric man
- B. Vitruvian man
- C. Modular Man
- D. Canonic Man

S No.53

Item Code	Question Type	Ans Key	Marks
3163053	MCQ	C	1

Match the building components with their **most appropriate** function as given below.

1	Walls	P	Protecting
2	Beams	Q	Supporting
3	Parapet	R	Enclosing
4.	Foundation	S	Transferring load

- A. 1- S; 2- R; 3- P; 4- Q
- B. 1- P; 2- R; 3- S; 4- Q
- C. 1- R; 2- S; 3- P; 4- Q
- D. 1- Q; 2- P; 3- S; 4- R

S No.54

Item Code	Question Type	Ans Key	Marks
3163054	MCQ	A	1

Identify the building construction equipment.



- A. Plumb bob
- B. Spirit level
- C. Wedge
- D. Line and pins

S No.55

Item Code	Question Type	Ans Key	Marks
3163055	MCQ	B	1

What is the building element as indicated by the arrow called?



- A. Sill
- B. Coping
- C. Throating
- D. Cornice

S No.56

Item Code	Question Type	Ans Key	Marks
3173056	MCQ	C	2

On which river bank is the city of Hyderabad located?

- A. Tapti
- B. Godavari
- C. Musi
- D. Vaigai

S No.57

Item Code	Question Type	Ans Key	Marks
3173057	MCQ	D	2

Which institution operates the currency and credit system in India?

- A. Stock Exchange
- B. Government banks
- C. Ministry of Finance
- D. Reserve Bank of India

S No.58

Item Code	Question Type	Ans Key	Marks
3173058	MCQ	A	2

In May 2023, Open Challenge program 2.0 was seen in the news. It has been launched by which of the following?

- A. RINL (Rashtriya Ispat Nigam Ltd)
- B. ISRO (Indian space research organization)
- C. BHEL (Bharat Heavy Electricals Limited)
- D. BEL (Bharat Electronics Limited)

S No.59

Item Code	Question Type	Ans Key	Marks
3173059	MCQ	D	2

'Stay True', an autobiography won the Pulitzer Prize 2023. Who wrote it?

- A. Carl Philips
- B. Rhiannon Giddens and Michael Abels
- C. Jefferson Cowie
- D. Hua Hsu

S No.60

Item Code	Question Type	Ans Key	Marks
3173060	MCQ	C	2

What is the natural phenomenon called as seen in the image?

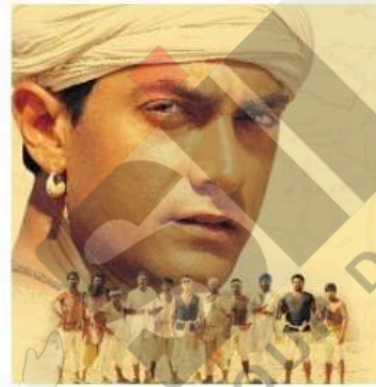


- A. Thunder and lightning
- B. Galaxy
- C. Northern lights
- D. Fog

S No.61

Item Code	Question Type	Ans Key	Marks
3173061	MCQ	B	2

To which famous Bollywood blockbuster does this poster belong to?



- A. Patiala House
- B. Lagaan
- C. Iqbal
- D. PK

S No.62

Item Code	Question Type	Ans Key	Marks
3173062	MCQ	D	2

Which of the following books is NOT written by Ayn Rand?

- A. Atlas Shrugged
- B. Fountainhead
- C. Anthem
- D. Beyond Good and Evil

S No.62

Item Code	Question Type	Ans Key	Marks
3173062	MCQ	D	2

Which of the following books is NOT written by Ayn Rand?

- A. Atlas Shrugged
- B. Fountainhead
- C. Anthem
- D. Beyond Good and Evil

S No.63

Item Code	Question Type	Ans Key	Marks
3183063	NAT	35	1

Solve the following puzzle.

$$\text{Banana} + \text{Banana} = 30$$

$$\text{Cherry} + \text{Cherry} = 20$$

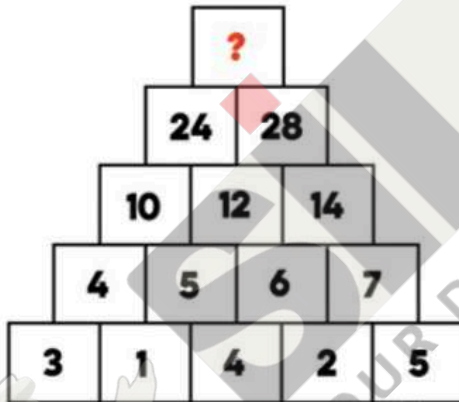
$$\text{Apple} + \text{Apple} = 8$$

$$\text{Banana} + \text{Cherry} \times \text{Apple} = ?$$

S No.64

Item Code	Question Type	Ans Key	Marks
3183064	NAT	55	1

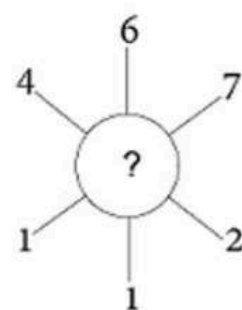
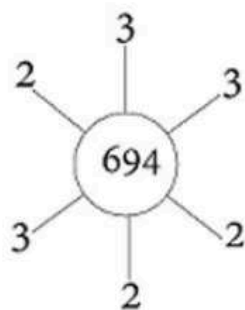
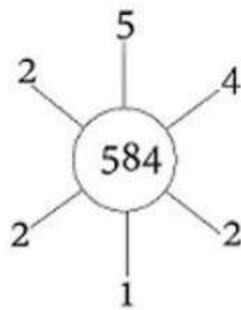
Find the value of '?' in the given pyramid.



