b) Impact of air pollution on animals

Unit - III

5. What are the principles of Ecosystem services? What are major types of Ecosystem services giving the salient points of each of them. Highlight its limitations. 2+2+8+2=14

6. Write notes on the following : 7x2=14
   a) The advantages of ecosystem services for human use
   b) Potential risk of monetising ecosystem services

Unit - IV

7. What do you mean by regulating ecosystem services? Describe briefly various regulating ecosystem services provided by different terrestrial systems. 2+12=14

8. Write short notes on the following : 7x2=14
   a) Drivers affecting regulating ecosystem services in aquatic systems.
   b) Approaches for restoration of regulating ecosystem services in aquatic systems.

Unit - V

9. What is a forest ecosystem? State the different provisioning services that emanates from a tropical forest ecosystem. Classify the different forest products that contribute to provisioning ecosystem services. 2+5+7=14

10. Write short notes on the following: 7x2=14
    a) Provisioning Ecosystem Services after the Millennium Ecosystem Assessment.
    b) Role of Forest in provisioning of food.

★★★

PG EVEN SEMESTER EXAMINATION, 2024

ECOLOGY AND ENVIRONMENTAL SCIENCE

2nd Semester

Course No. : ECGCC - 556

(Environmental Values and Ecosystem Services)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

The figures in the margin indicate full marks for the questions

(Answer any five questions, selecting one from each unit)

Unit - I

1. What is meant by 'valuing nature'? Briefly discuss the different use values of environmental resource. 4+10=14

2. Write short notes on the following : 7x2=14
   a) Eco-restoration
   b) Corporate Environmental Responsibility (CER)

Unit - II

3. Define natural resources. Explain the strategies of natural resource conservation. Add a note on the prospects of non-conventional energy resources to reduce reliance on fossil fuels. 2+8+4=14

4. Write notes on the following: 7x2=14
   a) Major causes of forest destruction in the world

(Turn Over)