

Roll No.						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:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains FIVE questions carrying FIVE marks each and students 2. have to attempt any FOUR questions.
- 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
- ilistrauker com e. Commercialized farming
- f. Transhumant
- g. System Approach
- h. Bio-intensive gardening
- i. Energy plantation
- 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.

2 M-74831 (S2)-2579