S No.65

Item Code	Question Type	Ans Key	Marks
3183065	NAT	678	1

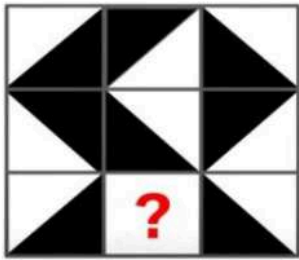
Find the number which will replace the question mark in the following problem figure?







S No.66

Item Code	Question Type	Ans Key	Marks
3183066	MCQ	A	1

Identify the pattern from the given answer choices that replaces the question mark in the given sequence.



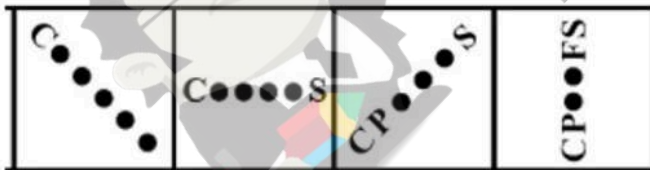
- A.  C. 
- B.  D. 



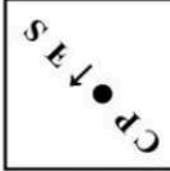

S No.67

Item Code	Question Type	Ans Key	Marks
3183067	MCQ	A	1

Select a figure from amongst the answer options which will continue the same series as established by the problem figure.

Problem Figure



- A.  B.  C.  D. 

S No.68

Item Code	Question Type	Ans Key	Marks
3193068	MSQ	A, E, F, H	2

Choose any **four** most appropriate principles of design which can be commonly observed in the given image.

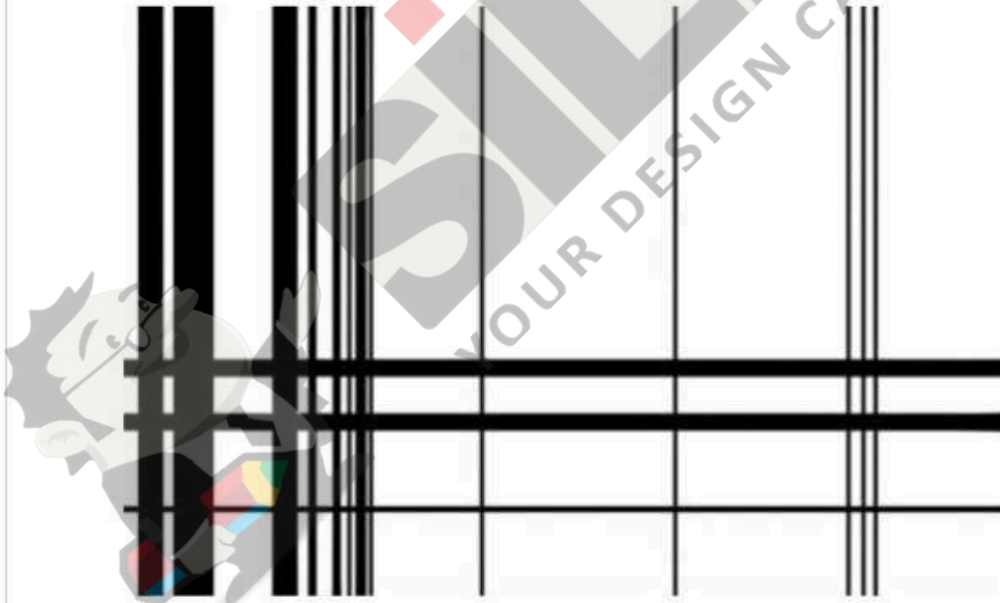


- A. Depth
- B. Focal point
- C. Hierarchy
- D. Movement
- E. Texture
- F. Contrast
- G. Emphasis
- H. Solids and voids

S No.69

Item Code	Question Type	Ans Key	Marks
3193069	MSQ	B, C, E, F	2

Identify the **four** most appropriate design elements/ principles of design observed in the given composition.



- A. Axis
- B. Line
- C. Gradation
- D. Line weight
- E. Contrast
- F. Parallelism
- G. Flow
- H. Depth

S No.70

Item Code	Question Type	Ans Key	Marks
3193070	MSQ	B, C, D, E	2

Choose any **four most appropriate principles/attributes of design** which can be commonly observed in the given image.



- A. Balance
- B. Progression
- C. Dominance
- D. Chaos
- E. Similarity
- F. Contrast
- G. Axis
- H. Order

S No.71

Item Code	Question Type	Ans Key	Marks
31103071	MCQ	C	2

Identify the monument from the given image.

