
IQNexus Science Olympiad (IQSO) – Class 3

Total Questions: 30 | **Total Marks:** 100 | **Time:** 1 Hour

Instructions:

- All questions are compulsory.
 - Each question has four options (A, B, C, D). Only one option is correct.
 - Read carefully before selecting your answer.
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Student Details (Fill in the details)

Name: _____ **Class:** _____
Section: _____ **Roll No.:** _____
School Name: _____

Section 1: Logical Reasoning & Science Puzzles (5 Questions – 10 Marks, 2 marks each)

1. If a dog has four legs and a bird has two legs, how many legs will five birds have?

- A) 5
- B) 10
- C) 15
- D) 20

2. Water flows from higher to lower levels. If you place a tilted pipe with one end higher, in which direction will the water flow?

- A) Upwards
- B) Downwards
- C) In circles
- D) It will stay still

3. Identify the odd one out:

- A) Mango
- B) Apple
- C) Tomato
- D) Grapes

4. If the pattern of the Moon changes every night, how many different shapes (phases) of the Moon can we see in a month?

- A) 4
- B) 8
- C) 12
- D) 16

5. Which of the following does NOT need air to survive?

- A) Fish
- B) Cat
- C) Plant
- D) Rock

Section 2: Core Science (Physics, Chemistry, Biology) (15 Questions – 45 Marks, 3 marks each)

6. Which part of the plant is responsible for making food?

- A) Roots
- B) Stem
- C) Leaves
- D) Flowers

7. What happens when ice is heated?

- A) It turns into steam
- B) It melts into water
- C) It becomes cold
- D) It disappears

8. Which organ helps us breathe?

- A) Heart
- B) Lungs
- C) Stomach
- D) Brain

9. What is the main function of roots in a plant?

- A) Make food
- B) Absorb water

- C) Support flowers
- D) Grow fruits

10. Which of the following objects will float on water?

- A) Stone
- B) Iron nail
- C) Wooden stick
- D) Coin

11. Which gas do humans breathe in from the air?

- A) Carbon dioxide
- B) Nitrogen
- C) Oxygen
- D) Hydrogen

12. When a rubber band is stretched and then released, what type of energy is used?

- A) Heat energy
- B) Sound energy
- C) Elastic energy
- D) Light energy

13. Which of the following is an example of a solid?

- A) Water
- B) Milk
- C) Ice
- D) Oxygen

14. Why does a pencil appear bent when placed in a glass of water?

- A) Because of reflection
- B) Because of refraction
- C) Because of absorption
- D) Because of evaporation

15. What is the function of white blood cells in the human body?

- A) Carry oxygen
- B) Fight diseases
- C) Digest food
- D) Control body temperature

16. Which of these is an example of a simple machine?

- A) Electric bulb
- B) Lever
- C) Radio
- D) Battery

17. Which type of motion does a ceiling fan show?

- A) Rectilinear motion
- B) Circular motion
- C) Vibratory motion
- D) Irregular motion

18. What happens when vinegar is mixed with baking soda?

- A) It forms bubbles and releases a gas
- B) It changes color
- C) It becomes solid
- D) Nothing happens

19. Which of the following is a natural source of light?

- A) Torch
- B) Sun
- C) Candle
- D) Tube light

20. Which planet is known as the "Red Planet"?

- A) Venus
- B) Mars
- C) Jupiter
- D) Saturn

Section 3: Scientific Aptitude & Application-based Questions (5 Questions – 25 Marks, 5 marks each)

21. A girl pushes a toy car, and it starts moving. What kind of force is applied?

- A) Magnetic force
- B) Gravitational force
- C) Frictional force
- D) Applied force

22. A glass bottle filled with water is placed in a freezer. After some time, the bottle breaks. Why?

- A) Water turns into gas
- B) Water expands when frozen
- C) Water becomes lighter
- D) The glass gets weak

23. Why do we add salt to icy roads in winter?

- A) To make the roads rough
- B) To make the ice melt faster

- C) To make roads harder
- D) To stop cars from skidding

24. If you mix sugar into water, what happens to the sugar?

- A) It disappears completely
- B) It turns into solid
- C) It dissolves in water
- D) It floats on top

25. Which of these is an object that can be stretched and return to its original shape?

- A) Chalk
 - B) Rubber band
 - C) Glass rod
 - D) Paper
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Section 4: HOTS (Higher Order Thinking Skills) (5 Questions – 20 Marks, 4 marks each)

26. Why do astronauts wear special suits in space?

- A) To look good
- B) To stay warm
- C) To breathe and protect their bodies
- D) To fly faster

27. A boy jumps from a boat to the shore. What happens to the boat?

- A) Moves forward
- B) Moves backward
- C) Stays still
- D) Sinks

28. Why do we see lightning before we hear thunder?

- A) Because light travels faster than sound
- B) Because sound is louder than light
- C) Because thunder is made later
- D) Because our eyes are faster than ears

29. If a plant is placed in a dark room for many days, what will happen?

- A) It will grow taller
- B) It will turn yellow and weak
- C) It will grow more leaves
- D) Nothing will happen

30. Why does a black car feel hotter than a white car in the sun?

- A) Black absorbs more heat
 - B) White reflects heat
 - C) White cars are cooler
 - D) Both A and B
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Answer Key:

- 1 - B
- 2 - B
- 3 - C
- 4 - B
- 5 - D
- 6 - C
- 7 - B
- 8 - B
- 9 - B
- 10 - C
- 11 - C
- 12 - C
- 13 - C
- 14 - B
- 15 - B
- 16 - B
- 17 - B
- 18 - A
- 19 - B
- 20 - B
- 21 - D
- 22 - B
- 23 - B
- 24 - C
- 25 - B
- 26 - C
- 27 - B
- 28 - A
- 29 - B
- 30 - D