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Total No. of Printed Pages: [01]

Total No. of Questions: [09]

B. Sc. Agriculture (Semester – 7th)
FARMING SYSTEM & SUSTAINABLE AGRICULTURE
Subject Code: BAGE2-704
Paper ID: [130157]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a. Specialized and diversified farming.
 - b. Factors affecting ecological balance
 - c. Sustainable agriculture.
 - d. Natural farming
 - e. Zabo cultivation
 - f. Bio-intensive gardening.
 - g. Integrated farming system.
 - h. Shifting cultivation and ranching.
 - i. Energy and fuel wood plantations
 - j. Cropping patterns

Section – B

(5 marks each)

- Q2. Define farming system. Discuss their principles and write down the scope of farming system?
- Q3. Discuss integrated farming systems for different agro -climatic zones of India?
- Q4. Discuss the problems and impact of agriculture. Write down the indicators of agricultural sustainability?
- Q5. Discuss agro -forestry its importance and commonly followed agro -forestry systems in India?
- Q6. Discuss about land degradation and conservation of natural resources?

Section – C

(10 marks each)

- Q7. Discuss principles of sustainable agriculture? Discuss a farming system model under irrigated situation for livelihood security of small and marginal farmers?
- Q8. Discuss Cropping systems, their characteristics and management? Discuss efficient food producing systems?
- Q9. Discuss in detail about Agro-ecosystem and agro-ecological zones of Punjab and India?