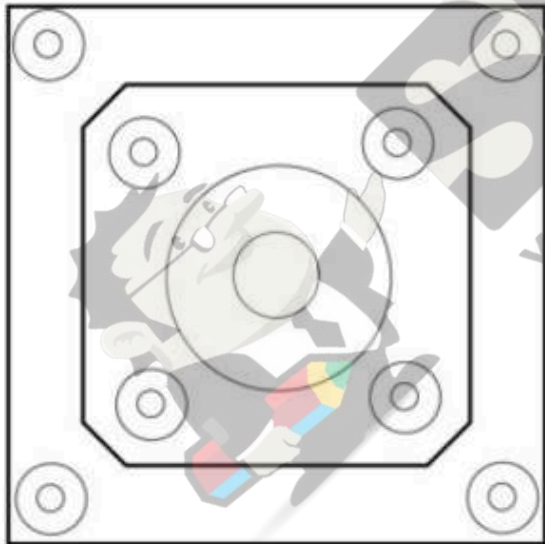


- A. Golden temple
- B. Modhera temple
- C. Konark Sun temple
- D. Mahabalipuram Shore temple

S No.72

Item Code	Question Type	Ans Key	Marks
31103072	MCQ	B	2

The plan image below represents a famous building. Identify.



- A. Char Minar, Hyderabad
- B. Taj Mahal, Agra
- C. Gol Gumbaz, Bijapur
- D. Humayun's tomb, Delhi

S No.73

Item Code	Question Type	Ans Key	Marks
31103073	MCQ	D	2

Choose the type of bridge construction.



- A. Cantilever
- B. Truss
- C. Suspension
- D. Arch

S No.74

Item Code	Question Type	Ans Key	Marks
31103074	MCQ	B	2

This image is part of the construction process. Identify.



- A. Rigged frames
- B. Scaffolding
- C. Catwalks
- D. Shuttering

S No.75

Item Code	Question Type	Ans Key	Marks
31103075	MCQ	C	2

Identify the city from the image given below.



- A. Kolkata
- B. Kuala Lumpur
- C. Mumbai
- D. Jakarta

S No.76

Item Code	Question Type	Ans Key	Marks
31113076	MCQ	B	2

Identify the Rupee symbol from the images given below.



A



B



C



D

S No.77

Item Code	Question Type	Ans Key	Marks
31113077	MCQ	C	2

Choose the ODD one out.



A



B



C

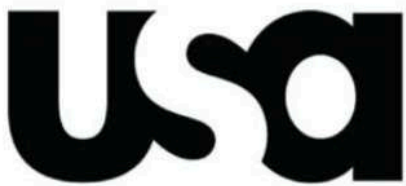


D

S No.78

Item Code	Question Type	Ans Key	Marks
31113078	MCQ	D	2

Which of the following principle is used in the logo given below?



- A. Figure and Ground
- B. Proximity
- C. Symmetry
- D. Closure

S No.79

Item Code	Question Type	Ans Key	Marks
31113079	MCQ	Bonus marks for all who have attempted	2

Match the following:

		P
		R
		S
		T

- A. 1- Q, 2-R; 3- S; 4- P
- B. 1- R; 2- S; 3- Q; 4- P
- C. 1- S; 2- R; 3- P; 4- Q
- D. 1- S; 2- Q; 3- R; 4- P

S No.80

Item Code	Question Type	Ans Key	Marks
31113080	MCQ	A	2

Name the country from the flag depicted.



- A. New Zealand
- B. England
- C. Australia
- D. America

S No.81

Item Code	Question Type	Ans Key	Marks
31123081	MCQ	A	2

Which 3-dimensional geometric form will result from folding the given net? Identify the resulting geometric form from the options given below.

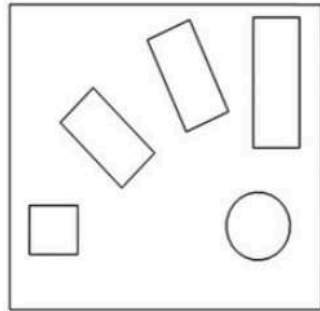


- A. Icosahedron
- B. Hexahedron
- C. Octahedron
- D. Tetrahedron

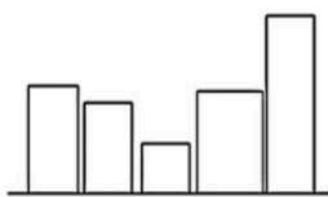
S No.82

Item Code	Question Type	Ans Key	Marks
31123082	MCQ	C	2

Choose the correct FRONT VIEW for the given TOP VIEW of objects stacked on a plane.



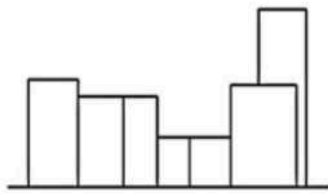
TOP VIEW



(A)



(B)



(C)

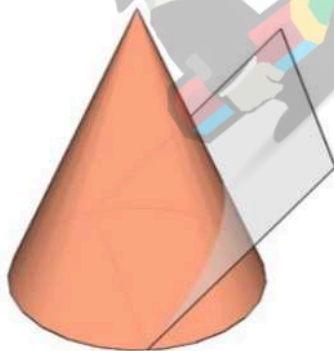


(D)

S No.83

Item Code	Question Type	Ans Key	Marks
31123083	MCQ	B	2

Identify the cutting plane geometrical shape from the options given below.

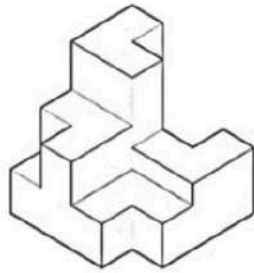


- A. Circle
- B. Parabola
- C. Hyperbola
- D. Ellipse

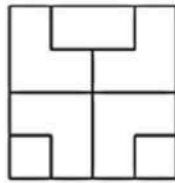
S No.84

Item Code	Question Type	Ans Key	Marks
31123084	MCQ	C	2

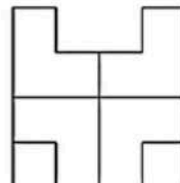
Identify the correct TOP VIEW for the given problem figure.



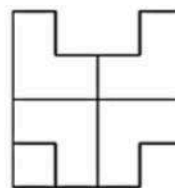
Problem figure



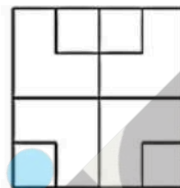
(A)



(B)



(C)



(D)

S No.85

Item Code	Question Type	Ans Key	Marks
31123085	MCQ	C	2

Identify the correct object from the options given, for the object marked red in the interior view.



(A)



(B)



(C)



(D)

S No.86

Item Code	Question Type	Ans Key	Marks
31133086	MCQ	C	2

Identify the colour scheme.



- A. Analogous
- B. Triadic
- C. Complementary
- D. Warm

S No.87

Item Code	Question Type	Ans Key	Marks
31133087	MCQ	C	2

Identify the colour harmony scheme used in the painting 'The Lady of Shalott' by John William Waterhouse.

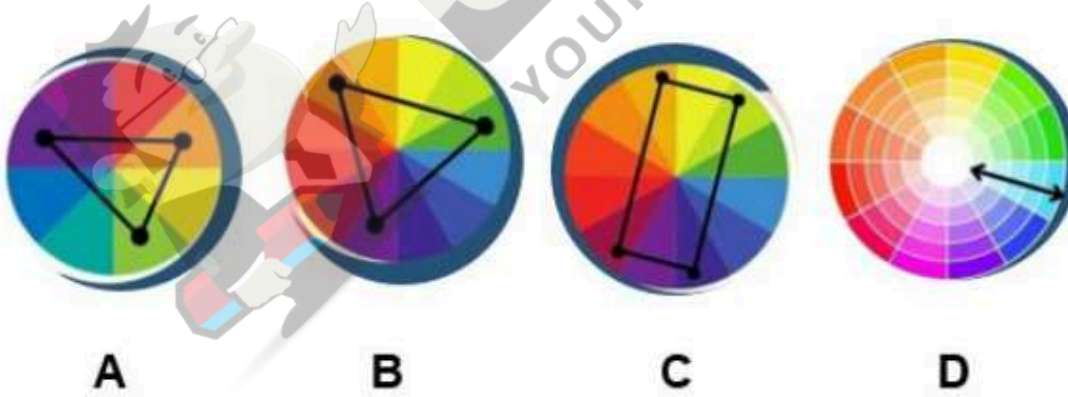


- A. Primary colour harmony
- B. Secondary colour harmony
- C. Tertiary colour harmony
- D. Triadic colour harmony

S No.88

Item Code	Question Type	Ans Key	Marks
31133088	MCQ	C	2

From the charts illustrated below identify the **tetradic** color harmony scheme.



A

B

C

D

S No.89

Item Code	Question Type	Ans Key	Marks
31133089	MCQ	A	2

Which among the four colour charts given below can be identified as 'pastel'?



A



B



C



D

S No.90

Item Code	Question Type	Ans Key	Marks
31133090	MCQ	D	2

Which among the following does not belong to the **tertiary** color harmony?

- A. Yellow- orange or AMBER
- B. Blue- green or TURQUOISE
- C. Red- orange or VERMILLION
- D. Blue- red or PURPLE

S No.91

Item Code	Question Type	Ans Key	Marks
31143091	MCQ	C	2

Which of the following is not an element of design?

- A. Color
- B. Shape
- C. Emphasis
- D. Form

S No.92

Item Code	Question Type	Ans Key	Marks
31143092	MSQ	B, C, E, G	2

Identify the **four** most appropriate elements/ principles of design in the given photographic compositions.



- A. Contrast
- B. Line
- C. Balance
- D. Emphasis
- E. Unity
- F. Pattern
- G. Dominance
- H. Hierarchy

S No.93

Item Code	Question Type	Ans Key	Marks
31143093	MSQ	B, C, F, G	2

Identify the **four** most appropriate principles of design applicable to the composition given below.



