

Roll No.

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B.Sc. Honours (Agriculture) (Sem.-4)
FARMING SYSTEM & SUSTAINABLE AGRICULTURE

Subject Code : BSAG-407-19

M.Code : 79746

Date of Examination : 06-07-21

Time : 2 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE question(s), each question carries 12 marks.

1. a) Define: Farming system, Conservation agriculture, HEIA, Organic farming, Subsistence farming, Commercialized farming.
b) Write down the principles of farming system.
2. a) Discuss shifting cultivation. Write down its advantages.
b) Define conservation agriculture. Discuss principles of conservation agriculture. Enlist various conservation agriculture practices.
3. a) Define sustainable agriculture. Discuss concept of sustainable agriculture.
b) Define diversified farming and write down its advantages and disadvantages.
4. a) Write down types of agro-forestry systems. Enlist characteristics of agro-forestry systems.
b) Discuss farming systems for different agro-climatic zones of India.
5. a) Define cropping pattern. Discuss it with examples. Write down its advantages and disadvantages.
b) Discuss flow energy in crop-livestock farming system; crop-fish-poultry farming system; crop-livestock-poultry farming system.
6. a) Define integrated farming system and write down the advantages and disadvantages of integrated farming systems.
b) Differentiate moriculture and mericulture.
7. a) Describe farming system concept. Enlist various factors for choosing enterprises for integrated farming system.
b) Differentiate mixed farming and diversified farming.
c) Enlist various components of integrated farming systems.

8. Comment (write whether the statement is right or wrong and why the statement is right or wrong)
- a) Extensive cultivation is practiced in Punjab state.
 - b) Organic farms requires 2½ times less labour than factory farms yet yields 10 times profit.
 - c) Integrated farming system helps to conserve native livestock species.
 - d) Integrated farming system provides regular income and balanced nutrition to farmers' family.

Note: Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

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