

T.Y.B.SC. SEM – VI (2014 COURSE) : WINTER - 2017

SUBJECT : BOTANY : ENVIRONMENTAL BOTANY

Day : Friday
Date : 27/10/2017

Time : 12.00 NOON TO 02.00 PM
Max. Marks : 40

W-2017-0682

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.

Q. 1 Attempt **ANY TWO** of the following: **(10)**

- a) Describe biotic component in ecosystem.
- b) What is ecological succession? Explain xerosere.
- c) Explain flow of energy and material in an ecosystem.

Q. 2 Attempt **ANY TWO** of the following: **(10)**

- a) Comment on triggering factors of environment.
- b) Describe adaptive significance of photosynthetic path ways.
- c) What is plant indicator? Describe in brief.

Q. 3 Attempt **ANY TWO** of the following: **(10)**

- a) Explain ecosystem productivity.
- b) What are ecological pyramids? Describe pyramid of number.
- c) Describe food chain and food web in ecosystem.

Q. 4 Attempt **ANY FIVE** of the following: **(10)**

- a) Explain characteristics of community.
- b) What is endemism?
- c) What is global warming?
- d) What is population growth?
- e) Enlist phyto geographical region of India.
- f) What is biogeochemical cycle?
- g) Give the abiotic component in ecosystem.

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