

# SHIVAJI UNIVERSITY, KOLHAPUR



Accredited By NAAC with 'A' Grade

## CHOICE BASED CREDIT SYSTEM

Syllabus For

B.A. Part - II

Geography

(Syllabus to be implemented from June, 2019 onwards.)

**Accredited By NAAC  
With 'A' Grade  
New/Revised Syllabus For  
Bachelor/Master of**

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B. A. Part - II  
DSC (Discipline Specific Core Course) Geography (Course / Paper No. III)  
**Semester - III**  
June 2019 onwards

**A] Ordinance and Regulations:-**

(As applicable to degree/program)

**B] Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of -Arts.**

**1. TITLE: Subject – SOIL GEOGRAPHY**

**Optional/Compulsory/Additional/IDS under the Faculty of Science**

**2. YEAR OF IMPLEMENTATION:** - New/Revised Syllabi will be implemented from June 2019 onwards.

**3. PREAMBLE:-**

Soil Geography which is the most important and comparatively neglected branch of Physical Geography. But after 1960 this branch of Geography becomes popular due to its own significance in the World. Therefore, it has been introduced to B. A. Part-II. In this course the fundamental as well basic concepts and knowledge of Soil Geography have been included. The present syllabus of this course includes nature, scope, branches, significance of Soil Geography and its relevance to pedology; factors of soil formation, soil formation process, soil profile, soil properties, soil: characteristics and genetic classification, soil degradation, soil erosion and conservation of soil; physical and chemical properties of soils, classification of soils and soil management.

**4. GENERAL OBJECTIVES OF THE COURSE/ PAPER/:**

(As applicable to the Degree /Subject- Paper concerned)

- i) Students should know soil geography which is the fundamental branch of Physical Geography.
- ii) To familiarize the students with the basics and fundamental concepts of soil geography.
- iii) With this study, students understand soil is key resource for the development of any country.

- iv) Students are aware about process of soil formation and development as well as soil properties.
- v) Students should know classification, characteristics and distribution of soils.
- vi) Students should know the concepts related to soil degradation and erosion, causes and controlling factors of soil erosion, conservation of soils.
- vii) Students should know the concept, need and methods soil of management.

**5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be Semester.

**7. FEE STRUCTURE :-**

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

**8. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

**9. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

**10. STRUCTURE OF COURSE = 50 marks**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**SEMESTER FOURTH**

<b>Paper No.</b>	<b>Title Marks</b>
<b>Course / Paper - III, Soil Geography</b>	<b>50</b>

**11. SCHEME OF TEACHING:**

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week	Examination Scheme Sr. (Marks)
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		L	T	P	Total	Theory	Practical	Total
1	Soil Geography	04	04	-	04	50	-	50

**12. SCHEME OF EXAMINATION:**

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**13. STANDARD OF PASSING:**

As per Prescribed rules and regulation for each degree / programme.

**14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:**

Common Nature of Paper as per Social Sciences Faculty

**15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Soil Geography	III	Soil Geography	III

**16. SPECIAL INSTRUCTIONS, IF ANY – Nil**

**NEW/REVISED SYLLABUS FOR  
B. A. Part-II Geography  
(Introduced from June 2019 onwards)  
Semester - III**

(i) Course / Paper No. III

(ii) Title of Paper: - SOIL GEOGRAPHY

(iii) Specific Objectives: - -----

(iv) A brief note: - (On expected level of study from examination and assessment point of view):- -----

Module	Teaching Hours	Credits
<b>Module I: Basics of Soil Geography</b>	<b>12 Lectures</b>	<b>01</b>
1.1 Definition, Nature and Scope of Soil Geography		
1.2 History of Soil Geography and Pedology		
1.3 Significance of Soil Geography		
<b>Module II: Soils: Formation and Properties</b>	<b>18 Lectures</b>	<b>01</b>
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 <sup>H</sup> , Organic Matter, NPK (Nitrogen, Phosphorous and Potassium).		
<b>Module III: Soils: Classifications and Distribution</b>	<b>18 Lectures</b>	<b>01</b>
3.1 Genetic Classification of Soils.		
3.2 Soil Characteristics and Major Soils Distribution in Maharashtra.		
3.3 Soil Degradation: Concept, Causes, Consequences and Measures		
<b>Module IV: Practical (Theory Only)</b>	<b>12 Lectures</b>	<b>01</b>
4.1 Soil Profile		
4.2 Soil Sample: Tools		
4.3 Soil Analysis: Saline and Alkaline		
4.4 Vermicompost Process		

