

SUBJECT: BIODIVERSITY ASSESSMENT & CONSERVATION

Day: **Monday**
Date: **13/11/2017**

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

W-2017-0986

N.B.:

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

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- Q.1** a) Explain vulnerability to extinction with suitable examples related to: (06)
i) Migratory species
ii) Large body size of animals
- b) How does habitat fragmentation affect wildlife in India? What are the causes? (06)
- Q.2** a) What is the importance of wildlife management plan? (06)
- b) What are the causes of habitat destruction of forest ecosystems of India? (06)
- Q.3** a) What is genetic bottleneck? Explain the causes and impacts. (06)
- b) Describe the various criteria which need to be considered while designing protected area. (06)
- Q.4** a) What is the use of geospatial technology in Biodiversity assessment? (06)
- b) Explain Biodiversity indices and their use. (06)
- Q.5** a) What are the various habit management tools used in PA? (06)
- b) Explain ecorestoration with respect to any ecosystem. (06)
- Q.6** Write short notes on any **THREE** of the following: (12)
- a) Gap analysis
 - b) Wildlife corridors
 - c) Island biogeography
 - d) Exotic sps and its impact on wildlife
 - e) Species under illegal trade