

**University of Mumbai**  
**Revised Syllabus w.e.f. Academic Year, 2017-18 (CBSGS)**  
**S.Y.B.A./ S.Y.B.Sc. Geography, Semester- IV**  
**Paper-III: Agriculture Geography of India**  
**COURSE CODE: UAGEO401 (2017-18) Credit - 3**

<b>Unit-I: Introduction to Agricultural Geography</b>		<b>09 (lectures)</b>
1.1	Definition, nature and scope of agricultural geography	
1.2	Approaches: regional approach, systematic approach, commodity approach, recent approaches	
1.3	Importance of agriculture in Indian economy	
1.4	Factors influencing agriculture in India	
1.5	India a agro-product exporting country	
<b>Unit-II: Introduction to Indian Agriculture</b>		<b>09 (lectures)</b>
2.1	Salient features of Indian agriculture	
2.2	Types of farming in India	
2.3	Major crops of India	
2.4	Agro- climatic regions of India	
2.5	Problems associated with Indian agriculture ( Natural, Socio-Economic and Political)	
<b>Unit-III: Green Revolution in India</b>		<b>09 (lectures)</b>
3.1	Introduction of Green Revolution in India	
3.2	Components of Green Revolution	
3.3	Positive impacts of Green Revolution	
3.4	Negative impacts of Green Revolution	
3.5	Need for sustainable agriculture in India	
3.6	Agriculture in drought prone region and watershed management	
<b>Unit-IV: Recent Trends in Agriculture</b>		<b>09 (lectures)</b>
4.1	White revolution and livestock resources,	
4.2	Genetic engineering, tissue culture and horticulture	
4.3	Poly house agriculture	
4.4	Agro processing in India	
4.5	Agro-tourism	
4.6	Agro forestry	
<b>Unit- V</b>		

<b>Practical Component</b>		<b>09 (lectures)</b>
5.1	Interpretation/ question- answer on thematic maps related to agriculture of India ( NATMO and other )	
5.2	Drawing of Statistical Diagrams and Graphs: Simple line graphs, multiple line, simple bar, compound bar and band graph	

**Reference books:-**

1. Bansil, B. C. (1975): 'Agricultural Problems of India', Delhi.
2. Bayliss Smith, T.P. (1987) : The Ecology of Agricultural Systems. Cambridge University Press, London .
3. Berry, B.J.L. et. al.(1976) : The Geography of Economic Systems. Prentice Hall, New York.
4. Gregor, H.P.: Geography of Agriculture. Prentice Hall, New York, 1970.
5. Grigg, D. (1984): 'An Introduction to Agricultural Geography', Hutchinson Publication, London
6. Grigg, D.B.(1974) : The Agricultural Systems of the World. Cambridge University Press, New York.
7. Hartshorn, T.N. and Alexander, J.W. (1988): Economic Geography. Prentice Hall, New Delhi.
8. Morgan W.B. and Norton, R.J.C. (1971): Agricultural Geography. Methuen, London,
9. Morgan, W. B. and Munton, R. J. C. (1977): 'Agricultural Geography' Methuen, London.
10. Morgan, W.B.(1978): Agriculture in the Third World - A Spatial Analysis. Westview Press, Boulde.
11. Sauer, C. O. (1952): 'Agricultural Origins and Dispersals', American Geographical Journal
12. Sauer, C.O.(1969): Agricultural Origins and Dispersals. M.I.T. Press, Mass, U.S.A.
13. Singh J.(1997): Agricultural Development in South Asia: A Comparative A Study in the Green Revolution Experiences, national Books Organization, New Delhi.
14. Singh, J. and Dhillon, S. S. (1984): 'Agricultural Geography', McGraw Hill, New Delhi.
15. Singh, J. and Dhillon, S.S. (1988), "Agricultural Geography", 2nd edition, Tata McGraw-Hill, NewDelhi
16. Symons, L. (1972): 'Agricultural Geography', Bell and Sons, London
17. Tarrant, J.R.(1974): Agricultural Geography, Problems in Modern Geography Series, John Wiley and Sons.

18. The Hindu ( 2006): Survey of Indian Agriculture 2006. New Delhi.
19. Wigley, G.(1981), Tropical Agriculture: The Development of Production, 4th edition, Arnold, London

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**Question Paper Pattern**  
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<b>Duration: 3 hours</b>		<b>Marks: 100</b>	
<b>N.B.</b> 1. All questions are compulsory and carry equal marks. 2. Use of Map Stencils and simple Calculator is allowed. 3. Attach appendix along with answer paper.			
Q. 1	<b>Practical, Unit - V</b>	5.1	10 Marks
		5.2	10 Marks
Q. 2	Unit-I		20 Marks
<b>OR</b>			
Q.2	Unit-I		20 Marks
Q. 3	Unit-II		20 Marks
<b>OR</b>			
Q. 3	Unit-II		20 Marks
Q. 4	Unit-III		20 Marks
<b>OR</b>			
Q. 4	Unit-III		20 Marks
Q. 5	Unit-IV		20 Marks
<b>OR</b>			
Q. 5	Unit-IV		20 Marks