

M.Sc. Marine Sciences Semester – I Examination

November 2015

Paper no: 1

Subject Code: 2798

(Ecology)

Time: 2.30 hrs

Max. Marks 70

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| Q1 | Write Elaborately on the concept of Community | 14 |
| or | | |
| Q1a | Explain in detail the basics of Marine Ecology | 14 |
| Q1b | Write a note on homoeostasis and stability | |
| Q2 | Sea as a biological Environment- Comment | 14 |
| or | | |
| Q2a | Write a note on Indian Ocean and its geographical Characteristics. | 14 |
| Q2b | Describe Zonation caused by tides | |
| Q3 | Describe with the help of a diagram the energy flow in ecosystem | 14 |
| Or | | |
| Q3a | Explain mutualism with an example from marine environment | 14 |
| Q3b | Write a detailed note on 'Microclimate' | |
| Q4 | Describe in detail the anatomy of coral and its growth | 14 |
| or | | |
| Q4a | Write an essay on Coral Reefs and their different types | 14 |
| Q4b | Describe biodiversity of coral reefs | |
| Q5 | Describe in detail the coastal wetlands of Gujarat | 14 |
| or | | |
| Q5a | Marine National Park & Sanctuary, Jamnagar- Comment on it | 14 |
| Q5b | Explain Wetland Classification based on Ramsar Conservation or Scott (1989) | |