

Semester II

Course: GGUT- 124: Agricultural Geography

No. of Credits: 04

No. of Periods: 60

Topic No.	Topic	Sub topics	No. of Periods
1	Introduction to Agricultural Geography	i. Definition, nature, scope and significance ii. Approaches: systematic, commodity, regional, recent iii. Recent trends in Agriculture Geography	08
2	Significance of Agriculture	i. Significance of agriculture in world ii. Importance of agriculture in the Indian economy iii. Role of agro-based industry in regional development	06
3	Determinates of Agriculture	i. Physical factors ii. Economic factors iii. Social factor iv. Technological factors	10
4	Agricultural regionalization	i. Definition and concept ii. Views of Baker and Whittlesey iii. Crop combination techniques: Weaver and Thomas method iv. Agricultural efficiency: Kendall's ranking coefficient, Bhatia's method v. Agricultural regions of India	10
5	Agricultural Types	i. Intensive subsistent farming ii. Mixed farming iii. Horticulture iv. Plantation agriculture v. Commercial grain farming vi. Shifting cultivation	08
6	Problems and Prospects of Agriculture	i. Problems and prospects with reference to India ii. Droughts and famines iii. Role of irrigation in agriculture development iv. Agricultural productivity in India	05

7	Sustainable Agricultural Development in India	i. Waste land management ii. Organic farming concept iii. Crop rotation iv. Group farming v. Pest and weed management vi. Agro-forestry vii. Agro-tourism	07
8	Characteristics of Indian agriculture	i. Green revolution in India: problems associated with Indian agriculture ii. National agricultural policy iii. Recent changes in Indian agriculture	06

Reference Books:

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- **Bayliss Smith, T.P. (1987):** The Ecology of Agricultural Systems. Cambridge University Press, London.
- **Berry, B.J.L. et. al. (1976):** The Geography of Economic Systems. Prentice Hall, New York.
- **Brown, L.R. (1990):** The Changing World Food Prospects - The Nineties and Beyond. World Watch Institute, Washington D.C.
- **Dyson, T. (1996):** Population and Food, Global Trends and Future Prospects. Routledge, London.
- **Gregor, H.P. (1970):** Geography of Agriculture. Prentice Hall, New York.
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- **Patil S. G., Suryawanshi R. S., Pacharne S. and Choudhar A. H. (2014):** Economic Geography, AtharavPrakashan, Pune.
- **Pagar S. D., More J. C. & Thorat A. M. (2015):** Agricultural Geography, Atharva Publication, Pune.
- **Randhawa, M.S. (1980):** An History of Agriculture in India Vols. I, II, III, IV, ICAR, New Delhi.
- **Saptarshi P.G., More J.C., Ugale V.R., Musmade A.H. (2009):** India A Geographical Analysis, Diamond, Pune.
- **Sauer, C.O. (1969):** Agricultural Origins and Dispersals. M.I.T. Press, Mass, U.S.A.
- **Singh, J. and Dhillon, S.S. (1988):** Agricultural Geography, 2nd edition, Tata McGraw-Hill, New Delhi.
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- **Symons, Leslie (1970):** Agricultural Geography, G. Belt and Sons Ltd., London.

- **Tarrent, J.R. (1970):** Agricultural Geography, David and Charles, Newton Abbot.
- **Wigley, G. (1981):** Tropical Agriculture: The Development of Production, 4th edition, Arnold, London

