

**General Science**

**Note:** Time allowed for Section-B and Section-C is 2 Hours and 40 minutes.

**SECTION-B**

**Q2: Attempt any NINE parts. Each part carries FOUR marks.**

- 1) Differentiate between physical sciences and life sciences.
- 2) Write the contributions of Jabir-bin-Hayyan in the field of science.
- 3) Compare copper with lead. Which element is better to be used in plumbing?
- 4) Recycling is the need of the day. Elaborate the statement.
- 5) Write the harmful impacts of pesticides and fertilizers.
- 6) Complete the table;

Name of the Disease	Cause of the Disease
Tuberculosis (T.B)	
Polio	
Ringworm	
Malaria	

- 7) Enlist some of the health hazards associated with smoking.
- 8) Describe the role of red blood cells.
- 9) What is the significance of carrying capacity of an area?
- 10) What do you mean by sustainable development?
- 11) Write the disadvantages of using petroleum.
- 12) What do you mean by conservation of energy? Give two examples of ways to conserve energy at home.

**SECTION-C Marks: 24**

**Note:** Attempt any THREE questions. All questions carry equal marks.

- Q3: (a) What are chemical changes? Discuss two examples of chemical changes from daily life.  
(b) Write some important contributions of Greeks in the field of science.
- Q4: (a) Define malnutrition. Differentiate between under nutrition and over nutrition.  
(b) How does overpopulation have its impact on the agriculture and forests?
- Q5: (a) Differentiate between conventional energy sources and non-conventional energy sources.  
(b) Write causes and symptoms of the given diseases:  
(i) Ascariasis (ii) Typhoid
- Q6: (a) Discuss the importance of plastic and glass in daily life.  
(b) Write short note on the given; (i) CT Scan (ii) MRI