**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. Chairas, D. D., Reganold, J. P., and Owen, O. S., (2002): National Resource Conservation and Management for a Sustainable Feture, 8<sup>th</sup> edition, Prentice Hall, Englewood Cliffs.
5. Clarke G.R.(1957) Study of the Soil in the Field, Oxford University Press, Oxford.
6. Daji, J. A., (1970): A Text Book of Soil Science, Asia Publishing House, Londaon.
7. Foth H.D. and Turk, L.M.(9172) Fundamentals of Soil science, John Wiley, New York.
8. Govinda Rajan, S.V. and Gopala Rao, H.G.(9178) Studies on Soils of India Vikas, New Delhi.
9. Mathur Neeru, (2012): Soils, Rajat Publications, New Delhi-02 (India).
10. Mc. Bride, M.B.(1999)Environmental Chemistry of Soils, Oxford University Press, New York.
11. Morgan, R. P. C., (1995): Soil Erosion and Conservation, 2<sup>nd</sup> edition, Longman, London.
12. Nye, P.H. and Greene, D.J.(1960)The Soil under Shifting Cultivation Commonwealth Bureau of Soil Science, Technical Communication, No. 51; Harpender, England.
13. Plaster, E. J., (2009): Soil Science and Management, Cengage Learning, Boston.
14. Raychoudhuri, S.P., (1958): Soils of India, ICAR, New Delhi.
15. Russell, Sir Edward J.:(1961) Soil Conditions and Plant Growth, Wiley, New York.
16. Sarkar, D., (2003): Fundamentals and Applications of Pedology, Kalyani Publishers, New Delhi.
17. Sehgal, J., (1996): Pedology: Concepts and Applications, Kalyani Publishers, New Delhi.
18. खतिव के. ए., (२०१४): मुदा भूगोल, संजोग प्रकाशन, कदमवाडी, कोल्हापूर-०३.

**A- Accredited By NAAC**

**Revised Syllabus For**

**Bachelor of Arts**

**Geography**

**Resource Geography**

(Subject to the modifications to be made from time to time)

**Syllabus to be implemented from June 2019 onwards.**

**Accredited By NAAC  
With 'A' Grade  
New/Revised Syllabus For  
Bachelor/Master of**

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B. A. Part - II  
DSC (Discipline Specific Core Course) Geography (Course / Paper No. IV)  
Semester - III  
June 2019 onwards

**A] Ordinance and Regulations:-**

(As applicable to degree/program)

**B] Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of -Arts.**

**1. TITLE: Subject – RESOURCE GEOGRAPHY**

**Optional/Compulsory/Additional/IDS under the Faculty of Science**

**2. YEAR OF IMPLEMENTATION:** - New/Revised Syllabi will be implemented from June 2019 onwards.

**3. PREAMBLE:-**

Resource Geography is a major and developing branch of Economic Geography. The world countries are trying to make overall development with blindly utilizing different resources. The growing population exerts its pressure on present resources which generates various problems in front of countryside. The present syllabus of this paper includes Definition, Scope, concept, classification and significance of Resource Geography. It also includes major resources such as water, forest, energy and human resources with its distribution, utilization and problems. Newly evolved concept sustainable development is also studied with said resources. This paper (Resource Geography) will be helpful to the students of B. A. part-II to think over resources for their and next generations features.

**4. GENERAL OBJECTIVES OF THE COURSE/ PAPER:**

- To understand the concept and classification of Resources.
- To examine the major resources (water, forest, energy and human) with their distribution, utilization and problems.
- To study the sustainable resource development.
- The course also aims to familiarize the students with cartographic techniques.

**5. DURATION**

- The course shall be a full time course.



- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be Semester

**7. FEE STRUCTURE:-**

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

**8. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

**9. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

**10. STRUCTURE OF COURSE = 50 marks**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**SEMESTER FOURTH**

<b>Paper No.</b>	<b>Title Marks</b>
<b>Course / Paper - IV, Resource Geography</b>	<b>50</b>

**11. SCHEME OF TEACHING:**

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	Practical	Total
1	Resource Geography	04	04	-	04	50	-	50

**12. SCHEME OF EXAMINATION:**

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**13. STANDARD OF PASSING:**

As per Prescribed rules and regulation for each degree / programme.

