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VELAGAPUDIRAMAKRISHNA
SIDDHARTHA ENGINEERING COLLEGE
(AUTONOMOUS)

II/IV B.Tech. DEGREE EXAMINATION, OCTOBER, 2019

14HS1304/14HS1404 ENVIRONMENTAL STUDIES

Time: 3 hours

Max. Marks: 70

Part-A is compulsory

Answer One Question from each Unit of Part - B

Answer to any single question or its part shall be written at one place only

PART-A

10 x 1 = 10M

1.
 - a. What is desertification?
 - b. What are the impacts of mining on environment?
 - c. Define food web.
 - d. Name some endangered plant species of India.
 - e. What are the sources of soil pollution?
 - f. What are the mitigation methods of floods?
 - g. Mention the need for gender equality.
 - h. Define Water Act.
 - i. What are the risks due to chemicals in food?
 - j. Define producers and consumers.

PART-B**4 x 15 = 60M****UNIT-I**

2. a. What is the need for public awareness about the environment? **5M**
- b. Write a short note on equitable use of resources for sustainable resources. **5M**
- c. Do problems of dams outweigh their benefits? **5M**

(or)

3. a. What are the effects of modern agriculture? **5M**
- b. Explain land as a resource and causes for land degradation. **5M**
- c. What is the scope of Environmental studies? **5M**

UNIT-II

4. a. Explain any two types of ecological pyramids. **5M**
- b. Describe structure and function of river ecosystem. **5M**
- c. Name various hotspots of biodiversity. **5M**

(or)

5. a. Explain India as a megadiverse nation. **5M**
- b. Write about the endangered and endemic species of India. **5M**
- c. Explain in-situ and ex-situ methods of conservation of biodiversity. **5M**

UNIT-III

6. a. What are the effects of water pollution? **5M**
- b. What is the role of an individual in preventing pollution? **5M**
- c. Explain Solid waste management. **5M**

(or)

7. a. Describe the disaster mitigation techniques for earthquakes. **5M**
- b. Write short notes on thermal pollution. **5M**
- c. Explain the causes and effects of industrial waste. **5M**

UNIT-IV

8. a. Write the role of information and technology in environment and human health. **5M**
- b. Brief out your role in becoming a responsible consumer. **5M**
- c. Explain Water Act and issues involved in enforcement of the legislation. **5M**

(or)

9. a. Elaborate on value education in sustainable environmental development. **5M**
- b. Describe any one case study in nuclear accident. **5M**
- c. What are the various features of Watershed management? **5M**

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