

**M. SC. (ENVIRONMENT SCIENCE AND TECHNOLOGY) SEM -  
II (CBCS) (2013 COURSE)/ DIPLOMA IN WILDLIFE  
CONSERVATION ACTION SEM –II (CBCS) / M. SC. (WILDLIFE  
CONSERVATION ACTION) SEM – II (CBCS) 2015 COURSE :  
SUMMER - 2018  
SUBJECT : BIODIVERSITY ASSESSMENT & CONSERVATION (C)**

Day : **Thursday**  
Date : **19/04/2018**

**S-2018-1101**

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

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**N. B. :**

- 1) Answer **ANY FIVE** questions.
  - 2) Figures to right indicate **FULL** marks
  - 3) Draw neat diagrams wherever necessary
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- Q.1 a)** Explain threats to habitat with respect to **(06)**  
i) Overexploitation  
ii) Diseases
- b)** What are the approaches to conservation with examples? **(06)**
- Q.2 a)** What are the various qualitative and quantitative methods? **(06)**
- b)** What is importance of wildlife management? **(06)**
- Q.3 a)** Explain the steps involved in ecorestoration of grassland. **(06)**
- b)** Explain Vulnerability to extinction W.R.T. **(06)**  
i) Migratory habits  
ii) Low population density
- Q.4 a)** Explain various approaches to conservation. Describe in detail.  
i) Flagship species approach  
ii) Ecosystem approach
- b)** Write short notes on : **(06)**  
i) Generalist and specialist sps. With example  
ii) Genetic vortex
- Q.5 a)** Explain the criteria in designing a protected area with respect to **(06)**  
i) Large size  
ii) Corridors  
iii) Linear shape
- b)** What do you understand by metapopulation? Explain its importance in conservation of species. **(06)**
- Q.6** Write short notes on **ANY THREE** of the following: **(06)**  
**a)** Extinctions on island  
**b)** Use of statistics in biodiversity assessment **(06)**  
**c)** Air pollution causing habitat degradation  
**d)** Restricted geographical range making species vulnerable to extinction.