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**2020/TDC(CBCS)/ODD/SEM/  
EESDSE-503T/399**

**TDC (CBCS) Odd Semester Exam., 2020  
held in March, 2021**

**ECOLOGY AND ENVIRONMENTAL SCIENCE**

**( 5th Semester )**

**Course No. : EESDSE-503T**

**( Environmental Economics )**

*Full Marks : 50*

*Pass Marks : 20*

*Time : 3 hours*

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

**Answer any ten of the following questions :  $2 \times 10 = 20$**

- 1. Define environmental economics.**
- 2. What is market failure?**
- 3. Write the differences between environmental economics and traditional economics.**
- 4. What do you mean by tangible and non-tangible goods?**

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5. Write the characteristics of environmental goods.
6. What are the social benefits of environmental goods?
7. What is marginal analysis?
8. What are the types of environmental values?
9. What is environmental subsidy? Give examples.
10. What are the four main government policies to reduce pollution?
11. What is social cost? Give example.
12. What do you mean by emission charges? What are its aims?
13. Write the differences between renewable and non-renewable resources.
14. Write a note on taxation.
15. What do you mean by economics of natural resources?
16. What is the contribution of minerals in Indian economy?

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17. Write a note on environmental audit.
18. Write a note on Kuznets curve.
19. Briefly explain the impacts of economic growth on environment.
20. Write a note on the techniques of valuation.

## SECTION—B

Answer *any five* questions

21. Describe different components of economy. 6
22. What is microeconomics? Describe the scope of environmental economics. 1+5=6
23. What is tragedy of the commons? Describe the tragedy of commons by Garrett Hardin. 2+4=6
24. What do you mean by 80/20 rule? Write the Pareto principles with example. 1+5=6
25. What is polluter pay principle? Why should it be applied to greenhouse emissions? 3+3=6

( 4 )

- 26.** Describe different control measures implemented by government for minimizing the air pollution. 6
- 27.** What is sustainable development? Describe the role of water resources in economic development. 2+4=6
- 28.** Why is forest management important? Write different strategies of forest management. 6
- 29.** What are the principles of cost-benefit analysis? Describe the cost-benefit analysis in environmental economics. 2+4=6
- 30.** What is environmental risk assessment? Explain the assessing benefits and cost for environmental decision-making process. 2+4=6

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