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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (Sem.-4)

**FARMING SYSTEM AND SUSTAINABLE AGRICULTURE**

Subject Code : BSAG-407-19

M.Code : 79746

Date of Examination : 15-07-22

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**1. Write briefly :**

- a. Cropping system
- b. Farming system
- c. LEIA
- d. Mixed farming
- e. Subsistence farming
- f. Multiple cropping system
- g. Vertical farming
- h. Sericulture
- i. Wood plantation
- j. Sustainable farming.

## SECTION-B

2. Define integrated farming system. Write down their pros and cons.
3. Discuss system approach in detail.
4. What do you mean by adaptation and mitigation agriculture?
5. Define conservation agriculture. Discuss principles of conservation agriculture.
6. Define sustainable agriculture. Discuss concept of sustainable agriculture.

## SECTION-C

7.
  - a. Differentiate LEISA and LEIA.
  - b. Discuss the problems and impact of agriculture. Write down the indicators of agricultural sustainability.
8.
  - a. Define integrated farming system and write down the advantages of integrated farming systems.
  - b. What do you know about role of farming system on environment?
  - c. How farming system helps in preserving native breeds.
9.
  - a. Discuss flow energy in crop-livestock farming system; crop-fish-poultry farming system; crop-livestock-poultry farming system.
  - b. Discuss farming systems for different agro-climatic zones of India.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**