

Total No. of Questions : 8]

SEAT No. :

**P1762**

[5230]-406

[Total No. of Pages : 2

**M.Sc.**

**ENVIRONMENTAL SCIENCE**

**EVSC-406 : Forestry & Habitat Management**

**(2013 Pattern) (Semester-IV)**

*Time : 3 Hours]*

*[Max. Marks : 50*

*Instructions to the candidates:*

- 1) *Solve any five questions from the following.*
- 2) *Neat and labelled diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*

**Q1)** Answer the following:

**[10]**

- a) Describe the importance of nutrient cycle in forest.
- b) Describe how cultural and traditional practices influence forestry programme.

**Q2)** Discuss the following:

**[10]**

- a) Discuss about economics of silvicultural in context of sustainable forest management.
- b) Discuss what are the advance methods used in silviculture.

**Q3)** Explain the following:

**[10]**

- a) Explain the importance of in-situ and ex-situ forest resources conversation programme.
- b) Explain in brief shelter wood cutting and seed trac method in Silviculture.

**Q4)** Write notes on the following:

**[10]**

- a) Forest fires and mining Impact on Forest.
- b) Cost benefit ratio related to Tree Improvement and Seed Technology.

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**Q5)** Answer the following: [10]

- a) Describe in brief about Sacred Groove with suitable example.
- b) Describe the various units of measurement of forest mensuration.

**Q6)** Discuss the following: [10]

- a) Discuss various methods of sampling and sample plots in forest management system.
- b) Discuss the general principles of Surveying and Forest engineering.

**Q7)** Explain the following: [10]

- a) Explain the importance of forest inventory.
- b) Explain various environmentally sound forest harvesting practices.

**Q8)** Write short notes on: [10]

- a) Valuation of forest goods and Service.
- b) Forestry Policies and issues related to land use.

