

M.Sc. Geoinformatics (2019 Course) Sem-I /
MASTER OF SCIENCE (WILDLIFE CONSERVATION ACTION) (CBCS-2019 COURSE)
M. SC. (WILDLIFE CONSERVATION ACTION) Sem-I : WINTER : 2021
SUBJECT: ECOSYSTEM STUDIES

Day : Monday

Time : 10:00 AM-01:00 PM

Date : 03-01-2022

W-21283-2021
W-21243-2021

Max.Marks 60

N.B.:

- 1) Answer **ANY FOUR** questions **Q. No.1** to **Q. No.5.**
- 2) Question No. 6 **COMPULSORY.**
- 3) Draw neat labeled diagram **WHEREVER** necessary.

- Q.1** a) Explain the role of limiting factors in biodiversity status of aquatic ecosystems. (06)
- b) Describe the biogeographic zones in India. Give example of a species in each zone. (06)
- Q.2** a) Explain the different grassland types in India. (06)
- b) Explain the structure of forest ecosystem in Western Ghats. (06)
- Q.3** a) Explain the differences between Gymnosperms and Angiosperms with example. (06)
- b) Explain Ecosystem services w.r.t. (06)
- i) Regulating services ii) Supporting services
- Q.4** a) What is Payments for ecosystem services? (06)
- b) Write a note on Binomial Nomenclature? (06)
- Q.5** a) What are Biogeochemical cycles? How human activities affect these cycles. (06)
- b) Describe importance of ex- situ conservation. Write about ex. situ conservation in plants. (06)
- Q.6** Write short notes **ANY THREE** of the following: (12)
- a) Millennium ecosystem development
 - b) Plate tectonics and evolution
 - c) Ecosystem productivity
 - d) Coral reef

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