

Roll No. \_\_\_\_\_

[Total No. of Pages : 2]

**SVS 317 B-2K13**

**B.Sc. Vth Semester Degree Examination**

**Botany**

**(Ecology, Environmental Biology, Conservation & Management of  
plant Resources)**

**Paper - 5.2**

Time : 3 Hours

Maximum Marks :80

**Instructions to Candidates:**

- i) Answer all the questions.
- ii) Draw the Diagrams wherever necessary.

**Section - A**

**I. Answer the following questions. in one word or one sentence. (15×1=15)**

- 1) What is Food Web?
- 2) What is Biom?
- 3) What is synecology?
- 4) What are Heliophytes.
- 5) Define Non Bio degradable Pollutants.
- 6) Expand BOD.
- 7) What is Ecological Niche.
- 8) What are Exotic species.
- 9) What is smog.
- 10) What are endangered species.
- 11) What is vivipary in plants?
- 12) Define Genetic Diversity.
- 13) What is Mulching?
- 14) What fossil fuel? Give an example.
- 15) What is a Deciduous forest.

**Section - B**

**II. Answer any five of the following** **(5×5=25)**

- 16) What are ecological pyramids? Explain pyramids of number.
- 17) What are Epiphytes? Explain the Ecological adaptations of Epiphytes.
- 18) What are Green House Gases? Explain their effect on Environment.
- 19) What is Remot sensing? Mention its applications.
- 20) What are Non-Conventional energy resources? Mention any two.
- 21) What is Radio active pollution? Explain the causes and effects.
- 22) What is an Eco system? Explain Grassland Eco system.

**Section - C**

**III. Answer any four of the following** **(4×10 = 40)**

- 23) What is xerosere? Explain the stages of xerosere.
  - 24) What is water pollution? Explain causes, effects and control measures of it.
  - 25) What are hydrophytes? Explain the Morphological and Anatomical adaptations of Hydrophytes.
  - 26) Write notes on
    - a) Ozone Depletion.
    - b) Acid Rain.
  - 27) Describe the Botanical regions of India.
  - 28) Write notes on -
    - a) Ecade
    - b) Gene ecology.
    - c) Ecotype.
-