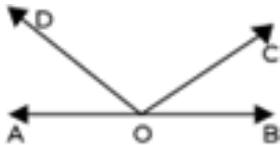


LOGICAL REASONING

1. How many different angles can we count in the figure ?



- (a) 9 (b) 6 (c) 7 (d) 5

2. What is the next shape ?



- (a)  (b) 
- (c)  (d) 

3. Which of the following pairs of letters follow the same alphabetical gap pattern as A → C?

- a) D → E b) M → O c) W → Z d) H → K

4. Find the next figure.



- a)  b) 
- c)  d) 

5. Which of the following makes a number pattern ?

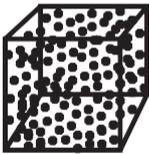
- a) 5,9,13,17,21,25,29
b) 4,9,14,18
c) 5,9,13,17,20
d) 1,7,13,20,26,32

SCIENCE

6. Which of the following statements about solids is correct?

- a) Solids have no fixed shape
- b) Solids can be compressed easily
- c) Solids have a fixed shape and volume
- d) Solids do not occupy space

7. Observe the diagram and choose the correct state of matter shown:



- a) Gas
- b) Liquid
- c) Solid
- d) Plasma

8. How many of the following are gases at room temperature?

- 1. Oxygen
- 2. Water
- 3. Carbon dioxide
- 4. Ice

- a) 1
- b) 2
- c) 3
- d) 4

9. True or False:

"Solids can change shape to fit into any container."

Reason: Solids have tightly packed particles.

- a) True, because the particles are fixed
- b) False, because solids flow easily
- c) False, because solids don't change shape
- d) True, because solids are soft

10. "I'm invisible, I fill the air,
You breathe me in, I'm everywhere.
I have no shape, I love to spread —
Guess my state, go ahead!"

- a) Solid
- b) Liquid
- c) Gas
- d) None

11. Why do desert plants like cactus have spines instead of broad leaves?

- a) To look different from other plants
- b) To catch more sunlight
- c) To protect from animals and reduce water loss
- d) To grow faster

12. Match the following:

A

B

1. Lungs a. Removes waste
2. Kidney b. Helps in breathing
3. Brain c. Controls body activities

- a) 1-b, 2-a, 3-c
b) 1-a, 2-b, 3-c
c) 1-c, 2-b, 3-a
d) 1-b, 2-c, 3-a

13. How many of the following help in digestion?

1. Stomach
2. Heart
3. Liver
4. Small intestine

- a) 1 b) 2 c) 3 d) 4

14. True or False:

"Exercise strengthens muscles."

Reason: Regular movement and use of muscles help build strength.

- a) True, because muscles grow with use
b) False, because muscles need only rest
c) True, because muscles never need food
d) False, because bones grow, not muscles

