

2012
B.A./B.Sc. (Hons.) Fifth Semester
Zoology
Paper - II: Aquatic Biology – I

Time allowed: 3 Hours

Max. Marks: 36

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Write short answers the following:-

- a) Name two sea weeds important in formation of coral reef
- b) Limnology
- c) Continental shelf
- d) Profundal zone
- e) Neuston
- f) Eutrophic lake
- g) Epiplagic zone of sea
- h) Imperfect cycle (8x1)

UNIT - I

II. Discuss the chemical factors influencing the marine environment. (7)

III. Give an account on adaptation in deep sea fishes. (7)

UNIT - II

IV. Discuss the type of flora and fauna present in different ecological zone of sea. (7)

V. Discuss the various types of coral reef and sea weeds with its economic importance. (7)

UNIT - III

VI. Discuss pool and rapid zone of stream. (7)

VII. Discuss the conditions of hill stream and write a note on adaptations features in hill stream fishes. (7)

UNIT - IV

VIII. Explain the nitrogen cycle. Why is it called the perfect cycle? (7)

IX. Discuss physical, chemical and biological characteristics of lentic habitat. (7)

x-x-x