

## Section A

### Q1. Multiple Choice Questions (5 marks)

1. The simplest organic compound is:  
a) Methane b) Ethane c) Propane d) Butane
2. The functional group present in alcohols is:  
a)  $\text{-COOH}$  b)  $\text{-CHO}$  c)  $\text{-OH}$  d)  $\text{-NH}_2$
3. The first artificial satellite launched by India is:  
a) Aryabhata b) Chandrayaan-1 c) Mangalyaan d) INSAT-1A
4. The full form of ISRO is:  
a) Indian Space Research Organisation  
b) International Space Research Organization  
c) Indian Scientific Research Organization  
d) International Scientific Research Organization
5. The study of celestial objects is called:  
a) Astronomy b) Astrology c) Cosmology d) Astrophysics

## Section B

### Q2. Short Answer Questions (10 marks)

1. What are hydrocarbons? Give examples of saturated and unsaturated hydrocarbons. (2 marks)
2. Explain the process of soap formation. (2 marks)
3. What are the advantages of using solar energy? (2 marks)
4. Describe the contributions of Indian scientists in the field of space research. (2 marks)
5. What are the different types of artificial satellites? Give examples of each. (2 marks)

## Section C

### Q3. Long Answer Questions (10 marks)

1. (5 marks) Explain the different types of carbon compounds with examples.
2. (5 marks) Discuss the Indian Space Programme and its achievements.