15. Which part of the plant helps it to stand upright and also transports water?

- a) Leaf
b) Root
c) Stem
d) Flower

16. Which of the following helps birds to fly?

- a) Strong legs b) Hollow bones
c) Heavy body d) Sharp claws

17. Identify the type of beak shown in the diagram:



- a) Seed-crushing b) Flesh-tearing
c) Nectar-sipping d) Mud-filtering

18. Match the following:

A

B

1. Duck a. Perching feet

2. Eagle b. Clawed feet

3. Crow c. Webbed feet

a) 1-c, 2-b, 3-a

b) 1-a, 2-c, 3-b

c) 1-b, 2-a, 3-c

d) 1-c, 2-a, 3-b

19. Which of the following statements is incorrect?

a) Birds have hollow bones

b) Birds lay eggs

c) All birds can fly

d) Birds have wings

20. Based on the image of a penguin, what adaptation is not seen?

a) Webbed feet

b) Strong wings for swimming

c) Feathers that trap air

d) Wings used for flying

21. A bird's hollow bones help in flight, just like which feature in States of Matter makes gases lighter ?

a) Closely packed particles

b) Free-moving particles

c) Heavy molecules

d) Solidified atoms

22. Identify the leaf type in the diagram:



a) Parallel venation

c) Circular venation

b) Reticulate venation

d) Zigzag venation

23. Which is incorrect?

a) Animals need sunlight to make food

b) Plants prepare their own food

c) Animals depend on plants

d) Humans eat plants and animals

32. Identify the type of force shown in the diagram:



- a) Push b) Pull c) Magnetic force d) Friction

33. Match the following:

A

B

1. Solar energy a. Moving water

2. Wind energy b. Sunlight

3. Hydro energy c. Blowing air

a) 1–b, 2–c, 3–a

b) 1–a, 2–b, 3–c

c) 1–c, 2–a, 3–b

d) 1–b, 2–a, 3–c

34. Which is incorrect?

- a) Push can start motion
b) Wind is a source of energy
c) Machines work without energy
d) Friction slows down motion

35. What type of energy is being used in the diagram?



- a) Electrical energy b) Wind energy
c) Solar energy d) Magnetic energy

36. Force is needed to move things. Which system in Human Body helps in movement?

- a) Nervous system b) Skeletal & muscular system
c) Digestive system d) Circulatory system

37. Identify the natural resource shown:



- a) Forest b) Coal c) Water d) Soil

38. How many of these are natural resources?

1. Plastic
2. Air
3. Wood
4. Gold

- a) 1 b) 2 c) 3 d) 4

39. Look at the diagram. What natural resource is being conserved?



- a) Air b) Oil c) Water d) Minerals

40. True or False:

“Burning fossil fuels can pollute air.”

Reason: Fossil fuels release smoke and gases.

- a) True, they cause pollution
- b) False, they clean air
- c) True, because they give water
- d) False, they help plants

41. Natural resources give us materials. Which States of Matter do you get from air and water?

- a) Solid and gas b) Liquid and gas
c) Only gas d) Solid and liquid

42. Identify what is shown in the diagram:



- a) Clean water source b) Water pollution
c) Groundwater d) Glacier melt

43. How many of the following are environment-friendly actions?

1. Recycling
2. Burning plastic
3. Using cloth bags
4. Planting trees

- a) 1 b) 2 c) 3 d) 4

44. Which of the following is incorrect?

- a) Environment includes living and non-living things
- b) Deforestation increases pollution
- c) Pollution is good for crops
- d) Conserving water helps nature

45. What environmental process is being shown?

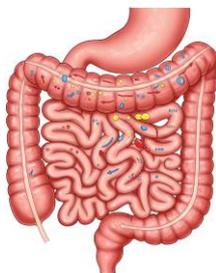


- a) Global warming
- b) Water cycle
- c) Melting glaciers
- d) Soil erosion

46. Clean air is important for Respiration. Which gas is most used by humans to stay alive?

- a) Nitrogen
- b) Carbon dioxide
- c) Oxygen
- d) Hydrogen

47. Look at the diagram. Which part of digestion is shown?



- a) Chewing
- b) Absorption
- c) Ingestion
- d) Excretion

48. Match the following:

A

B

1. Carbohydrates a. Energy
2. Proteins b. Body building
3. Vitamins c. Body protection

- a) 1-a, 2-b, 3-c
b) 1-b, 2-a, 3-c
c) 1-c, 2-a, 3-b
d) 1-a, 2-c, 3-b

49. How many of the following are digestive organs?

1. Stomach
2. Heart
3. Liver
4. Small Intestine

- a) 1 b) 2 c) 3 d) 4

50. True or False:

“The tongue helps in digestion by mixing food with saliva.”

Reason: Saliva contains enzymes to break down starch.

- a) True
b) False
c) True only in older children
d) False for all

Answer Key

1. b	2. b	3. b	4. c	5. a	6. c	7. c	8. b	9. c	10. c
11. c	12. a	13. c	14. a	15. c	16. b	17. b	18. a	19. c	20. d
21. b	22. b	23. a	24. c	25. a	26. c	27. c	28. b	29. a	30. a
31. a	32. b	33. a	34. c	35. c	36. b	37. c	38. c	39. c	40. a
41. b	42. b	43. c	44. c	45. b	46. c	47. b	48. a	49. c	50. a