

U.G. 5th Semester Examination - 2020

ENVIRONMENTAL SCIENCE

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : ENVS(H)DSE-P-02A/PR

[PRACTICAL]

(Environmental Economics)

(Field survey based analysis, exercise and interpretation)

Full Marks : 20

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Answer **any two** of the following : 10×2=20

1. Prepare a template for identifying and valuing ecosystem services from forests. For each forest use (timber production, carbon storage, water regulation, aesthetic amenities, recreation, wildlife), identify one or more benefits, beneficiaries of ecosystem services. 10
2. Mention several techniques available for valuing forest (land) under carbon pricing. Mention several key features of Bootstrapping Rwal Options Analysis (BROA) for valuing forest. 6+4=10

3. Discuss various economic valuation techniques for the ecological services of a wetland. State the monetary valuation techniques to evaluate the wetland ecosystem services. 5+5=10
4. How do you regulate direct inputs - outputs and indirect inputs - outputs in fishery management system? What will be your suggestions for the development of aquaculture with special reference to India. 4+6=10

[Turn over]