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**SVS-N-319 B18**

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

**BOTANY**

**(Ecology, Environmental Biology and Phytogeography)**

**Paper - 5.2**

**(New)**

**Time : 3 Hours**

**Maximum Marks : 80**

***Instructions to Candidates:***

- 1) *Answer ALL the questions.*
- 2) *Diagrams will enhance the value of Answers.*

**SECTION -A**

**I. Answer any TEN of the followings.**

**(10×2=20)**

- 1) Define Synecology.
- 2) What is food chain? Write the Parasitic food chain.
- 3) What is an ecological Niche?
- 4) What is Edge effect?
- 5) What are Hot spots? Name any two Hot spots at India.
- 6) What are endangered species? Give an example.
- 7) What is velamen tissue? What is its function?
- 8) What is Genetic diversity?
- 9) Expand IUCN and WWF.
- 10) What is In-situ conservation? Give an example.
- 11) What is Sacred Groove? Mention its importance.
- 12) What is wild life sanctuaries, name any one.

**SECTION - B**

**II.** Answer any **FOUR** of the followings.

**(4×5=20)**

- 13) What are Ecological pyramids? Explain pyramid of Number.
- 14) Explain the Role of climate in soil development.
- 15) What are Intellectual property rights? Explain patent.
- 16) What are Epiphytes? Write the ecological adaptation of Epiphytes.
- 17) Explain briefly the activities of CPCB.
- 18) Write a note on the vegetation of Hyderabad Karnataka region.

**SECTION - C**

**III.** Answer any **FOUR** of the following.

**(4×10=40)**

- 19) Write the Morphological and Anatomical adaptations of Xerophytes.
  - 20) What is Hydrosere? Explain the stages of Hydrosere.
  - 21) Write Notes on.
    - a) Eco type
    - b) Eco line
  - 22) What is Bio-diversity? Explain different levels of Bio-diversity.
  - 23) Write the characteristics of Tropical Rain forest and Tropical deciduous forest.
  - 24) Write notes on.
    - a) Cryopreservation
    - b) Gene Bank.
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