

2013

M.A/M.Sc.

3rd Semester Examination

ECONOMICS

PAPER—ECO-303(A)

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Special Paper : Agricultural Economics

Group—A

1. Answer any *five* of questions : 2×5

(a) Distinguish between operational holding and agricultural holding.

(Turn Over)

- (b) Distinguish between marketable surplus and marketed surplus.
- (c) What is mixed farming?
- (d) What are the different sources of risk in agriculture?
- (e) What is hedging?
- (f) Why is farm planning necessary?
- (g) Distinguish between linear and quadratic production functions.
- (h) What is meant by labour efficiency index?
- (i) What is diminishing balance method of calculating depreciation of farm asset?
- (j) What do you mean by marketing function?

Group—B

Answer any *two* questions : 5×2

2. What are the different kinds of price instability ? How can the price instability be measured ?
3. Explain Nerlove's model of supply of agricultural goods.
4. What are the basic assumptions of linear programming ? What may be the different types of farm activities in linear programming ? Give an example of use of L.P. in farm economics.
5. Distinguish between partial productivity total factor productivity with a suitable example in farm economics.

Group—C

Answer any *two* questions : 10×2

6. Discuss the models of T. N. Krishnan and Raj Krishna to explain the behaviour of marketable surplus of agricultural products.
7. Discuss the various physical and financial efficiency measures of a farm.

8. Discuss the following production functions which are used in farm economics — Cobb-Douglas production function, Spillman production function, translog production function and transcendental production function.

 9. Explain market channel, marketing cost and price spread for a farm product with a suitable example.
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