

UNIVERSITY OF JAMMU
DEPARTMENT OF GEOGRAPHY
Syllabus for Pre-Ph.D. Course Work
Specialization Paper

Title: Agricultural Geography

Credits: 6

Duration of Examination: 3 hours

Max Marks: 150

Note: Detailed syllabus for examination to be held in 2026 & 2027 & 2028

Objectives:

The course aims to make students understand the basic concepts of Agriculture Geography i.e. general landuse, agricultural landuse, cropping pattern, soil and crop relationships etc. The objectives of the paper/course are to understand relationships between physical nature of the region and overall agrarian practices.

UNIT I

- 1.1 Nature, scope and significance of agricultural Geography.
- 1.2 Approaches to the study of Agricultural Geography.
- 1.3 Origin and development of Agricultural Geography.
- 1.4 Role of agriculture on human society.

UNIT II

- 2.1 Factors affecting the agricultural land use.
- 2.2 Agricultural concept and their measurement:
 - a. Cropping Pattern b. Crop concentration
 - c. Cropping Combination d. Crop Diversification
- 2.3 Agricultural efficiency and productivity.
- 2.4 Regional patterns of agricultural productivity in India.

UNIT III

- 3.1 Von Thunen's model of agricultural location and its modification.
- 3.2 Land use patterns in India.
- 3.3 Green Revolution and second generation reforms in Indian agriculture.
- 3.4 Characteristics of Indian agriculture.

UNIT IV

- 4.1 Basis of classification of agriculture of the world.
- 4.2 Agricultural regionalization of India.

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4.3 Agricultural planning and policies.

4.4 Food security and nutrition.

UNIT V

5.1 Farmer Distress and Rural Livelihoods.

5.2 Impact of Climate Change on Indian Agriculture.

5.3 Organic Farming and Sustainable Agriculture.

5.4 Precision Agriculture and Digital Innovation.

UNIT VI

6.1 Climate change and agricultural resilience in Jammu and Kashmir.

6.2 Land use and agricultural development in Jammu and Kashmir.

6.3 Spatio-Temporal Variability, problems and prospectus of horticulture in Jammu and Kashmir.

6.4 Impact of WTO on agriculture.

NOTE FOR PAPER SETTERS

The question paper shall contain two questions from each unit. Candidates shall be required to attempt six questions in all selecting one question from each unit. Each question carries 25 marks.

BOOKS RECOMMENDED

1. Hussain M. Agricultural Geography, Inter India publishing, Delhi.
2. Singh Jasbir and Dhillon, S.S Agricultural Geography, Tata Mc Graw Hill, New Delhi, 1991.
3. Singh Jasbir, Agricultural Atlas of India A Geographical Analysis, Vishal Publishers Kurukshetra, 1974.
4. Symons, L., Agricultural Geography, G. Bells and Sons, London, 1967.
5. Saur, Carl Agricultural Origins and dispersal, American Geographical Society, New York.

DRC:

Amr *A. A.*

Singh

Y. M. B.

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