

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: Food and Nutrients

A) Match the nutrient with its function. [3]

Nutrient	Function
A. Carbohydrate	1. Helps in bone formation
B. Protein	2. Main source of energy
C. Calcium	3. Growth and repair of tissues

B) Why do we feel hungry after physical activity? [2]

Activity - 2: Preventing Deficiency Diseases

A) Which vitamin deficiency causes scurvy, and what fruit can prevent it? [2]

B) Explain how including iodine-rich foods in the diet prevents goitre. [3]

Activity - 3: Food Testing

A) Describe a simple test to identify proteins in a food sample. [3]

B) What is the importance of testing food for nutrients? [2]

Activity - 4: Magnetic Materials

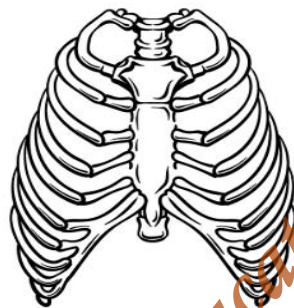
- A) Classify the following as magnetic or non-magnetic: iron nail, plastic spoon, steel spoon, wooden stick. [3]
- B) Why does a magnet not attract a copper coin? [2]

Activity - 5: Magnetic Forces

- A) True or False: Explain your answer. [3]
"A magnet can attract an object without touching it."
- B) How does the shape of a magnet affect its use in a device like a compass? [2]

Activity - 6: Bones and Their Functions

- A) Identify the bone in the diagram below and state its function. [3]



- B) Why do babies have more bones than adults? [2]

Activity - 7: Joints and Mobility

- A) Which type of joint allows the arm to bend at the elbow? Describe its movement. [3]
- B) Why do some animals, like snakes, move without joints in their limbs? [2]

Activity - 8: Health and Safety

- A) Design a healthy meal plan for a day that includes all essential nutrients. [3]
- B) Why is it important to wash fruits before eating them? [2]