

[Time: 2½ Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:**
1. All questions are **compulsory**.
 2. **Figures** to the **right** indicate **full marks**.
 3. **Draw neat and labeled diagram wherever necessary.**

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|-----|-------------------------------------------------------------|----|
| Q.1 | Give an account of Antarctic Expedition. | 12 |
| | OR | |
| Q.1 | Write notes on:- | |
| | a) Reversing thermometer | 06 |
| | b) Remote sensing and satellite imaging | 06 |
| Q.2 | Describe Oceanic currents. | 12 |
| | OR | |
| Q.2 | Write notes on:- | |
| | a) Tides as a source of power | 06 |
| | b) Wind induced circulation | 06 |
| Q.3 | Give an account of Radioactive and Thermal waste. | 12 |
| | OR | |
| Q.3 | Write notes on:- | |
| | a) Impact of fertilizers on pollutant | 06 |
| | b) Pollution by Ocean dumping | 06 |
| Q.4 | Discuss in detail Deep sea mud oozes and manganese nodules. | 12 |
| | OR | |
| Q.4 | Write note on:- | |
| | a) Oil gas and Sulphur deposits | 06 |
| | b) Economic aspects of sea mining | 06 |
| Q.5 | Write short notes on any four of the following:- | |
| | a) Underwater Photography | 03 |
| | b) Plankton net | 03 |
| | c) Transitional waves | 03 |
| | d) Equilibrium theory of tides | 03 |
| | e) Reclamation | 03 |
| | f) Domestic sewage | 03 |
| | g) Continental margin | 03 |
| | h) Scientific aspects of seabed exploration | 03 |