Unit V

9. Differentiate between living and non-living things. Explain the classification of the living world. **8**

10. Explain the following life processes : **8**

(a) Respiration

(b) Digestion

(c) Photosynthesis

(d) Reproduction and transportation in plants and animals.

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B.EL.Ed. (First Year)

EXAMINATION, 2026

(Regular & Re-appear)

CORE NATURAL SCIENCE

Time : 1½ *Hours*] [*Maximum Marks :* 40

Before answering the question-paper, candidates must ensure that they have been supplied with correct and complete question-paper. No complaint, in this regard will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. All questions carry equal marks.

Unit I

1. Define the following terms with suitable examples : **8**

(a) Classification

(b) Property

(c) Concept

(d) Relation.

2. Explain the meaning of scientific laws. Differentiate between concept, relation and law with examples. **8**

Unit II

3. Explain the measurement of length, mass and time. Describe the SI units used for each quantity. **8**

4. Define work and energy. Explain the concepts of weight, gravitation and falling of bodies with suitable examples. **8**

Unit III

5. What are heat and temperature ? Explain different states of matter and their properties. **8**

6. Explain the properties of magnets and electricity. Also discuss refraction and dispersion of light. **8**

Unit IV

7. Differentiate between physical and chemical changes with examples. Explain various methods of separation of mixtures. **8**

8. Write short notes on the following : **8**

(a) Atoms and molecules

(b) Metals and non-metals

(c) Acids, bases and salts

(d) Hard and soft water.