

5115
M.A. (Final) Geography
Paper - I: 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.
- 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:

- 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.
- Mamoria, C. B., Agriculture Problems in India, Kitab Mahal, Allahabad
- Mohammad, A., Dynamics of Agricultural Development in India, Concept Pub. Co., New Delhi
- Mohammad, N., Perspectives in Agricultural Geography, Concept Pub. Co., New Delhi
- Morgan, W.B. and Munton, R.J.C., Agriculture Geography, Methuen & Co., London
- Shafi, M., Agriculture Geography, Dorling Kindersley Pvt. Ltd., New Delhi
- Weber, Alfred, Alfred Weber's Theory of Location of Industries, Chicago University Press, Chicago, 1929.
- Yaseen, Leonard, Plant Location, American Research Council, New York.
- हुसैन, माजिद, कृषि भूगोल, रावत पब्लिकेशन, नई दिल्ली
- तिवारी, आर.सी. एवं सिंह, बी.एन., कृषि भूगोल, प्रवालिका पब्लिकेशन्स, इलाहाबाद
- शर्मा, बी.एल. एवं भारद्वाज, डॉ पलक, कृषि भूगोल, रस्तोगी पब्लिकेशन, मेरठ
- गौतम, अलका, कृषि भूगोल, शारदा पुस्तक भवन, इलाहाबाद
- नेगी, बी. एस., कृषि भूगोल, केदारनाथ रामनाथ मेरठ
- सिंह, ब्रजभूषण, कृषि भूगोल, ज्ञानोदय प्रकाशन, गोरखपुर
- जैन, हरकचंद, सैद्धान्तिक आर्थिक भूगोल, कमलेश प्रकाशन, भीलवाड़ा
- कुमार, प्रमिला एवं शर्मा, श्रीकमल: औद्योगिक भूगोल, मध्य प्रदेश हिन्दी ग्रन्थ अकादमी
- लोढा, राजमल: औद्योगिक भूगोल, राजस्थान हिन्दी ग्रन्थ अकादमी