- A. Gradation
- B. Hierarchy
- C. Dominance
- D. Movement
- E. Depth
- F. Focal Point
- G. Order
- H. Texture

S No.94

Item Code	Question Type	Ans Key	Marks
31153094	MCQ	D	2

What is the type of art work depicted in the given image?

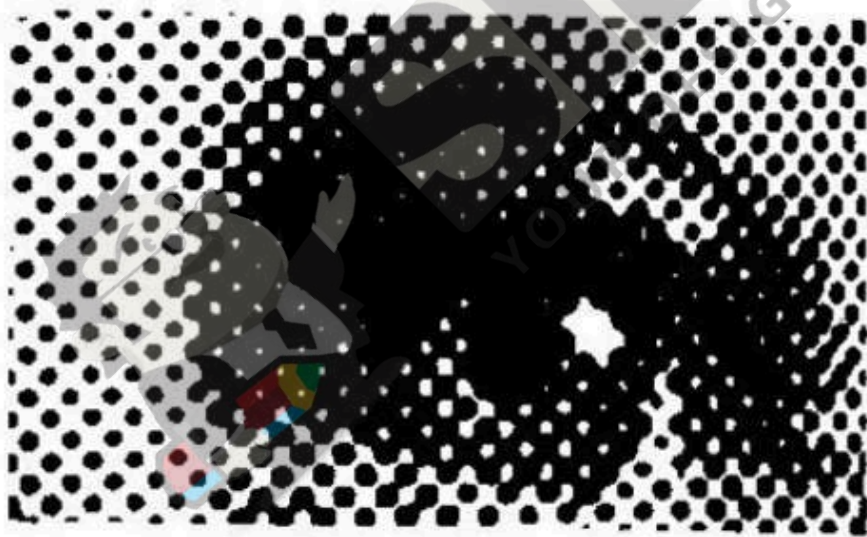


- A. Surrealism
- B. Graphic art
- C. Pointillism
- D. Photorealism

S No.95

Item Code	Question Type	Ans Key	Marks
31153095	MCQ	B	2

Identify the principle used in the given art-work below.



- A. Closure
- B. Proximity
- C. Figure and ground
- D. Symmetry

S No.96

Item Code	Question Type	Ans Key	Marks
31153096	MCQ	D	2

The 'Common Man' a cartoon figure was created by whom?



- A. Arvind Kejriwal
- B. Mario Miranda
- C. Abu Abraham
- D. R K Laxman

S No.97

Item Code	Question Type	Ans Key	Marks
31163097	MCQ	B	2

Identify the building from the black and white ink drawing given below.

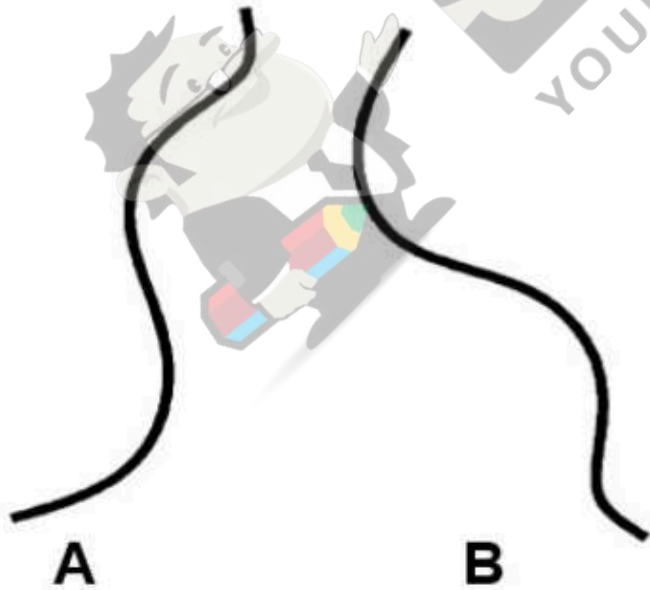


- A. Mecca Masjid, Hyderabad
- B. Pearl Mosque, Agra
- C. Jama Masjid, N Delhi
- D. Moti Masjid, Bhopal

S No.98

Item Code	Question Type	Ans Key	Marks
31163098	MCQ	A	2

All four curves have same length and profile except one identify the ODD one.



S No.99

Item Code	Question Type	Ans Key	Marks
31163099	NAT	8, 5	2

How many

(1) edges and

(2) vertices do a square based pyramid have?

[Answer format: To be written as **edges, vertices** in this order. Example **1,2**). Only numericals allowed with comma symbol. Answer in any other format other than that specified will not be accepted for marking]

