

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE  
SEMESTER END EXAMINATION

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

Semester : III (New)	Term : I	Academic Year : 2018-19
Course No. : SSAC 233	Title : Soil Fertility, Fertilizers and Nutrient Management	
Credits : 2(1+1)		
Day & Date : Thursday, 15.11.2018	Time : 9.00 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 Explain the role of nutrients in plant nutrition.
- Q.2 Describe Integrated Nutrient Management (INM) strategy.
- Q.3 Enumerate the nutrient deficiency symptoms of plants.
- Q.4 What are the management practices of acid soils?
- Q.5 Describe the effects of saline water irrigation on plant growth.
- Q.6 Explain in detail green manuring.
- Q.7 What is FYM? Give preparation method of FYM.
- Q.8 Define compost. Give the types of compost.
- Q.9 Give characteristics of calcareous soil.
- Q.10 What are the factors affecting nutrient availability?

SECTION "B"

- Q.11 Define the following terms.
- 1) Nutrient
  - 2) Leaching
  - 3) Bio fertilizers
  - 4) Diffusion
- Q.12 State True or False.
- 1) Blue green algae and Azolla fix atmospheric nitrogen in the flooded rice fields.
  - 2) Gypsum is applied for reclamation of acidic soil.
  - 3) Green manure becomes ready within a short time.
  - 4) Nutrients that are required in relatively smaller quantities but are essential are termed as macronutrients.

