

Roll No.

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02

Total No. of Pages :

Total No. of Questions : 18

B.Sc. Agriculture (2014 to 2018) (Sem.-7)

FARMING SYSTEMS AND SUSTAINABLE AGRICULTURE

Subject Code : BSAG-CS-704

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

Write short notes on :

1. Diversified farming
2. Synergetic cropping
3. Alley cropping
4. Sustainable agriculture
5. Collective farming
6. Tenant farming
7. Agri-silviculture
8. Agri-silvipastoral system
9. Livelihood diversification
10. Permaculture

SECTION-B

11. Discuss the extent of soil degradation in India.
12. Differentiate between HEIA and LEISA.
13. Differentiate between cropping system and cropping pattern.
14. Write down the advantages and disadvantages of intercropping.
15. Draw a figure showing resource flow model for crop-livestock farming system.

SECTION-C

16. Define farming system, its scope, principles and components.
17. Write down the integrated farming systems for different agro-climatic zones of India.
18. Define sustainable agriculture. Discuss the indicators of sustainability.

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.