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Register Number:

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, May 2015

(COASTAL AQUACULTURE)

(FIRST YEAR)

110: FUNDAMENTALS OF MARINE BIOLOGY AND OCEANOGRAPHY

Time: Three hours

Maximum: 100 marks

SECTION - A

Answer ALL questions

(5 × 20 = 100)

1. a) Discuss in detail about the bottom topography of the ocean.
(OR)
b) Write an account on origin of ocean, origin of water and ocean salts.
2. a) Write elaborate account on global warming and sea level rise.
(OR)
b) Discuss about the density, conductivity, surface tension, viscosity of seawater and its interrelationship.
3. a) Write in detail about the dissolved and particulate organic matter and their ecological significance.
(OR)
b) Describe the concept of chlorinity and salinity of water and its estimation.
4. a) Give an account on types of tides, tide generating forces and its properties.
(OR)
b) Write an essay on ocean currents and its importance.
5. a) Discuss about the phytoplankton and zooplankton interrelationship.
(OR)
b) Write elaborate note on primary production, estimation and factors influencing the primary production.

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