

C 63168

(Pages : 2)

Name.....

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Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2014**

Environmental Science

ES 2C 07—ENVIRONMENTAL BIOLOGY—II

Time : Three Hours

Maximum : 36 Weightage

I. Answer *all* questions. Each question carries weightage 1.

- 1 What is Spatial niche ?
- 2 What is Mutualism ?
- 3 What is Intraspecific competition ?
- 4 What is natural selection in evolution ?
- 5 Lacustrine ecology deals with what ?
- 6 Define a Wetland.
- 7 What is Greenhouse effect ?
- 8 Define Guild.
- 9 Define Primary succession.
- 10 What is Allopatric speciation ?
- 11 Define competitive exclusion principle.
- 12 Give two examples mangroves.
- 13 What is Euphotic zone ?
- 14 Name any two greenhouse gases.

(14 × 1 = 14 weightage)

II. Answer any *seven* questions. Each question carries 2 weightage.

- 15 What is the economic importance of biodiversity ?
- 16 Explain how variation can lead to speciation.
- 17 Describe benthic zone with examples of fauna.
- 18 What are the sources of air pollution ?
- 19 Explain how ozone depletion takes place.
- 20 Write a brief account of desert adaptations of organisms.
- 21 Describe climax concept in succession.

- 22 Explain the water characteristics of an estuary.
- 23 Give a brief account of phytoplankton of a fresh water pond.
- 24 Give an account of degradation and deforestation of forests.

(7 × 2 = 14)

III. Answer any *two* questions. Each question carries 4 weightage.

- 25 Describe the faunal adaptations of intertidal rocky shore.
- 26 Discuss the environmental problems and solutions of urbanization.
- 27 Give an account of the impact of pollution on flora.
- 28 Give an account of pollution from agrochemicals and add a note on advantages of bio-

(2 × 4 = 8)