

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Agri.)

Semester : VI (New)	Term : II	Academic Year : 2016-17
Course No. : AGRO 3611	Title : Organic and Rainfed Farming	
Credits : 2 (1+1)		
Day & Date : Saturday, 29.04.2017	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 organic farming? Enlist advantages and constraints of organic farming.
- Q.2 Explain contingency crop planning for aberrant weather situation.
- Q.3 Explain in brief the agronomic practices used in soil and water conservation.
- Q.4 What is water harvesting? Discuss in short the technique of water harvesting and recycling of run-off water.
- Q.5 Describe the recycling of crop residues and animal waste for organic farming.
- Q.6 Define antitranspirant and give its types used in agriculture.
- Q.7 What is green manuring? Explain its importance in agriculture.
- Q.8 Write in brief about certification, processing and marketing of organic produce.
- Q.9 Define watershed? Elaborate the concept and give the principles of watershed management.
- Q.10 Write short notes (Any two).
- 1) Soil improvement and amendments in organic farming
 - 2) Vermi-compost.
 - 3) Drought.

SECTION "B"

- Q.11 Fill in the blanks.
- 1) *Parthenium* is biologically controlled by _____ insect.
 - 2) *Rhizobium* culture is used for seed inoculation of _____ crops.
 - 3) In _____ farming, crops are grown on natural precipitation without irrigation.
 - 4) Farm yard manure contains _____ per cent nitrogen
- Q.12 Match the following pairs.

'A'

- 1) Predominant crop in rainfed area
- 2) Erosion resisting crop
- 3) Blue green algae
- 4) Green manuring crop

'B'

- a) Paddy
- b) Dhaincha
- c) Groundnut
- d) Bajra

