

**B.Sc. SEM – III**  
**MARINE SCIENCE (EG)**

**UNIT - 1**

**Scope of marine science:**

- 1) Introduction to marine science and career.
- 2) Evolution and biological classification
- 3) Prokaryotes, eukaryotes-fungi, Protista, plant, animalia-five kingdoms

**UNIT - 2**

**Geology of the ocean:**

- 1) Zonations of ocean
- 2) List of Indian oceans-Andaman sea, Arabian Sea, bay of Bengal, gulf of Eden, gulf of Oman, Mozambique channel, Persian gulf, Red sea, Timor sea.

**UNIT - 3**

**Types of seashores and their fauna:**

- 1) Sandy shore 2) Rocky shore 3) Estuaries

**UNIT - 4**

**Marine organisms:**

- 1) Microorganisms: - phytoplanktons, zooplanktons, red algae, brown algae, green algae, multicellular algae. Economic importance of algae.
- 2) Macro organisms: - Invertebrates-commercial importance of marine sponges, Mollusca, arthropods (crab and prawns).  
Vertebrate: economic importance of Scoliodon (sharks) and marine mammals.

