

U.G. 5th Semester Examination - 2020

ENVIRONMENTAL SCIENCE

[HONOURS]

Discipline Specific Elective (DSE)

Course Code : ENVS(H)DSE-P-01A/PR

[PRACTICAL]

(Energy and Environment)

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 structured questionnaire for conducting a survey on the adverse impact of burning biomass fuel and consequent indoor pollution on women's healthy in your locality. 10
2. Write down the steps involved in Energy Management Strategy? Mention the use of different green energy sources for energy conservation in an industry of Indian origin. 5+5=10
3. Sketch detail procedure/steps of energy audit. Also, provide the checklist for energy saving measures at office and at home. 6+4=10

4. Tabulate the earth's available energy resources into renewable and non-renewable forms. Mention one use of each. Explain the conversion of biomass (particularly wood) into a high-energy combustible gas with an appropriate sketch of a biomass gasifier.

5+5 10

[Turn over]