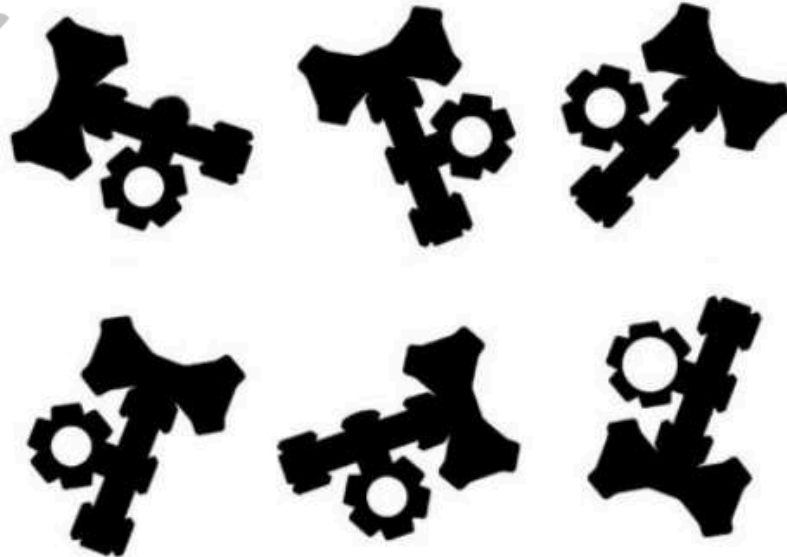
S No.100

Item Code	Question Type	Ans Key	Marks
31163100	NAT	2	2

How many key patterns will fit the given key pattern without flipping / mirroring the image?



Given Key Pattern



S No.101

Item Code	Question Type	Ans Key	Marks
31173101	MCQ	A	2

If all the given statements are true find who is the youngest among the three sisters Kate, Natalie and Joanna.

Kate is the Oldest. Natalie is not the oldest. Joanna is not the youngest.

- A. Natalie
- B. Kate
- C. Joanna and Natalie
- D. Joanna

S No.102

Item Code	Question Type	Ans Key	Marks
31173102	MCQ	B	2

Statements:

S1: Some men are kings

S2: All kings have golden crowns

Conclusions:

C1: All men have golden crowns

C2: All kings are men

Which of the following is the correct answer?

- A. Only conclusion 1
- B. Only conclusion 2
- C. Either 1 or 2
- D. Neither 1 nor 2

S No.103

Item Code	Question Type	Ans Key	Marks
31173103	MCQ	B	2

Choose the ODD one out.

- A. Index
- B. Book
- C. Glossary
- D. Chapter

S No.104

Item Code	Question Type	Ans Key	Marks
31173104	MCQ	C	2

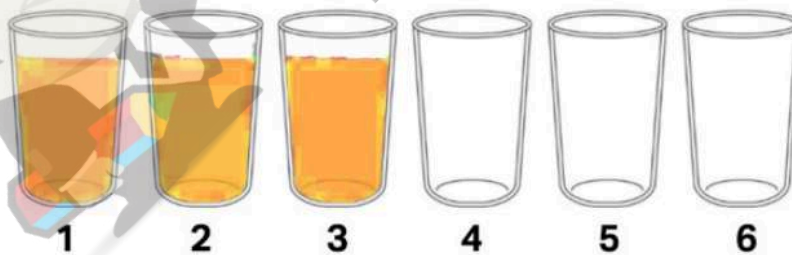
How many times the digit "2" appear between 1 and 100?

- A. 19
- B. 1
- C. 20
- D. 21

S No.105

Item Code	Question Type	Ans Key	Marks
31173105	MCQ	B	2

Three of the glasses are filled with orange juice, the other three are empty, by moving only one glass, can you arrange them so the full and empty glasses alternate. Choose which is the glass to be moved.



- A. CUP 1
- B. CUP 2
- C. CUP 3
- D. CUP 6

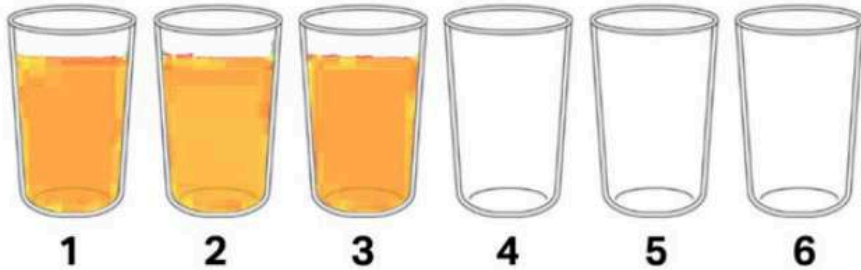
S No.104			
Item Code	Question Type	Ans Key	Marks
31173104	MCQ	C	2

How many times the digit "2" appear between 1 and 100?

A. 19
 B. 1
 C. 20
 D. 21

S No.105			
Item Code	Question Type	Ans Key	Marks
31173105	MCQ	B	2

Three of the glasses are filled with orange juice, the other three are empty, by moving only one glass, can you arrange them so the full and empty glasses alternate. Choose which is the glass to be moved.



