

Total No. of Questions : 8]

SEAT No. :

**P1700**

**[5130]-408**

[Total No. of Pages : 2

**M.Sc.**

**ENVIRONMENTAL SCIENCE**

**EVSC - 408 : Sustainable Agriculture and Organic Farming  
(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 labeled diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*

**Q1) Answer the following: [10]**

- a) What are the benefits of crop rotation in agriculture practices?
- b) Explain the biodiversity issues associated with Sustainable Agriculture.

**Q2) Answer the following: [10]**

- a) What is the importance of agri ecology in sustainable practices.
- b) Write the significance of Vermicompositing.

**Q3) Explain in brief: [10]**

- a) Integrated pest management.
- b) Agro pastoralism.

**Q4) Answer the following: [10]**

- a) Explain the importance of extensive live Stock Keeping.
- b) Problems in domestic live stock keeping and marketing.

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

- a) What are the reasons for disturbing nutrient balance in soil.
- b) Explain the importance of macro quality analysis in organic farming.

**Q6) Write in brief:** [10]

- a) Geen manuring.
- b) Post harvest Management.

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

- a) Write the significance of Weed Management.
- b) What is significance of preparation of cropping scheme for dry land.

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

- a) Role of bird perches is pest management.
- b) Micro irrigation practices.

