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: \[1 \times 6\]

(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: \[1 \times 10\]

(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: 1x10

(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