

Reg. No:

--	--	--	--	--	--	--	--	--	--

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

B.Tech III Year II Semester Supplementary Examinations March-2021**ENVIRONMENTAL STUDIES**

(Common to ME & AGE)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

1 Why it is necessary to create environmental awareness for public? 12M

OR

2 a What are solar cells? Draw a neat diagram and enumerate its applications. 6M

b What is nuclear energy? Discuss its two types. 6M

UNIT-II

3 Describe the structure and functions of an ecosystem. 12M

OR

4 Explain:

a Food Chains 4M

b Food webs 4M

c Ecological pyramids 4M

UNIT-III5 What are the hotspots of biodiversity? Which are the hotspots found in India? 12M
Discuss their salient features.**OR**

6 What do you mean by consumptive use value, productive use value, social value, ethical value and option value of biodiversity? 12M

UNIT-IV

7 a What is watershed management? Discuss practices of watershed management. 6M

b What adverse effects can solid waste cause? How can the solid waste be managed? 6M

OR

8 Define air pollution. What are the natural and manmade pollutants that cause air pollution? Enumerate various methods for control of air pollution. 12M

UNIT-V

9 What do you mean by sustainable development? What are the major measures to attain sustainability? 12M

OR

10 a Discuss the salient features of Wildlife (Protection) Act, 1972. 6M

b Discuss the salient features of Forest (Conservation) Act, 1980. 6M

*** END ***