MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION

B.Sc. (Hons.) Agri. Business Management

Semester	: **III (New)**	**Term**	: **I**	**Academic Year**	: **2019-20**
Course No.	: AGRO 233	**Title**	: **Modern Farming Systems and Sustainable Agriculture**		
Credits	: 2(1+1)				
Day & Date	: Tuesday, 05.11.2019	**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 Define farming systems and give in brief information on specialized farming with their merits and demerits.

Q.2 Define cropping systems and explain in short the various cropping systems followed in India with suitable examples.

Q.3 Define organic farming and explain in short the basic principles of organic farming.

Q.4 Write the difference between sustainable agriculture and modern agriculture.

Q.5 Write in short the management practices for intercropping system.

Q.6 Enlist different indices used to evaluate intercropping systems and write in short one of them.

Q.7 What is meant by sustainable agriculture? Suggest the measures to be taken to maintain sustainability in agriculture.

Q.8 Explain in short the economic indices used to evaluate profitability of cropping systems.

Q.9 Define cropping scheme and describe in brief the characteristics of good cropping scheme.

Q.10 Explain in short the criteria of quality of irrigation water and measures to be adopted for the use of poor quality water.

SECTION "B"

Q.11 Match the following pairs.

'A'	'B'
1) Green manuring	a) Growing three crops in sequence in a year
2) Triple cropping	b) Silver carp
3) Fishery	c) Mulberry
4) Sericulture	d) Sunhemp

Q.12 State True or False.

1) Occurrence of insect and pests is more in modern agriculture.
2) The object of mixed cropping is to meet the family requirements for cereals, pulses and vegetable.
3) Zero tillage is adopted in paddy-wheat cropping system.
4) Use of Gypsum for acid soils to improve pH is common practice.

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