



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 : V
Date : 16/10/2023
Admission No.:

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

I Choose the correct option.

16x1=16 marks

1. Vitamin good for eyes: 1
(a) Vitamin A (b) Vitamin B (c) Vitamin C
2. Vitamin good for growth. 1
(a) Vitamin A (b) Vitamin B (c) Vitamin C
3. Vitamin needed to fight with diseases. 1
(a) Vitamin A (b) Vitamin B (c) Vitamin C
4. Vitamins needed for healthy bones. 1
(a) Vitamin D (b) Vitamin E (c) Vitamin F
5. Vitamin needed for good skin. 1
(a) Vitamin D (b) Vitamin E (c) Vitamin F
6. The layer of atmosphere in which we live in: 1
(a) Troposphere (b) Stratosphere (c) Mesosphere
7. The layer of atmosphere in which jet plane fly . 1
(a) Troposphere (b) Stratosphere (c) Mesosphere
8. The layer of atmosphere in which meteors burn up: 1
(a) Troposphere (b) Stratosphere (c) Mesosphere
9. The layer of atmosphere in which space shuttle orbits: 1
(a) Thermosphere. (b) Exosphere. (c) none of these.
10. The layer of atmosphere in which air is very thin: 1
(a) Thermosphere. (b) Exosphere. (c) none of these.
11. A baby has _____ bones. 1
(a) 300 (b) 206 (c) none of these
12. An adult has _____ bones. 1
(a) 300 (b) 206 (c) none of these

13. Rib cage has _____ true ribs. 1
(a) 7 (b) 15 (c) 20
14. Rib cage has _____ false ribs. 1
(a) 3 (b) 15 (c) 20
15. Rib cage has _____ floating ribs. 1
(a) 2 (b) 15 (c) 20
16. _____ horizon is made up of only rocks. 1
(a) Horizon R (b) Horizon B (c) Horizon C

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:** We have five sense organs; these help us for proper functioning. 1

Reasoning: Each of the five sense organ has specific function.

- 18. Assertion:** Brain is divided into three parts- Cerebrum, Cerebellum and Medulla 1

Reasoning: Each part of brain has a specific function.

- 19. Assertion:** Cerebrum is the upper part of the brain. 1

Reasoning: It controls our thinking and learning ability.

- 20. Assertion:** Medulla is stem shaped. 1

Reasoning: Medulla controls our breathing .

III Answer the following Questions.

6x12=12marks

21. Explain parts of the brain with the help of a diagram and label: Cerebrum, Cerebellum and Medulla. 2

OR

Explain functions of the brain

- | | |
|---|---|
| 22. What is a joint? | 2 |
| 23. Mention fat soluble vitamins. | 2 |
| 24. Mention water soluble vitamins. | 2 |
| 25. Draw neuron. | 2 |
| 26. Explain smooth and cardiac muscle with the help of a diagram. | 2 |

IV Answer the following.

7x3=21marks

- | | |
|--|---|
| 27. How can we keep the soil from washing or blowing away? | 3 |
| 28. Mention properties of water. | 3 |
| 29. Explain germination of seed with the help of a diagram. | 3 |
| 30. Explain cerebrum. | 3 |
| 31. Prove with the help of an experiment that air is needed for burning. | 3 |
| 32. Mention uses of air. | 3 |
| 33. What do you mean by sedimentation? Explain. | 3 |

V Answer the following questions.

3x4=12marks

34. Read the passage and answer questions.

Soil is important for all of us. Plants grow in soil. Many worms live in soil.

Soil has many pores. Some pores are big. Some are small. Some are very small. Big pores hold more water. Small pores hold little water. Very small pores hold very little water.

Earthworms dig into the soil and make it porous. Earthworm is also known as farmers friend

- | | |
|--|----------|
| (a) How does water stay in soil? | 2 |
| (b) Name the worm which is known as farmer's friend and make the soil porous. | 2 |

35. Read the passage and answer questions

The thick layer of air that surrounds the earth is called atmosphere. Earth holds the atmosphere.

Atmosphere has many layers- Troposphere, Stratosphere, Mesosphere, Thermosphere and Exosphere.

Troposphere – It is the lowermost layer of the atmosphere.

Stratosphere- This is the second layer of atmosphere. It has ozone layer.

Mesosphere- Meteors burn up in this layer.

Thermosphere- Space shuttle orbits in this layer.

Exosphere- Air is very thin in this layer.

(a) Explain layers of atmosphere with the help of a diagram. 2

(b) How many layers are there in atmosphere. 2

36. Read the passage and answer questions

Seed need sunlight, air and water to grow into plants. To grow well seed should be far away from each other.

The movement of seed from parent plant is called seed dispersal. Seed are dispersed in different ways. They are carried away by wind, water or animals. These are called agents of seed dispersal.

(a) What is seed dispersal? Explain with the help of a diagram. 2

(b) Mention agents of seed dispersal. 2

VI Answer the following in detail.

3x5=15marks

37. Explain horizons of soil with the help of a diagram. 5

38. Explain the cage like structure that protect heart and lungs. 5

39. What do you mean by vegetative propagation? Explain. 5

*****ALL THE BEST*****

