

Vivekanand College, Kolhapur (Autonomous)
Syllabus, B.A. (Part II) Geography
 (Introduced From June 2019 Onwards)
CBCS System, Semester - III
Soil Geography, DSC-1022C1

1. Course Outcomes:-

- i) Students should be able to understand significance of soil geography which is the fundamental branch of Physical Geography .
- ii) Students should be able to compare and relate soil is key resource for the development of any country.
- iii) Students should be able to make use of various models of soil formations.
- iv) Students should be able classify soil degradation and soil distribution in Maharashtra
- v) Students should be able to use soil sample tools.
- vi) Students should learn to analyse saline and alkaline soil and comprehend vermi compost process
- vii) Students should be familiar with the concept, need and methods soil of management

2. Structure of Course for B.A.II. Soil Geography:-

Sr. No.	Semester	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory	Term Work
1	III	Soil Geography	Arts	04	04	04	40	10

3. Nature of Question Paper:-

Q.N.	Nature of Question Paper	Total Marks : - 40
Q.1	A) Multiple choice questions.	05
	B) Answer in one or two sentences.	05
Q.2	A) Long answer type question. or B) Long answer type question.	10
Q.3	A) Long answer type question. or B) Long answer type question	10
Q.4	Short Note (any 2 out of 4)	10

Module	Soil Geography	(No. of Credits)
Module I	Basics of Soil Geography	01(12 Lectures)
	1.1 Definition, Nature and Scope of Soil Geography 1.2 History of Soil Geography and Pedology 1.3 Significance of Soil Geography	
Module II	Soils: Formation and Properties	01(18 Lectures)
	2.1 Jenny's Factorial Model of Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor. 2.2 Process of Soil Formation: Physical, Biotic and Chemical. 2.3 Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature. 2.4 Chemical Properties of Soils: P ^H , Organic Matter, NPK (Nitrogen, Phosphorous and Potassium).	
Module III	Soils: Classifications, Distribution and Management	01(18 Lectures)
	3.1 Genetic Classification of Soils. 3.2 Major Soils Distribution in Maharashtra. 3.3 Soil Degradation: Concept, Causes, consequences and Measures 3.4 Soil Management: Need and Method	
Module IV	Practical (Theory only)	01(12 Lectures)
	4.1 Soil Profile 4.2 Vermi Compost Process 4.3 Soil Sample: Tools 4.4 Soil Analysis: Saline and Alkaline	

References:-

1. Backman, H.O and Brady, N.C.(1960.)The Nature and Properties of Soils, Mc Millan NewYork.
2. Bennet, Hugh H.: Soil Conservation, McGraw Hill, New York .
3. Bunting, B.T.(1973) The Geography of Soils, Hutchinson, London.
4. Clarke G.R.(1957) Study of the Soil in the Field, Oxford University Press, Oxford.
5. Foth H.D. and Turk, L.M.(1972) Fundamentals of Soil science, John Wiley, New York.
6. Govinda Rajan, S.V. and Gopala Rao, H.G.(1978) Studies on Soils of India Vikas, New Delhi.
7. Mc. Bride, M.B.(1999)Environmental Chemistry of Soils, Oxford University Press, New York.
8. Nye, P.H. and Greene, D.J.(1960)The Soil under Shifting Cultivation Commonwealth Bureau of Soil Science, Technical Communication, No. 51; Harpenden, England.
9. Raychoudhuri, S.P.(1958) Soils of India, ICAR, New Delhi.
10. Russell, Sir Edward J.:(1961) Soil Conditions and Plant Growth, Wiley, New York.
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Vivekanand College, Kolhapur (Autonomous)
Syllabus, B.A. (Part II) Geography
(Introduced from June 2019 onwards)
CBCS SYSTEM, Semester - III
Resource Geography, DSC-1022C2

1. Course Outcomes :-

- i) Students should know Resource geography is the fundamental branch of Physical Geography .
- ii) Students understand mineral resource is key resources for the development of any country.
- iii) Students should know forest and energy resources.
- iv) Students should know approaches in resource management and concept of sustainability.
- v) Students should know principles of energy conservation and Indian Renewable energy Programme

2. Structure of Course for B.A.II. Resource Geography:-

Sr. No.	Semester	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory	Term Work
1	III	Resource Geography	Arts	04	04	04	40	10

3. Nature of Question Paper:-

Q.N.	Nature of Question Paper	Total Marks : - 40
Q.1	A) Multiple choice questions.	05
	B) Answer in one or two sentences.	05
Q.2	A) Long answer type question. or B) Long answer type question.	10
Q.3	A) Long answer type question. or B) Long answer type question	10
Q.4	Short Note (any 2 out of 4)	10

