

Sample Question Paper

Class VI

Total Questions 51

Time: 1 hour

Section A- Logical Reasoning

Question 1. Moon: Satellite :: Earth :___?

Option A: Sun

Option B: Planet

Option C: Solar system

Option D: Asteroid

Question 2. Square: Octagon

Option A: Cone: Sphere

Option B: Triangle: Hexagon

Option C: Square: Decagon

Option D: Hexagon: Heptagon

Question 3. Volcanic eruptions, tornados, and tsunamis are the?

Option A: Cyclones

Option B: Accident

Option C: Events

Option D: Natural disasters

Question 4. Emily ranked 12th from the top and 15th from the bottom in a class. How many students are there in the class?

Option A: 27

Option B: 26

Option C: 25

Option D: 28

Question 5. Observe the given pattern and choose the correct option for “?” mark.

000 000 000	000 000	000
00 00 00	00 00	00
0 0 0	0 0	?

Option A:

000

Option B:

0

Option C:

00

Option D:

0
0

Question 6. In the following series, what number comes next?

1, 7, 13, 25, 37, 55, ____

Option A: 97

Option B: 98

Option C: 73

Option D: 100

Question 7. Desert : Waves :: Ocean : _____?

Option A: Sea

Option B: Dust

Option C: Fishes

Option D: Sand dunes

Question 8. Which of the following series will occur next in the pattern given below?



Option A:



Option B:



Option C:



Option D:



Question 9. Statements:

1. All books are fiction
2. All fictions are novels

Which of the following is the inference to the above statements?

Option A: All novels are books.

Option B: Some novels are books.

Option C: All fictions are books.

Option D: All novels are fiction.

Question 10. Find the next figure in the following series.

OOOOO	OOOO	OOO
@	@@	@@@

Option A:

OOOOO
@@

Option B:

OOO
@@

Option C:

OOOO
@@

Option D:

OO
@@@@

Section B- Mathematical reasoning

Question 11. Gavin scored 67 points more than five-sixths of Calvin's score in an online game. Select the options that display the score of Gavin if Calvin has scored 'c' points.

Option A: $56c + 67$

Option B: $65c - 67$

Option C: $65c + 67$

Option D: $56c - 67$

Question 12. Suppose $a = 5$, $b = 11$, and $c = 6$. Then find the value of $bc - 5abc - 230$.

Option A: 223

Option B: 0

Option C: 0.41

Option D: 4.1

Question 13. The given table shows the temperature of a city for 7 consecutive hours.

Hour	1	2	3	4	5	6	7
Temperature ($^{\circ}\text{C}$)	-8	15	-2	23	17	0	-4

Calculate the difference between the highest and the lowest temperature in the city over the 7-hour period.

Option A: 31°C

Option B: 29°C

Option C: 21°C

Option D: 25°C

Question 14. Choose the correct option.

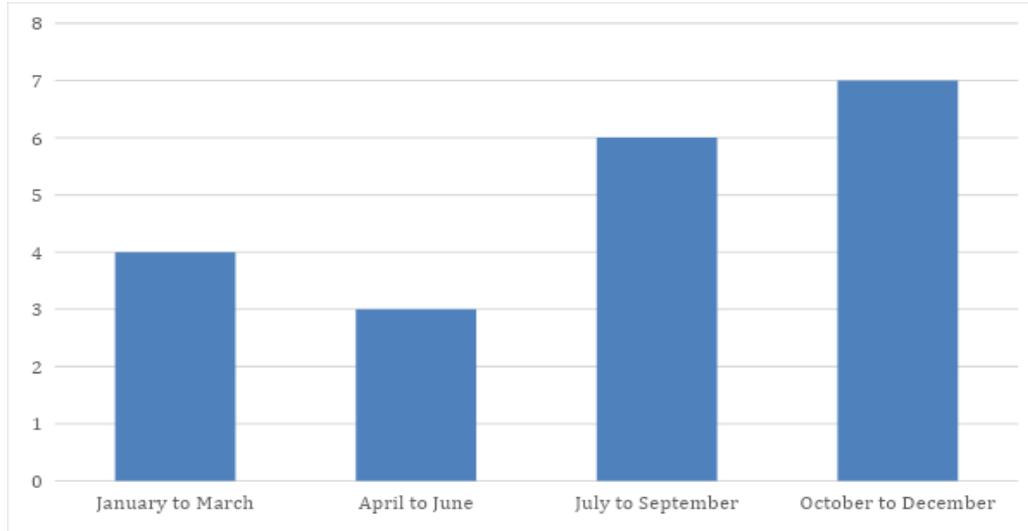
Option A: $4.56 < 4.789 < 5.678 < 4.556 < 5.52$

Option B: $4.789 < 4.556 < 5.52 < 4.56 < 5.678$

Option C: $4.556 < 4.56 < 4.789 < 5.52 < 5.678$

Option D: $5.678 < 5.52 < 4.789 < 4.56 < 4.556$

Question 15. This chart shows the number of people with birthdays in each three months of the year. How many people have a birthday before July but after March if 1 on scale is equivalent to 100 people?



