

Total No. of Questions : 8]

SEAT No. :

**P2310**

**[4933]-406**

**[Total No. of Pages : 2**

**M. Sc.**

**ENVIRONMENTAL SCIENCE**

**EVSC-406: Forestry and Habitat Management  
(2013 Pattern) (Semester - IV) (Credit System)**

***Time : 3 Hours]***

***[Max. Marks :50***

***Instructions to the candidates:***

- 1) Your are advised to attempt not more then five questions.***
- 2) All questions carry equal marks.***
- 3) Neat diagrams must be drawn wherever necessary.***

- Q1)*** a) Give an account of forest conservation initiatives in India.  
b) Explain physiological factors influencing the vegetation

- Q2)*** a) What are the principles of silviculture.  
b) How GIS is helpful in forest cover monitoring. Explain in detail.

- Q3)*** a) Give the chemical control measure for forest injuries and damage.  
b) Write a note on sound forest harvesting practices.

- Q4)*** a) Explain the methods for measurement of girth and height of tree.  
b) What are the advanced methods for silviculture of trees.

- Q5)*** a) Explain any two 'Land use issues' with example.  
b) Discuss in brief the 'collection and processing of NTFPs'.

***P.T.O.***

**Q6)** a) How shifting cultivation can help forest cover management? Explain in brief.

b) Explain the stages of tribal economy.

**Q7)** a) Explain the method for valuation of forest goods and service.

b) What is cost-benefit ratio? Explain with suitable example.

**Q8)** Write a note on-

a) Forest Mensuration.

b) Nutrient cycling.

