

KERALA AGRICULTURAL UNIVERSITY
B.Sc. Hons. (Agriculture) – 2007 Admission - Vth Semester
Final Examination - January 2010

Cat. No. : Agro 3108

Max. marks: 80

Title : Cropping Patterns and Farming Systems (1+1)

Time : 3 hours

(10x1 =10)

I. Fill up the blanks/ Match the following/ State true or False/ Define:

1. Farming system based on indigenous knowledge and practices is
 - a. Traditional agriculture
 - b. Sustainable agriculture
 - c. Subsistence farming
 - d. Organic agriculture
2. The repetitive cultivation of ordered succession of crops is
 - a. Cropping system
 - b. Crop rotation
 - c. Mono cropping
 - d. Sequential cropping
3. Sowing of a crops at optimum date is an example of
 - a. Monetary input
 - b. Non monetary input
 - c. Monetary and non monetary input
 - d. External inputs
4. _____ are the angels of agriculture
5. Work turned out by a labour in unit time or a day of 8 hours is _____
6. Allied enterprise highly suitable for wetland integrated farming system is _____
7. Total cropped area by net area available for cultivation multiplied by 100 is _____
8. Goat breed suitable for intensive system of rearing is _____
9. Inputs that originate from outside the system is _____
10. _____ is important objective of integrated farming system

II. Write short notes/answers on ANY TEN

(10x3 =30)

1. Annidation
2. Relay cropping •
3. Homestead farming
4. Trap and catch cropping
5. Contingency cropping
6. Competition index
7. Taungya cultivation
8. Cropping scheme
9. Parallel cropping
10. Cover cropping
11. Silvipasture
12. Aggressivity

III. Write short essays on ANY SIX of the following

(6 x 5 =30)

1. Give the important cropping systems in India and explain the Sorghum and Cotton based cropping system.
2. Merits and demerits of precision farming in India
3. Discuss the homestead farming in Kerala
4. Explain the interaction between crop-livestock farming system and crop-poultry system.
5. How to select tree species for multipurpose use and give examples for multipurpose trees?
6. Explain the nutrient and water management in sequential cropping.
7. How to select crops and varieties in inter, sequential and multi-tier cropping system?
8. Give the importance of system approach in crop production.

IV. Write essays on ANY ONE

(1 x 10 =10)

1. Define agro- forestry and explain the major agro forestry systems in India
2. Explain the integrated farming system models for lowlands and uplands.