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SEAT No. :

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T.Y.B.Sc.

ENVIRONMENTAL SCIENCE

ENV-302: Wildlife Biology

(2008 & 2013 Pattern) (Semester - III) (Paper-II)

Time : 2 Hours]

[Max. Marks : 40

Instructions to the candidates:

- 1) All questions are compulsory and carry equal marks.*
- 2) Neat and labelled diagrams must be drawn wherever necessary.*
- 3) Figures to the right indicate full marks.*

Q1) Attempt the following in 1-2 lines each.

[10]

- a) What is meant by 'Wildlife' as per Wildlife Act?
- b) Mention any two characteristics of Bryophytes.
- c) What is meant by 'Radio tagging'?
- d) What is environmental significance of wetlands?
- e) Write scientific names of any two angiosperms.
- f) What are hotspots of biodiversity?
- g) Mention any two characteristics arid zones.
- h) Write any two objectives of camera trapping.
- i) Give an example of simple marine food chain.
- j) What are applications of diversity indices?

Q2) Write a short note on ANY TWO of the following:

[10]

- a) Conservation of Genetic Resources.
- b) Methods of plant Diversity Assessment.
- c) Diversity of vertebrates.

P.T.O.

Q3) Answer ANY TWO questions from the following: **[10]**

- a) Discuss in detail on ecological values of mangrove ecosystem.
- b) Write an account on applications of RS and GIS in wildlife management.
- c) Discuss the importance of terrestrial ecosystems as habitats for wildlife.

Q4) Attempt ANY ONE of the following: **[10]**

- a) Write a detailed account on various threats associated with wildlife destruction.
- b) Discuss on various population assessment techniques with reference to birds and mammals.

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