

M. SC. (ENVIRONMENT SCIENCE AND TECHNOLOGY)
SEM - I (CBCS) (2013 COURSE) / M. SC.
(GEOINFORMATICS) SEM-I (CBCS) (2013 COURSE) /
DIPLOMA IN WILDLIFE CONSERVATION ACTION SEM
- I (CBCS)/ M. SC. (WILDLIFE CONSERVATION ACTION)
SEM – I (CBCS) 2015 COURSE : SUMMER - 2018
SUBJECT: ECOSYSTEM STUDIES

Day: **Monday**
Date: **09/04/2018**

Time: **10.00 AM TO 01.00 PM**
Max. Marks: 60

S-2018-1096

N.B.:

- 1) Answer any **FIVE** questions.
- 2) Figures to the right indicate **FULL** marks.

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- Q.1** a) What are biogeochemical cycles? How humans are responsible for affecting these cycles. (06)
- b) Explain various biogeographic zones of India with example of large mammals in each zone. (06)
- Q.2** a) What are limiting factors in ecosystem? Explain Liebig's law of Minimum. (06)
- b) Explain different types of grasslands in India. (06)
- Q.3** a) Explain ecosystem productivity and write about food chain in lake ecosystem. (06)
- b) "Coral reef as high diversity areas". Comment. (06)
- Q.4** a) What are ecosystem services? (06)
- b) Explain payment for ecosystem services. (06)
- Q.5** a) Explain in brief classification of plants. (06)
- b) Explain ecosystem dynamics with respect to primary and secondary succession. (06)
- Q.6** Write short notes on any **THREE** of the following: (12)
- a) ICBN nomenclature
 - b) Adaptations of desert animals
 - c) Ecological indicators
 - d) Plate tectonics and evolution of biodiversity
 - e) Functions of wetlands

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