

**2015**

**M.A/M.Sc.**

**3rd Semester Examination**

**ECONOMICS**

**PAPER—ECO-302A**

*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-II**

**Group—A**

1. Answer any *two* questions : 2×2
- (a) Describe the features of backward agriculture.
  - (b) Distinguish between absolute risk-aversion and relative risk-aversion of a farmer.

*(Turn Over)*

- (c) Define sustainable agricultural growth.
- (d) Suggest some policy measures for conservation of natural resources.

2. Answer any *one* question : 1×6

- (a) Give an outline of the model of adoption of a new technology in agriculture by a risk-averse farmer under production uncertainty.
- (b) Demonstrate theoretically how excess depletion of ground water makes agricultural growth unsustainable in the long run.

3. Answer any *one* question : 1×10

- (a) Examine the relationship between farm size and rate of adoption of a new technology in agriculture under uncertainty.
- (b) What are the causes of soil degradation? Show that public intervention can ensure sustainable growth in agriculture by conservation of soil fertility. 4+6

**Group—B**

4. Answer any *two* questions : 2×2
- (a) Define agrarian institutions and show the interrelationship among them.
  - (b) Explain the causes of market thinness in agricultural commodities.
  - (c) Discuss the role of information technology in agricultural marketing.
  - (d) Define marketing margin and discuss its component in respect of agricultural commodities.
5. Answer any *one* question : 1×6
- (a) What is the typical marketing channel of agricultural commodities? Discuss the importance of oligopsony in agricultural marketing. 2+4
  - (b) Explain the price dynamics of agricultural commodities using Cobweb model.

6. Answer any *one* question : 1×10

(a) Distinguish between fixed rent and share contract in tenancy farming. Give an outline of optimal share contract by a tenant under production uncertainty.

4+6

(b) Theoretically show how a tenant maximises utility by choosing optimal amounts of rented land and labour use in cultivation. Examine the effect of Cost-sharing on the use of modern inputs on rented land.

7+3

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