**14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:**

Common Nature of Paper as per Social Sciences Faculty

**15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Human Geography	IV	Resource Geography	IV

**16. SPECIAL INSTRUCTIONS, IF ANY – Nil**

NEW/REVISED SYLLABUS FOR  
**B. A. Part – II, DSC Geography**  
**(Introduced from June 2019 onwards)**  
**Semester - III**

- (i) **Course / Paper No. IV**  
(ii) **Title of Paper: Resource Geography**  
(iii) **Specific Objectives:-**  
(iv) **A brief note:- (On expected level of study from examination and assessment point of view) :- ----**

<b>Module</b>	<b>Teaching Hours</b>	<b>Credits</b>
<b>Module I: Introduction to Resource Geography</b>	<b>10 Lectures</b>	<b>01</b>
1.1 Definition and Scope of Resource Geography		
1.2 Resource: Concept and Classification		
1.3 Importance of Resource Geography		
<b>Module II: Major Resources</b>	<b>20 Lectures</b>	<b>01</b>
2.1 Water Resources: Distribution, Utilization and Problems		
2.2 Forest Resources: Distribution, Utilization and Problems		
2.3 Energy Resources: Distribution, Utilization and Problems		
2.4 Human Resources: Distribution, Utilization and Problems		
<b>Module III: Sustainable Resource Development</b>	<b>18 Lectures</b>	<b>01</b>
3.1 Concept of Sustainable Resource Development		
3.2 Sustainable Natural Resource Development: Water, Forest and Energy		
3.3 Sustainable Human Resource Development		
<b>Module IV: Practical (Theory Only)</b>	<b>12 Lectures</b>	<b>01</b>
4.1 Proportional Circle		
4.2 Choropleth Map		
4.3 Dot Map		
4.4 Isopleth Map		

**References :**

1. Cutter S. N., Renwick H. L., and Renwick W., (1991): Exploitation, Conservation, Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons, New York.

2. Gadgil M. and Guha R., (2005): The use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press, USA.
3. Holechek J. L. C., Richard A., Fisher J. T. and Valdez R., (2003): Natural Resources: Ecology, Economics and Policy, Prentice Hall, New Jersey.
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6. Mather A. S. and Chapman K., (1995): Environmental Resources, John Wiley and Sons, New York.
7. Mitchell B., (1997): Resource and Environmental Management, Longman Harlow, England..
8. Owen S. and Owen P. L., (1991): Environment, Resources and Conservation, Cambridge University Press, New York.
9. Rees J., (1990) Natural Resources: Allocation, Economics and Policy, Routledge, London.
10. Zrlu Senyucel, Managing the Human Resource in the 21<sup>st</sup> Century.
11. George W., B., and Scolt, (2013): Principles of Human Resource Management, Cengage.
12. Chiras, D.D., Reganold, J.P. 2009. Natural Resource Conservation: Management for a Sustainable Future, 10th ed, Pearson.
13. Gregory, D., Johnston, R., Pratt, G., Watts, M., Whatmore, S. (Eds) 2009. The Dictionary of Human Geography, 5th ed, Wiley.
14. Mather, A.S., Chapman, K. 1995. Environmental Resources, John Wiley and Sons.

# SHIVAJI UNIVERSITY, KOLHAPUR



Accredited By NAAC with 'A' Grade

## CHOICE BASED CREDIT SYSTEM

Syllabus For

B.A. Part - II

Geography

(Syllabus to be implemented from June, 2019 onwards.)

B. A. Part - II  
DSC (Discipline Specific Core Course) Geography (Course / Paper –V)  
Semester - IV  
June 2019 onwards

**A] Ordinance and Regulations:- (As applicable to degree/program)**

**B] Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of—Arts.**

**1. TITLE: Subject – OCEANOGRAPHY**

**Optional under the Faculty of Science**

**2. YEAR OF IMPLEMENTATION:** - New/Revised Syllabi will be implemented from June 2019 onwards.

**3. PREAMBLE:-**

Oceanography which is the most important and comparatively neglected branch of Physical Geography has been introduced to B.A. Part II. In this course the fundamental as well basic concepts and knowledge of oceanography have been included. The present syllabus of this course includes definition nature, scope, history and significance of Oceanography and its relevance to the earth and atmospheric sciences; properties and dynamics of oceanic water, Oceanic currents and their influence and applied oceanography.

