

15 OCT 2019

M.Sc. Marine Biology

Semester – I Examination October -2019

Paper-01:Ecology

Subject code: 21679

Time: 2.30hrs

Total marks:70

Instructions: 1. Answer all the questions.

2. Figures on right shows the marks of the questions.

3. Draw neat diagram wherever it is required.

Q1A Write a descriptive note on coral reef distribution in India. 14

OR

- a. Write a note on the Indian Ocean with its geography.
- b. Describe the zonation of sea on the basis of tide.

Q1B Answer any four from the following; 04

- i. Which is the biggest coral reef of the world?
- ii. Name any four physical characters of sea?
- iii. What is hadal zone of a sea?
- iv. Define the term zooplankton.
- v. Name any four examples of marine benthos.
- vi. What is zooxanthella?

Q2A Write an essay on coral bleaching. 14

OR

- a. Write a note on various types of food chain?
- b. Write short note on parasitism.

Q2B Answer any four from the following; 04

- i. What is basic difference between food chain and food web?
- ii. What is ecological pyramid?
- iii. Define: Chemoautotrophy.
- iv. Who gave Y-shaped model for food chain?
- v. What is nematocyst of coral?
- vi. Name the categories of coral by their growth forms.

Q3A Write a descriptive note on general process of ecological succession. 14

OR

- a. Write a note on concept of community.
- b. Describe in brief functional aspects of ecosystem.

Q3B Answer any three from the following; 03

- i. Define the term ecology.
- ii. Define the term aggregation in ecosystem.
- iii. What is r – select in population ecology?
- iv. What is meaning of demography in ecosystem?
- v. Write the name of different type of dispersion in population ecology.

Q4A Write an essay on coastal wetlands of Gujarat. 14

OR

- a. Write the socio ecological values of a wetland
- b. Write a note on economic values of a wetland.

Q4B Answer any three from the following; 03

- i. What is Ramsar convention?
- ii. Define hydric soil.
- iii. Write any negative value of wetland.
- iv. Name the largest lagoon of India.
- v. Name the lagoon of Saurashtra region.
