

Note: Time allowed for section B and C is two hours & 40 minutes.

**SECTION "B"**

Marks: 36

II. Attempt any Nine Parts out of the following. Each Part carries equal marks.

- i. What is meant by circuit, closed circuit and open circuit?
- ii. Define static charge. Why are they called static?
- iii. How Iron get rusted?
- iv. What do you mean by fermentation process?
- v. List down four major functions of nucleus?
- vi. Briefly write about the Significance of Mitosis?
- vii. What do you mean by underground water?
- viii. Define the term 'desertification'?
- ix. What do you mean by potable water?
- x. Define Climate?
- xi. Differentiate between EEG and ECG?
- xii. Why MRI is safer than CT scan?

**SECTION "C"**

Marks: 24

Note: Attempt any Three questions of the following. Each question carries equal Marks.

- III. What safety measures should be adopted to avoid hazards of electricity?
- IV. How soap is prepared from oil and sodium hydroxide?
- V. Explain Thalassemia and Down "Syndrome as common genetic disorders?
- VI. Describe the harmful effects of the excessive use of Television on individual's health?