**4. GENERAL OBJECTIVES OF THE COURSE/ PAPER**

- i) Students should know oceanography is the fundamental branch of Physical Geography.
- ii) To familiarize the students with the basic and fundamental concepts of oceanography.
- iii) With this study, students understand marine is key resource for the development of any country.
- iv) Students should know physical and chemical properties of oceans.
- v) Students should know types of oceanic currents and currents of Atlantic, Pacific and Indian oceans.
- vi) Students should know hypsographic curve, wind rose, iso-salinity lines and isotherms.

**5. DURATION**

- The course shall be a full time course.
- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be Semester.

**7. FEE STRUCTURE :-**

As per Government /University rules

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)]

**9. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying (i.e. Entrance Examination) examination, if any.

**10. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. (as applicable to the Course / programme concerned.)

**11. STRUCTURE OF COURSE – 50 Marks**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	Practical	Total
1	Oceanography	04	04	-	04	50	-	50

**12. SCHEME OF TEACHING AND EXAMINATION:-**

[The scheme of teaching and examination should be given as applicable to the course / paper concerned.]

**SECOND YEAR / SEMESTER – IV**

Scheme of Teaching and Examination

**13. SCHEME OF EXAMINATION:-**

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course)
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**14. STANDARD OF PASSING:-**

[As Prescribed under rules & regulation for each degree/programme.]

**15. NATURE OF QUESTION PAPER**

NATURE OF QUESTION PAPER AND SCHEME OF MARKING:-

Common Nature of Paper as per Social Sciences Faculty

**16. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS - (FOR REVISED SYLLABUS)**

Sr. No.	Title of Old paper	Old Paper No.	Title of New Paper	New Paper No.
1.	Oceanography	V	Oceanography	V



**NEW/REVISED SYLLABUS FOR  
B. A. ( Part II ) Geography  
(Introduced from June 2019 onwards)  
Semester - IV**

**(i) Course / Paper No. V**

**(ii) Title of Paper :- OCEANOGRAPHY**

**(iii) Specific Objectives:- -----**

**(iv) A brief note :- ( On expected level of study from examination and assessment point of view):- -----**

<b>Module</b>	<b>Teaching Hours</b>	<b>Credits</b>
<b>1.0 Introduction to Oceanography</b>	<b>15 Lectures</b>	<b>01</b>
1.1 Definition, Nature and Scope of Oceanography		
1.2 Oceanography and Physical Sciences		
1.3 Branches of Oceanography		
1.4 Significance of Oceanography		
<b>2.0 Properties and Dynamics of Ocean</b>	<b>15 Lectures</b>	<b>01</b>
2.1 Oceanic Temperature: Factors affecting on ocean temperature and Distribution of oceanic temperature		
2.2 Salinity of Ocean: Factors affecting on Oceanic salinity and Horizontal distribution of oceanic salinity		
2.3 Oceanic Currents: Types of Oceanic currents, Responsible factors for origin of ocean currents and Ocean currents of the Pacific, Atlantic and Indian Ocean		
<b>3.0 Applied Oceanography</b>	<b>15 Lectures</b>	<b>01</b>
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		
<b>4.0 Practical's (Theory Only)</b>	<b>15 Lectures</b>	<b>01</b>
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 .
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7. Shepard, F.P.(1948) *Submarine Geology*, Harper & Sons, New York.
8. Thurman, H.B.(1984) *Introductory Oceanography*, Charles Webber E. Merrill Publishing Co.
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11. Duxbury, C.A and Duxbury B.(1996) *An Introduction to the world’s Oceans - C.Brown. Iowa ,2nd ed.*
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13. Gross, M.Gran (1987) *Oceanography: A View of the Earth* , Prantice - Hall Inc. New Jersey.
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

