Answer All questions

Time : 2 Hours

1. a. What do you understand by "Environmental Impact Assessment" . What are the purposes of it?

   b. Briefly explain the steps involved in Environmental Impact Assessment.

   (20 Marks)

2. a. Compare and contrast the Stated preference methods and Revealed preference methods in Environmental Valuation

   b. What do you understand by the term "Choice Modeling techniques" and describe the different Choice Modeling techniques used in Environmental Valuation.

   c. What are the different kinds of questions used in Contingent valuation technique and give the advantages and disadvantages of each of them.

   (30 Marks)

3. a. In the following table, assume that the planting cost for a forest is Rs. 1000.00, the harvesting cost is Rs. 0.30 per cubic feet of wood harvested and the market price of wood is Rs. 1.00 per cubic feet. Using the discount rates of 1%, 2% and 4% estimate the Net Benefits. Estimate the optimum time to harvest at each discount rate.

Age (Years)	Volume (Cubic feet)
10	694
20	1,912
30	3,558
40	5,536
50	7,750
60	10,104
68	12,023
70	12,502
80	14,848
90	17,046
100	19,000
110	20,614
120	21,792
130	22,438
135	22,514

b. If there is an increase in the discount rates, what will happen to the time period for harvesting? Explain if there are differences.

c. What would be the effect if a Rs. 0.20 tax is levied on each cubic foot of wood harvested in the above example?

(30 Marks)

4. Write **SHORT NOTES** on the following
   a. Public goods
   b. Externality
   c. Static Efficient Sustainable yield of Fisheries

(20 Marks)

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