Option A: 700

Option B: 500

Option C: 600

Option D: 300

Question 16. Subtract $\{300 + 80 + 5 + 610 + 2100\}$, from the sum of $\{400 + 20 + 7 + 4100\}$ and $\{100 + 80 + 610 + 7100\}$.

Option A: 333.03

Option B: 222.09

Option C: 322.09

Option D: 202.09

Question 17. What is the additive inverse of $78 + (-45) - 56 + 23 + (-89) - (-67)$?

Option A: 22

Option B: 22

Option C: 156

Option D: 156

Question 18. -11 more than sum of the largest even negative integer and smallest natural number is ____.

Option A: 10

Option B: -12

Option C: 9

Option D: -13

Question 19. Joseph appeared an exam with 100 questions. In the exam, each correct answer carries 4 marks and each wrong answer carries -1 marks. Joseph attempted 89 questions, and 78 of the responses were right. What is his score?

Option A: 296

Option B: 301

Option C: 306

Option D: 311

Question 20. A horse has been tied to a rope of length 11m at a corner of a rectangular field of the dimensions 28m \times 20m. If the length of the rope is increased to 19m, then the additional grassy area in which the horse can graze is _____ (take $\pi = 227$).

[Round off your answer up to one decimal point].

Option A: 188.6

Option B: 189.6

Option C: 187.6

Option D: 188.5

Question 21. A chord of a circle of radius R subtends an angle of 30° at its center. The ratio of areas of a smaller and larger segment is?

Option A: 1:30

Option B: 1:24

Option C: 1:23

Option D: 1:22

Question 22. A football player was selected to play 42 matches, out of which he won 16 matches and due to some injuries, he could not play 14 matches. Find the ratio of matches lost and the matches won.

Option A: 16:12

Option B: 14:42

Option C: 3:4

Option D: 16:42

Question 23. A container contains 4 liters of gasoline. A merchant wants to purchase 120 liters. Find the cost at which he will purchase gasoline if the cost of 40 containers is £60,000.

Option A: £24,000

Option B: £45,000

Option C: £54,000

Option D: £44,000

Question 24. Find $7 \times 9 \times 11 \div 9$ is a/an _____.

Option A: Prime number.

Option B: Composite number.

Option C: Even but prime.

Option D: None of the above.

Question 25. The LCM of two numbers x and y is 1080 and the LCM of numbers 4x and 15y is also 1080. The number y is _____.

Option A 216

Option B 104

Option C 218

Option D 106

Section C- Science

Question 26. Plants growing under direct sunlight are known as?

Option A: Heliophytes

Option B: Sciophytes

Option C: Psammophytes

Option D: Dicots

Question 27. The energy flow in ecosystem is always?

Option A: Always unidirectional

Option B: Always up directional

Option C: In any direction

Option D: Always bidirectional

Question 28. Select a denitrifying bacteria.

Option A: Bacillus ramosus

Option B: Thiobacillus denitrificans

Option C: E coli

Option D: Algae

Question 29. Jack has written some examples of some motions. Identify the mistake in his examples.

Circular motion: Motion displayed by a moving Beyblade, Earth revolving around the sun, Carousels, A jogging man

Rectilinear motion: Vehicles on a road, students marching, motion of an arrow

Oscillatory motion: Pendulum of a clock, Swing, Strings of a violin

Option A: Circular motion

Option B: Oscillatory motion

Option C: Rectilinear motion

Option D: None of the above

Question 30. Out of the following, which liquid gets evaporated as it comes in contact with the atmosphere?

Option A: Water

Option B: Acetone

Option C: Tar

Option D: Honey

Question 31. _____ millimeters = 23 meters?

Option A: 23,000

Option B: 2,300

Option C: 0.0023

Option D: 0.023

Question 32. The Names of a few plants are given below, which of these are dispersed by animals?

