

M-7245

M.Sc. (IVth Semester) Examination, 2020

ENVIRONMENTAL SCIENCE

(Wetland Conservation)

Time Allowed : Three Hours

Maximum Marks : 70

Minimum Pass Marks : 25

Note : The question paper is divisible into three sections viz A, B and C. Attempt questions as per instructions.

SECTION - A

Note : Attempt any ten questions. Every question carry one mark.

1×10=10

- Q. 1.** Ramsar convention was held in _____ (Name the country).
- Q. 2.** What is fen ?
- Q. 3.** What 2 Feb. is celebrated as World Wetland Day ?
- Q. 4.** What are waterfowl ?

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- Q. 5.** What is Hydrology ?
- Q. 6.** Define species.
- Q. 7.** Explain zonation.
- Q. 8.** What is pneumatophores ?
- Q. 9.** What is Biota ?
- Q. 10.** Define productivity.
- Q. 11.** Explain sanctuary.
- Q. 12.** Write importance of wetland.
- Q. 13.** What is Bogs ?
- Q. 14.** What are amphibious plants ?

SECTION - B

Note : Attempt any ten questions. Every question carry two marks.

10×2=20

- Q. 1.** Write about the important pollutant of wetlands.
- Q. 2.** Explain factors which affect productivity.
- Q. 3.** What are halophytes ?
- Q. 4.** What are major threats to wetland ?

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- Q. 5. Write characters of swamps.
- Q. 6. Which is regarded as Nature's kidney and why ?
- Q. 7. Write the characteristics of mangrove forest.
- Q. 8. Write about the Ramsar sites in India.
- Q. 9. Which type of flora is present in wetland.
- Q. 10. Write the names of birds present in wetland habitat.
- Q. 11. Explain the chemistry of wetland water.
- Q. 12. Explain reasons for eutrophication in wetland.

SECTION - C

Note : Attempt any four questions. Each question carry ten marks. **4×10=40**

- Q. 1. Write about the major wetland of India and their ecological importance.
- Q. 2. What is conservation ? Explain wetland conservation.
- Q. 3. What is wastewater treatment ? Explain it with reference to wetland.

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- Q. 4. Write about the heavy metal toxicants in wetland and their impact on Biota.
- Q. 5. What are the characteristics of wetlands as per Ramsar convention.
- Q. 6. Write about the nutrient cycling processes in wetlands.

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