



# BK BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS  
SENIOR SECONDARY| CO-ED DAY CUM BOYS' RESIDENTIAL  
SCHOOL

MID-TERM EXAMINATION 2023-24

## SCIENCE



Class : VI  
Date : 21.10.23  
Admission No.:

Duration : 3 Hrs  
Max. Marks : 80  
Roll No.:

Choose the correct answer.

16x1=16 marks

1. Night blindness is caused due to deficiency of vitamin \_\_\_\_\_ 1  
(a) A (b) B1 (c) C (d) D
2. Beriberi is caused due to deficiency of vitamin \_\_\_\_\_ 1  
(a) A (b) B1 (c) C (d) D
3. Scurvy is caused due to deficiency of vitamin \_\_\_\_\_ 1  
(a) A (b) B1 (c) C (d) D
4. Rickets is caused due to deficiency of vitamin \_\_\_\_\_ 1  
(a) A (b) B1 (c) C (d) D
5. Anaemia is caused due to deficiency of \_\_\_\_\_ 1  
(a) Iron (b) B1 (c) C (d) D
6. \_\_\_\_\_ is a herbivore. 1  
(a) cow (b) lion (c) tiger (d) none of these
7. \_\_\_\_\_ is a carnivore. 1  
(a) cow (b) goat (c) tiger (d) none of these
8. \_\_\_\_\_ is a omnivore. 1  
(a) Human being (b) goat (c) tiger (d) none of these
9. \_\_\_\_\_ is the stem of the plant. 1  
(a) Potato (b) carrot (c) radish (d) none of these
10. \_\_\_\_\_ is the fruit of the plant. 1  
(a) tomato (b) carrot (c) radish (d) none of these
11. In solar eclipse Sun \_\_\_\_\_ and Earth are in straight line. 1  
(a) Sun (b) Moon (c) Star (d) None of these
12. \_\_\_\_\_ have green stem. 1  
(a) tree (b) herb (c) shrub (d) none of these

13. \_\_\_\_\_ have woody stem. 1  
 (a) tree (b) herb (c) shrub (d) none of these
14. Flowering plants are the plants that bear \_\_\_\_\_. 1  
 (a) Flowers (b) cone (c) rhizome (d) none of these
15. \_\_\_\_\_ is a non-flowering plant. 1  
 (a) Fern (b) rose (c) sunflower (d) none of these
16. Burning of a paper is a \_\_\_\_\_ change. 1  
 (a) Physical (b) chemical (c) mechanical (d) all of these

## II Assertion / Reasoning

**4x1=4 marks**

**Directions:** In the following questions, a statement of assertion is followed by a statement of reason. Mark the correct choice as:

- (a) If both Assertion and Reason are true and Reason is the correct explanation of Assertion.  
 (b) If both Assertion and Reason are true but Reason is not the correct explanation of Assertion.  
 (c) If Assertion is true but Reason is false.  
 (d) If both Assertion and Reason are false.

- 17. Assertion:** Melting of ice is a physical change. 1

**Reasoning:** Ice melts when temperature increases.

- 18. Assertion:** Rusting of iron is a chemical change. 1

**Reasoning:** When iron reacts with oxygen in the air it gets oxidised and forms iron oxide.

- 19. Assertion:** Cooking of rice is a chemical change . 1

**Reasoning:** Once rice is cooked, taste changes and we cannot get our raw rice back..

- 20. Assertion:** Boiling of potato is a chemical change. 1

**Reasoning:** Once potato is boiled it is tasty and we cannot get the raw potato back.

## III Answer the following.

**6x2=12marks**

21. What is rectilinear propagation of light? 2

OR

What are transparent objects?

22. What are herbivores? 2

- |                                     |   |
|-------------------------------------|---|
| 23. Mention functions of root.      | 2 |
| 24. Mention functions of leaf.      | 2 |
| 25. Mention fat soluble vitamins.   | 2 |
| 26. Mention water soluble vitamins. | 2 |

**IV Answer the following.**

**7x3=21marks**

- |   |   |
|---|---|
| 27. Identify the changes mentioned below are reversible or irreversible.        | 3 |
| a. Melting of chocolate   |   |
| b. Cooking food.  |   |
| c. Freezing of ice.   |   |
| 28. What are herbs? Explain.  | 3 |
| 29. Differentiate between tap root and fibrous root with the help of a diagram. | 3 |
| 30. Explain solar eclipse with the help of a diagram.                           | 3 |
| 31. Explain umbra and penumbra with the help of a diagram.                      | 3 |

OR

What are opaque objects? Explain with the help of a diagram.

- |   |   |
|---|---|
| 32. What are trees? Explain.  | 3 |
| 33. Are roots of some plants edible? If yes then give any three examples. | 3 |

**V Answer the following in brief.**

**3X4=12marks**

34. Read the passage and answer the following questions.

Food is important for living beings. Plants make food with the help of sunlight, carbon dioxide and water. Animals that eat plants and are known as herbivores. Animals that eat flesh are known as carnivores. Animals that eat both are known as omnivores. Living organism depend on one another for food. A food chain tells us who eats whom. Scavengers such as vulture and fox are also part of food chain.

- |  |          |
|--|----------|
| <b>(a) What is food chain?</b>                 | <b>2</b> |
| <b>(b) Explain with the help of a diagram.</b> | <b>2</b> |

35. Read the passage and answer the following questions.

Many a times you must have seen a dark patch of your own body on ground in sunlight. This is called shadow. You must have also observed that in dark night or in dark area we are not able to find shadow. This means that shadow is formed in light. Also you must have noticed that shadow is formed when an opaque body blocks the path of light.

**(a) How is shadow formed? 2**

**(b) Mention three essential things required to make shadow with the help of a diagram. 2**

36. Read the passage and answer the following questions.

**Parts of a flower**

Sepals are the outermost layer of a flower. They protect the lower in the bud stage.

They are green in colour.

Petals are colourful part of the flower. They attract insects.

Stamen is the male part of the flower and pistil is the female part of the flower.

Pistil is divided into three parts- stigma, style and ovary..

**(a) Explain parts of a flower with the help of a diagram. 2**

**OR**

**Explain pistil with the help of a diagram.**

**(b) Name the part of the flower which is colourful and attract insects. 1**

**(c) Pistil is divided into how many parts? 1**

**VI Answer the following in detail.**

**3x5=15marks**

37. Explain with the help of an experiment that various food items are rich in starch. 5

**OR**

**Explain symptoms of Covid 19 and precautions taken.**

38. Explain with the help of an experiment that light travels in a straight line. 5

**OR**

**Explain the characteristics of an image formed by a plane mirror.**

39. What is chemical change? Explain with the help of an example. 5

**OR**

**What kind of change is burning of paper? Explain.**