Peas, Dates, Apple, Rambutan, Raspberry, Coconut, Dandelion

Option A: Dates, Rambutan, Raspberry, Apple

Option B: Peas, Dates, Coconut

Option C: Apple, Coconut, Rambutan

Option D: Dates, Coconut, Dandelion

Question 33. The adaptive features of an animal help for its survival in grasslands. As per the given adaptations, which animal can it be?

I- Strong flat teeth for cutting and chewing hard plants.

II- They have long ears to listen to detect the sound of movement of any predator.

III- They have eyes on the side of their heads.

Option A: Frog

Option B: Deer

Option C: Lion

Option D: Tiger

Question 34. Select the option that satisfies the same relationship with their relationships and the habitats.

Shark: Frog: Kinkajou

Option A: Monkey: Sea-horse: snake

Option B: Tuna: Salamander: Koala

Option C: Newt: Mongoose: Lion

Option D: Giraffe: Anteater: Goose

Question 35. Select the wrong statement(s) out of the following.

Statement I: Liquids change their shape as well as their volume.

Statement II: Molecules in liquids do not attract each other very strongly.

Statement III: Liquids do not have a definite shape.

Statement IV: Molecules in liquids have fixed positions.

Option A: Statements I and II

Option B: Statement I

Option C: Statement III

Option D: Statements I and IV

Question 36. When you bring book in front of candle in a dark room the shadow is formed on the wall because?

Option A: Book absorbs light completely

Option B: Book bend lights

Option C: Book is an opaque object in the path of light.

Option D: All of these

Question 37. Identify true and false statements from the following.

Option A: Speed of light travels faster than sound

Option B: Shadow does not show lateral inversion

Option C: Penumbra is very dark because some light from the light source reaches it

Option D: The shadow will be complete and very dark if the light source is very small and pointed

Question 38. Select the statement which is right.

Option A: One can clearly see through an opaque object.

Option B: Most of the light passes through a transparent object.

Option C: Light partially passes through an opaque object.

Option D: Light can pass easily through glass, wood and metal plates.

Question 39. 4 friends were given some mixtures and they classified them as heterogeneous and homogeneous. Select the incorrect Classification.

Name of friends	Homogeneous	Heterogeneous
Harry	Sugar Solution	A mixture of oil and water
Jack	Air	Sugar and Sand
Lily	Rain	Sand solution
Mia	Soil	Steel

Option A: Harry

Option B: Lily

Option C: Mia

Option D: Jack

Question 40. Jack grouped some materials according to their properties. Out of the following groups, choose the wrong group.

Option A: Materials that float on water: Balloon, Wood piece, Boiled egg

Option B: Materials that are good conductors of heat: Metal, iron, steel

Option C: Materials that are transparent: Glass, butter paper, Mirror

Option D: Materials that have magnetic properties: Iron, Nickel, Steel

Section D - English

Question 41. Choose the correct antonym of the given word.

Blessing

Option A: Burden

Option B: Hardship

Option C: Responsibility

Option D: None

Question 42. Choose the correct plural form of tomato.

Option A: Tomatos

Option B: Tomatoes

Option C: Tomateos

Option D: None

Question 43. Choose the correct option to fill in the blank.

_____ he entered the room, his friends were not there.

Option A: If

Option B: Because

Option C: When

Option D: Although

Question 44. Choose the correct article to fill in the blank.

The train does 250 miles _____ hour.

Option A: a

Option B: an

Option C: the

Option D: no article

Question 45. Fill in the blank with suitable conjunctions.

Iron _____ coal is found in India.

Option A: but

Option B: since

Option C: unless

Option D: as well as

Question 46. Identify the type of conjunction in capital letters in the given sentence.

They can stay in my house AS LONG AS they are in need of.

Option A: subordinating

Option B: correlative

Option C: coordinating

Option D: none of these

Question 47. Identify the type of noun in capital letters.

SONIA slammed the door.

Option A: Concrete

Option B: Common

Option C: Proper

Option D: Abstract

Question 48. Convert the phrase in capital letter in the sentence into an adverb.

Please wait for the result WITH PATIENCE.

Option A: patiently

Option B: patient

Option C: patient manner

Option D: none of these

Question 49. Choose the correct synonym of the given word.

Lethargy

Option A: Leave

Option B: Vigour

Option C: Fatigue

Option D: Spirit

Question 50. Identify the verb in the following sentences.

I saw some animals going to the jungle.

Option A: Animals

Option B: going

Option C: saw

Option D: Both B and C

Section E - Emotional Quotient

Question 51. You have prepared a working project in a science activity. A teammate accidentally falls on your project before it is shown to the teacher. Now, the project is not in a condition to show and get good grades. What will you do/tell your teammate.
