TED (15) – 1252	Reg. No	
(REVISION — 2015)	Signature	

FIRST SEMESTER DIPLOMA EXAMINATION IN CABM — MARCH, 2016

FOUNDATION IN SCIENCE AND TECHNOLOGY

[Time: 3 hours

(Maximum marks: 100)

PART-A

(Maximum marks: 10)

Marks

- I Answer the following questions in one or two sentences. Each question carries 2 marks.
 - 1. State the term hypothesis in scientific method.
 - 2. Define the term individual in an ecosystem. Give one example.
 - 3. List the seven fundamental physical quantities.
 - 4. Define radio activity.
 - 5. Define the term greenhouse effect.

 $(5 \times 2 = 10)$

PART-B

(Maximum marks: 30)

- II Answer any five questions from the following. Each question carries 6 marks.
 - 1. Explain law of conservation of momentum.
 - 2. Which type of neuclear energy related to atom bomb and H-bomb? Explain.
 - 3. Explain food chain and food web.
 - 4. Explain acid rain and formation of acid rain.
 - 5. Explain photosynthesis.
 - 6. Differentiate between inductive logic and deductive logic.
 - 7. An object has an initial velocity 10m/s and moving with an acceleration of m/s². Find its velocity after 5 seconds. $(5\times6=30)$

OR

X Explain five applications of Radioactivity.

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