

M. A. / M. Sc. (Final) Geography
Paper – II (B): Agricultural Geography

Unit – I

- a) The nature and scope of agricultural geography.
- b) Approaches in agricultural geography: recent trends.
- c) Origin and dispersal of agriculture.
- d) Development of agricultural geography.
- e) Sources of agricultural data.

Unit – II

- a) Physical factors affecting agriculture: terrain, climate, soils and water.
- b) Non-physical factors affecting agriculture: Institutional (including social and economic) and technological.
- c) Agricultural systems of the world: critical review of classification of agricultural types.
- d) Major agricultural types of the world and their characteristics and world distribution.
- e) Detailed study of intensive subsistence, commercial grain farming, Mediterranean agriculture and tropical plantation agriculture.

Unit – III

- a) Land use classification; land use pattern in India; and land capability classification.
- b) Von Thunen's agricultural model of agricultural land use and recent modification in it.
- c) Cropping pattern; changing cropping pattern in India.

NOT FOR SALE
FOR OFFICE USE ONLY

- d) Measures of carrying capacity of land; nutrition and food balance sheet; food surplus and food deficient regions of India.
- e) Diffusion model.

Unit – IV

- a) Concept and techniques of delimitation of agricultural regions; agricultural regions of India and their characteristics.
- b) Measures of agricultural productivity and efficiency levels and other characteristics.
- c) Regional pattern of agricultural productivity in India.
- d) Crop combination methods: Weaver's, Doi's and Rafiullah's methods and their applications.
- e) Agricultural typology: concept and methodology; patterns with special reference to the world and Rajasthan.

Unit – V

- a) Sustainable development in agriculture.
- b) Green revolution: Its components, impact and consequences.
- c) White revolution: Its components, impact and consequences.
- d) Specific problems in Indian agriculture and their management and planning.
- e) Agricultural policy in India.

Suggested Readings:

1. Bayliss Smith, T. P., The Ecology of Agricultural Systems, Cambridge University Press, London, 1987.
2. Berry, B. J. L. et al, The Geography of Economic Systems, Prentice hall, New York, 1976.
3. Brown, L. R., The Changing World Food Prospects: The Nineties