A. CUP 1
 B. CUP 2
 C. CUP 3
 D. CUP 6

S No.106

Item Code	Question Type	Ans Key	Marks
31173106	MCQ	C	2

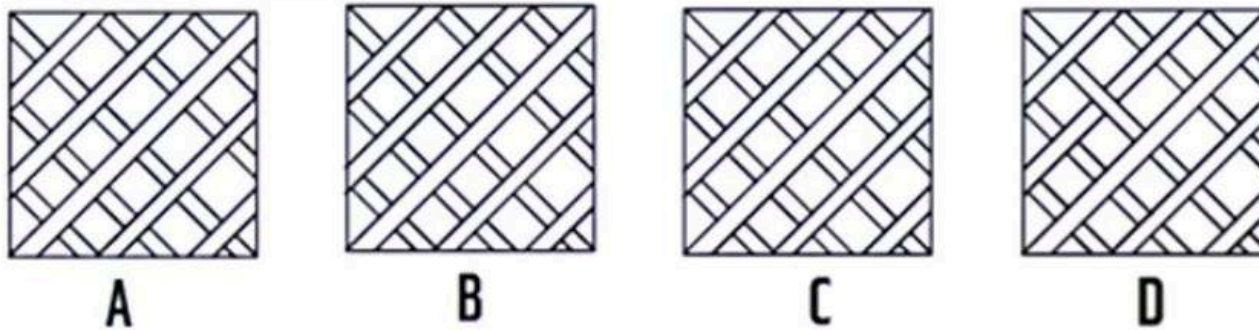
Choose the ODD shape out from the given options.



S No.107

Item Code	Question Type	Ans Key	Marks
31173107	MCQ	D	2

Which of the following is the ODD one out?



S No.108

Item Code	Question Type	Ans Key	Marks
31173108	MCQ	C	2

Match the material with sculpture mediums: (Marks will be awarded only if all answers are correct)

P. Casting	1. Ivory
Q. Modelling	2. Scrap wood
R. Carving	3. Aluminum
S. Assemblage	4. Wax

- A. P- 3; Q- 1; R- 4; S-2
- B. P- 4; Q- 3; R- 2; S- 1
- C. P- 3; Q- 4; R- 1; S- 2
- D. P- 2; Q- 1; R- 4; S- 3

S No.109

Item Code	Question Type	Ans Key	Marks
31173109	MCQ	C	2

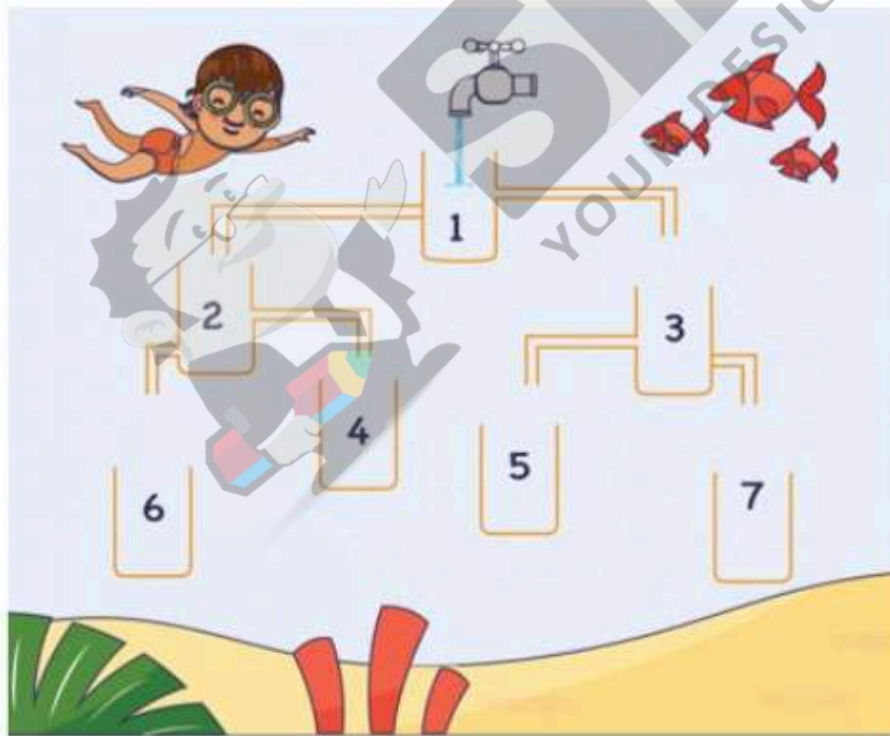
What cognitive ability are children displaying when they attribute human-like qualities to objects?

- A. Egocentrism
- B. Conservation
- C. Animism
- D. Object permanence

S No.110

Item Code	Question Type	Ans Key	Marks
31173110	NAT	5	2

Which bucket will fill first?



S No.111

Item Code	Question Type	Ans Key	Marks
31183111	MSQ	B, D, E, G	2

Identify any **four** building elements/ components from the image given below.
Marks will be awarded only if all answers are correct.



- A. Grid slab
- B. Ramps
- C. Escalators
- D. Recessed openings
- E. Pergola
- F. Dormer windows
- G. Corridors
- H. Shading devices

S No.112

Item Code	Question Type	Ans Key	Marks
31183112	MSQ	A, D, E, G	2

Identify any **four** building elements/ components from the image given below.
Marks will be awarded only if all answers are right.



- A. Pendentive
- B. Vaults
- C. Columns
- D. Geometry
- E. Dome
- F. Gallery
- G. Clerestory
- H. Mezzanine

S No.113

Item Code	Question Type	Ans Key	Marks
31183113	MSQ	A, D, F, H	2

What are the advantages of using **mud** as a construction material in tropical countries? Identify **four** most appropriate advantages from the options listed below. (Marks will be awarded only if all answers are correct.)

