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M.A. / M.Sc. (Final) Geography Paper - I: Agricultural Geography

Unit - I

- The nature and scope of agricultural geography.
- Approaches in agricultural geography: recent trends.
- Origin and dispersal of agriculture.
- Development of agricultural geography.
- Sources of agricultural data.

Unit - II

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

Unit - III

- Land use classification; land use pattern in India; and land capability classification.
- Von Thunen's agricultural model of agricultural land use and recent modification in it.
- Cropping pattern; changing cropping pattern in India.
- Measures of carrying capacity of land; nutrition and food balance sheet; food surplus and food deficient regions of India.
- Diffusion model.

Unit - IV

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

Unit - V

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

Suggested Readings:

- Bayliss Smith, T.P., The Ecology of Agricultural Systems, Cambridge University Press, London, 1987.
- Berry, B.J.L. et al, The Geography of Economic Systems, Prentice Hall, New York, 1976.
- Weber, Alfred, Alfred Weber's Theory of Location of Industries, Chicago University Press, Chicago, 1929.
- Yaseen, Leonard, Plant Location, American Research Council, New York.
- कुमार, प्रमिला एवं शर्मा, श्रीकमल: औद्योगिक भूगोल, मध्य प्रदेश हिन्दी ग्रन्थ अकादमी
- लोढा, राजमल: औद्योगिक भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी