Roll No. ☐☐☐☐☐☐☐☐

B.E.(Full Time) DEGREE END SEMESTER EXAMINATIONS, April 2019
OPEN ELECTIVE
Sixth Semester
AI 7691- AGRICULTURAL ECONOMICS AND FARM MANAGEMENT
(Regulations 2015)

Time: 3 Hours   Answer ALL Questions   Max. Marks: 100

PART- A (10 x 2 = 20 Marks)

1. State the objectives of farm management.
2. Distinguish between farm records and accounting.
3. Mention how the term 'returns to scale' is interpreted.
4. Write the Cobb-Douglas production function and indicate its parameters.
5. Highlight on the concept of least cost combination of inputs.
6. Distinguish between isoquant and isocline line.
7. State the difference between risk and uncertainty in agriculture.
8. Define margin of safety in break even analysis.
9. List the advantages of balance sheet.
10. What is meant by discounting process in investment analysis?

PART- B (5 x 13 = 65 Marks)

11. (a)(i) Discuss farm management and relate it to other basic sciences.   (7)

    (ii) Depict a typical farm layout highlighting different aspects of agriculture.   (6)

OR

11. (b) Explain in detail the different methods to estimate valuation and depreciation. (13)

12. (a)(i) Explain the law of diminishing returns with an example.   (7)

    (ii) Discuss the term optimality in input use.   (6)

OR

12. (b) Calculate TVP, MVP and TR, MR and MC for the following data if labour wage is Rs. 33.00/ man day and price per unit of output is Rs. 6.00.Assume the variable input is increased by one unit for all the data starting from zero input and zero output. Assume any other data if necessary.   (13)

| TPP | 15 | 38 | 66 | 96 | 98 | 106 | 109 | 150 | 145 | 120 | 117 |

13. (a)(i) Discuss all the costs that may be found essential for the cost of cultivation. (7)

(ii) Explain the different types of risks associated in agriculture. (6)

OR

13. (b) Explain the relationship among the products with suitable data and the application of product substitution. (13)

14. (a) Discuss the types of resources and focus them towards resource management. (13)

OR

14. (b) Describe the procedure in using rate or return discounting method. Analyse with your own example for the above method. (13)

15. (a)(i) Prepare a balance sheet for a farm of 2.5 hectare size with paddy cultivated from November to April. (7)

(ii) Explain 3R's and 5C's in financial analysis. (6)

OR

15. (b) Explain the different types of farm budgeting. How a partial budgeting could be prepared? (13)

PART- C (1 x 15 = 15 Marks)

16. Prepare an interview schedule for collecting data from individual farmers in a village having 50 farming families who carry out dairy farming to know the problems faced by them in dairy production, storage and marketing. Sample size is decided as 10 for the interview. Both quantitative and qualitative data need to be collected. (15)

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