

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : VI (New)	Term : II	Academic Year : 2016-17
Course No. : AGRO 3610	Title : Farming Systems and Sustainable Agriculture	
Credits : 2 (1+1)		
Day & Date : Saturday, 06.05.2017	Time : 09.00 to 11.00	Total Marks : 40

- Note :**
1. Solve ANY EIGHT questions from SECTION "A".
 2. All questions from SECTION "B" are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 What is farming system? Give the objectives, concept and scope of farming system.
- Q.2 Define organic farming. Give the concept of organic farming and write the components of organic farming.
- Q.3 What is Cropping System? Give classification of Cropping Systems and explain sequential multiple cropping system.
- Q.4 Enlist the different indices used for evaluation of cropping scheme and explain economic evaluation.
- Q.5 Explain the differences between sustainable agriculture and modern agriculture.
- Q.6 Explain poor quality water. What are the most common problems that result from irrigation with poor quality water?
- Q.7 What is Integrated Farming System? Give the objectives, components and advantages of Integrated Farming System.
- Q.8 Define crop rotation and describe the principle of crop rotation.
- Q.9 Enlist the non monetary and low cost inputs and describe in detail about low cost inputs.
- Q.10 Write short notes (Any two).
- 1) Agri-Horticulture System.
 - 2) Nutrient deficiency symptoms of nitrogen.
 - 3) Integrated pest management.

SECTION "B"

- Q.11 Define the following terms.
- 1) Mixed farming
 - 2) Guard crop
 - 3) Augmenting crop
 - 4) Sewage
- Q.12 Match the following pairs.
- | | |
|-----------------------|----------------------------|
| 'A' | 'B' |
| 1) Bee keeping | a) Gypsum |
| 2) Problematic weed | b) Sowing time |
| 3) Soil amendment | c) <i>Cyperus rotundus</i> |
| 4) Non monetary input | d) <i>Apis mellifera</i> |
| | e) <i>Labeo Rohita</i> |