Module	Resource Geography	(No. of Credits)
Module I	Introduction to Resource Geography	01(15 Lectures)
	1.1 Definition, nature and scope of Resources Geography 1.2 Concept of Resources 1.3 Classification of Resources 1.4 Significance of study of Resource Geography	
Module II	Mineral Resources	01 (15 Lectures)
	2.1 Importance of Mineral Resources 2.2 Types of Minerals 2.3 Distribution and Production of Iron Ore, Bauxite and Manganese in USA, USSR, UK and India	
Module III	Forests and Energy Resources	01(18 Lectures)
	3.1 Distribution and Utilization of Forest Resources: Types of Forest, Importance of Forest 3.2 Problems of Forest Resources : deforestation 3.3 Distribution and Utilization of Energy Resources : Non-renewable (Oil, Natural Gas, Coal) and Renewable (Solar, Hydro,Wind) 3.4 Problems of Energy Resources : Environmental impacts of non renewable energy consumption, Future energy options	
Module IV	Practical (Theory only)	01(12 Lectures)
	4.1 Proportional Circle 4.2 Choropleth Map 4.3 Dot Map 4.4 Isopleth Map	

References:-

1. Bruc Mitchell: Geography Resources Analysis, John Willy and Sons, New Yark
2. B. D. Nag Choudhary: Introduction to Environment Management, Inter Print Mehata House New Delhi.
3. Basant Singh: Sustainability: Demography of Resources , Geographical Publication Jaipur.
4. C. D. Deshpande: Geography of Maharashtra, National Book of Trust of India.
5. Cutter L., Ranwick H. L.: Exploration Conservation and Presentation : A Geographical Perspective and Natural Resources use, Rowmon and Allanheld, Towata.
6. Karave: Maharastra- Land and People.
7. Khatib A. K. : Geography of Maharashtra, Mehata Publication, Pune.
8. O.P. Mathewes: Water Resources Geography and Laws, Scientific Publisher Jodhpur.
9. Roonwal M. L.: The Natural Resources of Rajasthan, University Of Jodhpur, Jodhpur.
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Vivekanand College, Kolhapur (Autonomous)
SYLLABUS, B.A. (Part II) Geography
(Introduced from June 2019 onwards)
CBCS SYSTEM, Semester - IV
Oceanography, DSC-1022D1

1. Course Outcomes :-

- i) Students should be able to define nature and scope of oceanography.
- ii) Student should be able to describe temperature, salinity and currents of ocean.
- iii) Students should be able to classify ocean deposits.
- iv) Students should be acquainted with practical's related to oceanography i.e. hypsographic curve, wind rose, Isohalines and isotherms.

2. Structure of Course for B.A.II. Oceanography:-

Sr. No.	Semester	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory	Term Work
1	IV	Oceanography	Arts	04	04	04	40	10

3. Nature of Question Paper:-

Q.N.	Nature of Question Paper	Total Marks : - 40
Q.1	A) Multiple choice questions.	05
	B) Answer in one or two sentences.	05
Q.2	A) Long answer type question. or B) Long answer type question.	10
Q.3	A) Long answer type question. or B) Long answer type question	10
Q.4	Short Note (any 2 out of 4)	10

Module	Oceanography	(No. of Credits)
Module I	Introduction to Oceanography	01(15 Lectures)
	1.1 Definition, Nature and Scope of Oceanography 1.2 Oceanography and Physical Sciences 1.3 Branches of Oceanography 1.4 Significance of Oceanography	
Module II	Properties and Dynamics of Ocean	01 (15 Lectures)
	2.1 Ocean Temperature: Factors affecting on ocean temperature and Distribution of oceanic temperature 2.2 Ocean Salinity: Factors affecting on Oceanic salinity and Horizontal distribution of ocean salinity 2.3 Ocean Currents: Types and Factors responsible for origin of ocean currents Ocean currents-Pacific, Atlantic and Indian Ocean	
Module III	Applied Oceanography	01(15 Lectures)
	3.1 Ocean or Marine deposits: Sources and Classification 3.2 Ocean Resources – Biotic- Mineral and Energy Resources 3.4 Ocean Pollution – Causes, Effects and Measures	
Module IV	Practical's (Theory Only)	01(15 Lectures)
	4.1 Hypsographic Curve 4.2 Wind rose 4.3 Isohalines 4.4 Isotherms	

References:-

1. Anikouchine, W.A. and Sternberg, R.W. (1973) The World Oceans - An Introduction to Oceanography, Englewood Cliffs, N.J.
2. Grald, S. (1980) General Oceanography - An Introduction, John Wiley & Sons, New York.
3. Garrison, T. (1998) Oceanography. Wadsworth.com. USA .
4. King, C.A.M. (1972) Beaches and Coasts, E. Arnold, London.
5. King, C.A.M. (1975) Oceanography for Geographers E. Arnold, London .
6. Sharma, R.C. Vatel M. (1986) Oceanography for Geographers, Chetnya Publishing House, Allahabad.
7. Shepard, F.P. (1948) Submarine Geology, Harper & Sons, New York.
8. Thurman, H.B. (1984) Introductory Oceanography, Charles Webber E. Merril Publishing Co.
9. Weisberg, J. and Howard (1976) Introductory Oceanography, McGraw-Hill Book Co., New York.
10. Davis, Richard J.A. (1986) "Oceanography - An Introduction to the Marine Environment". Wm. C. Brown Iowa.
11. Duxbury, C.A and Duxbury B. (1996) An Introduction to the world's Oceans - C. Brown. Iowa, 2nd ed.

