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Class 6 Basic Science First Term Examination 2025
Model question paper

Time: 2 Hours

Maximum Marks: 30

Instructions

- Read the questions carefully before answering.
- Write the answers in the space provided in the answer sheet.
- Each activity carries 5 marks.
- Attempt any 6 out of the 8 activities.

Activity - 1: Nutrients and Balanced Diet

A) Which statements about nutrients are correct? [3]

- (a) Carbohydrates are the main source of energy for the body.
- (b) Proteins are essential for muscle growth and repair.
- (c) Fibres provide energy to the body.
- (d) Water is a nutrient required for digestion.

- A) 1 and 2 are correct
- B) 1 and 3 are correct
- C) 2 and 4 are correct
- D) 1, 2, and 3 are correct
- E) 1, 2, and 4 are correct

B) Why should we include a variety of food items in our diet? [2]

Activity - 2: Deficiency Diseases

A) Which deficiency disease is caused by a lack of Vitamin A? [2]

- A) Goitre
- B) Night blindness
- C) Rickets
- D) Scurvy

B) List two food items rich in calcium to prevent osteoporosis. [3]

Activity - 3: Testing for Nutrients

- A) Describe the iodine test to detect starch in food items. [3]
- B) What observation indicates the presence of fat when rubbed on paper? [2]

Activity - 4: Magnets and Their Properties

- A) Which statements about magnets are correct? [3]
- (a) A magnet has two poles: North and South.
 - (b) Like poles of magnets attract each other.
 - (c) Magnetic force is strongest at the poles.
 - (d) Wood is a magnetic substance.
- A) 1 and 2 are correct
 - B) 1 and 3 are correct
 - C) 2 and 4 are correct
 - D) 1, 3, and 4 are correct
 - E) 1, 2, and 3 are correct
- B) What happens when a magnet is broken into two pieces? [2]

Activity - 5: Magnetic Applications

- A) How can you make an electromagnet using a nail and copper wire? [3]
- B) Suggest a method to separate iron filings from sand using a magnet. [2]

Activity - 6: Skeletal System Functions

- A) Which is not a function of the skeleton? [2]
- A) Provides shape and support
 - B) Protects internal organs
 - C) Produces energy
 - D) Enables movement
- B) Explain how the skull protects the brain. [3]

Activity - 7: Joints and Movement

- A) Complete the table with the correct joint type and its location. [3]

Joint Type	Location in Body
Hinge Joint	
Ball and Socket Joint	
Pivot Joint	

B) Why are joints important for movement? [2]

Activity - 8: Practical Applications

A) Complete the table with the vaccine and the disease it prevents. [3]

Name of Vaccine	Disease
B.C.G	
Polio Vaccine	
M.R Vaccine	

B) Why should a fractured bone be immobilized before hospital treatment? [2]

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