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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards) (Sem.-7)

FARMING SYSTEMS AND SUSTAINABLE AGRICULTURE

Subject Code : BSAG-CS704

M.Code : 74831

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 short notes on :**

- a. Collective Farming
- b. Diversified farming
- c. LEISA
- d. Lay farming
- e. Commercialized farming
- f. Transhumant
- g. System Approach
- h. Bio-intensive gardening
- i. Energy plantation
- j. Sericulture



SECTION-B

2. Define integrated farming system. Write objectives of farming system.
3. Discuss Intensity of the Rotation, its formula and give example.
4. Discuss shifting cultivation.
5. Discuss principles of sustainable agriculture.
6. Discuss a farming system model under irrigated situation for livelihood security of small and marginal farmers.

SECTION-C

7.
 - a. Define sustainable agriculture. Discuss concept of sustainable agriculture.
 - b. Discuss the problems and impact of agriculture. Write down the indicators of agricultural sustainability.
8.
 - a. Discuss different components of farming system.
 - b. How mixed cropping and farming system are differentiated in your own words.
9.
 - a. Define integrated farming system and write down the advantages of integrated farming systems.
 - b. Discuss agro-forestry its importance and commonly followed agro-forestry systems in 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.