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14. Sharma, R.C.(1985) “ The Oceans “ Rajesh N.Delhi.
15. Ummerkutty, A.N.P.(1985) Science of the Oceans and Human life, NBT, New Delhi .
16. Denny, M.(200) How the Ocean works : An introduction to Oceanography, Princeton University Press, New Jersey
- 17 Thurman, H. B.:Introductory Oceanography, Charles Webber E. Merril publishing
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20. पाध्ये अशोक (१९९८): सागरविज्ञान, नॅशनल बुक ट्रस्ट इंडिया, नवी दिल्ली.
21. घारपुरे , पवार (१९९८): सागरविज्ञान, पिंपळापुरे अँड कं . पब्लिशर्स, नागपूर.
22. सवदी, कोळेकर (२००४): हवामानशास्त्र व सागरशास्त्र, निराली प्रकाशन , पुणे.
23. श्री. दाते व सौ. दाते (१९७०): प्राकृतिक भूगोल , रावील पब्लिकेशन, सातारा.
24. जाधव बी. एस., जाधव के. आर., पाटील ए. बी., (२०१४): सागरशास्त्र, नाग नालंदा प्रकाशन, इस्लामपूर.
25. कोलते, पपुराणिक कुबडे (१९९०) : हवामानशास्त्र व सागरविज्ञान, विद्या प्रकाशन, नागपूर.

Vivekanand College, Kolhapur (Autonomous)
Syllabus, B.A. (Part II) Geography
(Introduced from June 2019 onwards)
CBCS System, Semester - IV
Agricultural Geography , DSC-1022D2

1. Course Outcome :-

1. Students be able to understand the concept and development of Agriculture.
2. Students be able to inspect the role of agricultural determinants towards the changing cropping pattern.
3. Students be able to revise the Green Revolution.
4. Students be able to know agricultural concepts and modern technologies used in Agriculture.

2. Proposed Course Structure For B. A. II (Geography):-

Sr. No.	Semester	Title of the Paper	Discipline	Credit	Workload Per Week	Total Credits	Marks	
							Theory	Term Work
1	IV	Agricultural Geography	Arts	04	04	04	40	10

3. Nature of Question paper:-

Q.N.	Nature of Question Paper	TOTAL MARKS : - 40
Q.1	A) Multiple choice questions.	05
	B) Answer in one or two sentences.	05
Q.2	A) Long answer type question. OR B) Long answer type question.	10
Q.3	A) Long answer type question. OR B) Long answer type question	10
Q.4	Short Note (any 2 out of 4)	10

Module	Agricultural Geography	(No. of Credits)
Module I	Introduction to Agricultural Geography	01(12 Lectures)
	1.1 Definition, Nature, Scope and Significance of Agricultural Geography. 1.2 Evolution of agriculture: Ancient, Medieval and Modern Period 1.3 Determinants of Agriculture: physical and Human	
Module II	Systems and Land-use Theories of Agriculture	01 (18 Lectures)
	2.1 Major Agricultural Systems (Nomadic herding, Livestock ranching, Shifting cultivation, Intensive subsistence Farming, Commercial farming and Horticulture) 2.2 Von Thunen's theory of agricultural land use	
Module III	Regionalization, problems and Modern Concepts in Agriculture	01(18 Lectures)
	3.1 Agricultural Regionalization (Crop Combination and Crop Diversification) 3.2 Agricultural Problems (physical and Human) 3.3 Modern Concepts in Agriculture (Green revolution and Organic Farming)	
Module IV	Important Agricultural Documents	01(12 Lectures)
	4.1 Important Documents in Talathi Office 4.2 Importance of Land Revenue 4.3 Importance of Agricultural Journalism	

References :-

1. Bayliss Smith, T.P. : The Ecology of Agricultural Systems. Cambridge University Press, London, 1987
2. Berry, B.J.L. et. al. : The Geography of Economic Systems. Prentice Hall, New York, 1976
3. Brown, L.R. : The Changing World Food Prospects – The Nineties and Beyond. World Watch Institute, Washington D.C., 1990
4. Cantor L.M. : A World Geography of Irrigation. Oliver and Bord, London,
5. Desai G.N. and Vaidhanathan A : Strategic Issues in Future Growth of Fertilizer Use in India. McMillan Pub., New Delhi, 1998.
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7. Grigg D.B. : The Agricultural Systems of the World. Cambridge University Press, New York, 1974.
8. Morgan W.B. and Norton, R.J.C. : Agricultural Geography. Mathuen, London, 1971.
9. Nelson, Paul : Greenhouse Operation and Management. Reston Publishing, Virginia, 1985.
10. Sarkar, A.K. : Practical Geography : A Systematic Approach. Oriental Longman, Calcutta, 1997.
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१४. साळुंखे विजया: कृषि भूगोल, शेठ पब्लिशर्स, मुंबई - २००३
१५. घारपुरे विठ्ठल: कृषि भूगोल, पिंपळापुरे अँड कं . पब्लिशर्स, नागपूर - २०००
१६. खतिब के. ए., (२०१४): कृषि भूगोल