

SECTION – II

- Q-4** **Attempt the Following questions** **(07)**
- a. Give the classification of polymers based on structure.
 - b. State the major reasons for magnetic losses.
 - c. Write the different types of Copolymers
 - d. Name at least two different types of Spinels.
 - e. List the main difference between Natural and Synthetic Polymer
 - f. What are Condensation Polymers?
 - g. What do you mean by Magnetoresistance?
- Q-5** **Attempt all questions** **(14)**
- a Explain in detail applications of ceramic magnets. **07**
 - b Explain how Addition polymers are synthesized? **07**
- OR**
- Q-5** a Discuss in detail shape memory alloys and its applications **07**
- b Enumerate on Paramagnetism in material science. **07**
- Q-6** **Attempt all questions** **(14)**
- a Describe in detail Magneto Resistance in detail **07**
 - b Give an account on Nanostructured Materials **07**
- OR**
- Q-6** **Attempt all Questions**
- a Discuss in detail Garnets and Hexagonal Ferrites **07**
 - b Explain the significance of Flip-Chip Technology in device fabrication **07**

