

PART A (5 X 2 = 10 Marks)

Answer ALL Questions

1. Draw wave characteristics.
2. List any two problems in OTEC plant.
3. Define Geophysics.
4. Name any four potential sites of geothermal resources in India.
5. Give two locations in India with maximum tidal range.

PART B (4 X 4 = 16 Marks)

6. What are the site requirements to construct a tidal power plant?.
7. With neat sketch explain oscillating water column.
8. Write short notes on magma resources.
9. What are the merit and demerits of geothermal energy?

PART C (2x12= 24 Marks)

10. (a) With the neat sketch explain the closed cycle OTEC system.

[OR]

10 (b) Describe the construction and working of any one types of wave energy conversion machine?.

- 11(a) What are the environment problems caused by geothermal energy.

[OR]

11(b) With neat sketches explain the single flash type liquid dominated geothermal power plant.