- A. Recyclability
- B. Non porosity
- C. High moisture resistance
- D. Biodegradability
- E. Resistant to weathering
- F. Reduces carbon foot printing
- G. High durability
- H. Insulation

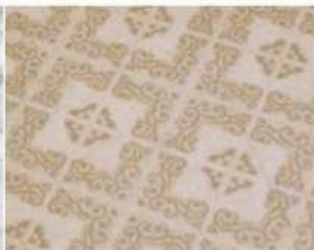
S No.114

Item Code	Question Type	Ans Key	Marks
31183114	MCQ	B	2

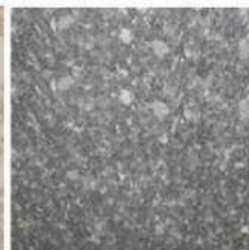
Which is the ODD one out from amongst the flooring materials?



A



B



C



D

S No.115

Item Code	Question Type	Ans Key	Marks
31183115	MCQ	A	2

Which of the following options most appropriately describes the **primary function** of the building component indicated by the arrow?



- A. Weather shed
- B. Aesthetic
- C. Overhang
- D. Security

S No.116

Item Code	Question Type	Ans Key	Marks
31193116	MCQ	B	3

Carefully observe the given Art work.
The image will disappear after **45** seconds and answer the following **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



Choose the correct image of one of the little girls as seen in the given image.



A



B



C



D

S No.117

Item Code	Question Type	Ans Key	Marks
31193117	NAT	3	3

Carefully observe the given Art work.

The image will disappear after 45 seconds and answer the following **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



How many balloons were seen in the image?

S No.118

Item Code	Question Type	Ans Key	Marks
31193118	NAT	3	3

Carefully observe the given image which depicts Lord Krishna with a group of villagers. You can view the image for **45** seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



How many children were there in the image?

S No.119

Item Code	Question Type	Ans Key	Marks
31193119	MCQ	C	3

Carefully observe the given image which depicts Lord Krishna with a group of villagers. You can view the image for **45** seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



What is the color of Lord Krishnas stole?

- A. Yellow
- B. Grey
- C. Green
- D. White

S No.120

Item Code	Question Type	Ans Key	Marks
31193120	NAT	3	3

Carefully observe the given image of train engines.

You can view the image for **45** seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



How many coal train engines were seen in the given image?

S No.121

Item Code	Question Type	Ans Key	Marks
31193121	NAT	2	3

Carefully observe the given image of train engines.

You can view the image for **45** seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



How many train engines were seen facing the front (in front elevation)?

S No.122

Item Code	Question Type	Ans Key	Marks
31193122	NAT	4	3

Carefully observe the given image set depicting a number of contemporary buildings which are repeated in the image set.

You can view the image for 45 seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



How many buildings in the given image set had a shell roof?

S No.123

Item Code	Question Type	Ans Key	Marks
31193123	MCQ	B	3

Carefully observe the given image set depicting a number of contemporary buildings which are repeated in the image set.

You can view the image for **45** seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



Which of the following buildings appeared 3 times in the given image set?



P



Q



R



S

- A. P and Q
- B. P and S
- C. Q and R
- D. R and S

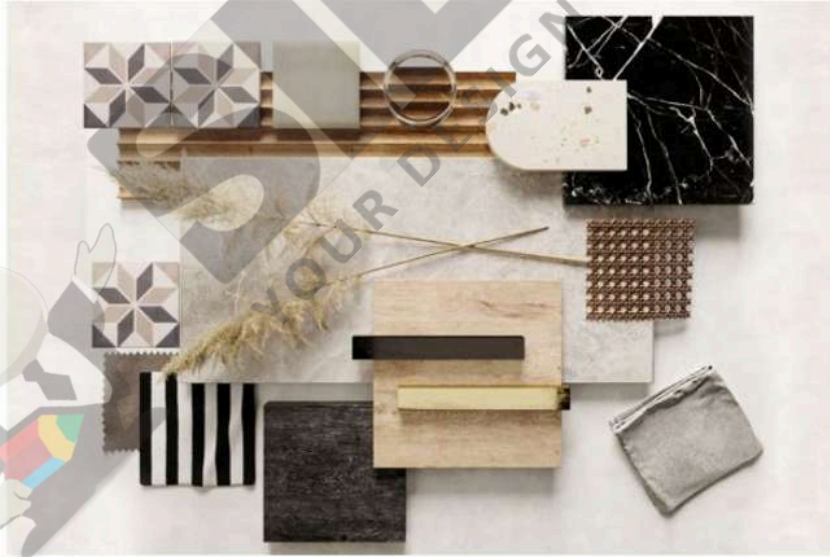
S No.124

Item Code	Question Type	Ans Key	Marks
31193124	MCQ	D	3

Carefully observe the given image set comprising of a number of materials.

You can view the image for **45** seconds after which it will disappear. You will then answer **two questions** based on the image.

Caution: The image once viewed cannot be viewed again.



Choose the correct colour sample of the fabric seen in the given image from amongst the options given.



A



B



C



D

