

T.Y.B.SC. SEM – VI (2014 COURSE) : SUMMER - 2018
SUBJECT : BOTANY : ENVIRONMENTAL BOTANY

Day : **Monday**
Date : **16/04/2018**

Time : **12.00 NOON TO 02.00 PM**

S-2018-0774 Max. Marks : 40

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagram **WHEREVER** necessary.
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Q. 1 Attempt **ANY TWO** of the following: **(10)**

- a) Explain holocenotic nature of environment.
- b) Comment on plant indicators and their role in environmental monitoring.
- c) Describe the abiotic components in ecosystem.

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

- a) What are ecological pyramids? Describe pyramid of energy.
- b) Explain flow of energy and material in ecosystem.
- c) Give adaptive significance of photosynthetic pathway.

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

- a) Give characteristics of community.
- b) Describe food chain and food web in ecosystem.
- c) What is ecological succession? Explain hydrosere.

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

- a) What is population density?
- b) Give biotic components of ecosystem.
- c) What is migration of flora?
- d) What is ozone depletion?
- e) What are renewable source of energy?
- f) What is species diversity?
- g) What is Homeostasis?

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