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- १९ .प्रा. देशमुख , सावरकर, भेंडकर (२००५): हवामानशास्त्र व सागरशास्त्र , विद्या प्रकाशन, नागपूर.
२०. पाध्ये अशोक (१९९८): सागरविज्ञान , नशनल बुक टष्ट इंडिया , नवी दिल्ली.
२१. घारपुरे , पवार (१९९८): सागरविज्ञान, पिंपळापुरे अंड कं. पब्लिशर्स , नागपूर.
२२. सवदी , कोळेकर (२००४): हवामानशास्त्र व सागरशास्त्र , निराली प्रकाशन , पुणे.
- २३ . श्री. दाते व सौ. दाते (१९७०): प्राकृतिक भूगोल , रावील पब्लिकेशन, सातारा.
२४. जाधव बी. एस., जाधव के. आर., पाटील ए. बी., (२०१४): सागरशास्त्र , नाग नालंदा प्रकाशन, इस्लामपूर .
२५. कोलते, पुराणिक कुबडे (१९९०) : हवामानशास्त्र व सागरविज्ञान, विद्या प्रकाशन, नागपूर.

# SHIVAJI UNIVERSITY, KOLHAPUR



Accredited By NAAC with 'A' Grade

## CHOICE BASED CREDIT SYSTEM

Syllabus For

B.A. Part - II

Geography

(Syllabus to be implemented from June, 2019 onwards.)

**Accredited By NAAC  
With 'A' Grade  
New/Revised Syllabus For  
Bachelor/Master of**

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B. A. Part - II  
DSC (Discipline Specific Core Course) Geography (Course / Paper No. VI)  
Semester - IV  
June 2019 onwards

**A] Ordinance and Regulations:-**

(As applicable to degree/program)

**B] Shivaji University, Kolhapur**

New/Revised Syllabus For **Bachelor of -Arts.**

**1. TITLE: Subject – AGRICULTURAL GEOGRAPHY**

**Optional/Compulsory/Additional/IDS under the Faculty of Science**

**2. YEAR OF IMPLEMENTATION:** - New/Revised Syllabi will be implemented from June 2019 onwards.

**3. PREAMBLE:-**

Agricultural Geography is a major and developed branch of Economic Geography. Being a dominant economic activity it has a great importance in the developing world. The present syllabus of this paper includes Definition, Nature, Scope and significance of Agricultural Geography. It also includes determinants of Agriculture and Agricultural systems of the world. Agricultural regionalization, Green revolution and the modern technology used in agriculture are also of vital importance. To provide a strong theoretical base, models and theories of agricultural land use theories of Von Thune's is also incorporated. This paper of Agricultural Geography will be helpful to the students of B. A. Part-II to sustainable agricultural development.

**4. GENERAL OBJECTIVES OF THE COURSE/ PAPER:**

- To understand the concept and development of Agriculture.
- To examine the role of agricultural determinants towards the changing cropping pattern.
- To study the Green Revolution.
- The course also aims to familiarize the students with the Agricultural concepts and modern technologies used in Agriculture.

**5. DURATION**

- **The course shall be a full time course.**

- The duration of course shall be of Three years, as applicable to the respective degree.

**6. PATTERN:-**

Pattern of Examination will be Semester

**7. FEE STRUCTURE:-**

As per Government /University rules.

[Note: - In case of any New degree/Program started at university/college, the respective colleges/ Dept. should submit a separate proposal of fee structure to BOS office. (i. e. Tution Fee & Laboratory Fee, if any.)

**8. ELIGIBILITY FOR ADMISSION:-**

As per eligibility criteria prescribed for respective degree program and the merit in the qualifying examination (i.e. Entrance Examination), if any.

**9. MEDIUM OF INSTRUCTION:**

The medium of instruction shall be in English or Marathi. (as applicable to the course / programme concerned.)

**10. STRUCTURE OF COURSE = 50 marks**

(Note – The structure & title of papers of the degree as a whole should be submitted at the time of submission/revision of first year syllabus.)

**SEMESTER FOURTH**

Paper No.	Title Marks
Course / Paper VI, Agriculture Geography	50

**11. SCHEME OF TEACHING:**

The scheme of teaching and examination should be given as applicable to the course / paper concerned.

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	Practical	Total
1	Agricultural Geography	04	04	-	04	50	-	50

**12. SCHEME OF EXAMINATION:**

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 50 marks (as applicable to the course).
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.
- Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

**13. STANDARD OF PASSING:**

As per Prescribed rules and regulation for each degree / programme.

**14. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:**

Common Nature of Paper as per Social Sciences Faculty

**15. EQUIVALENCE IN ACCORDANCE WITH TITLES AND CONTENTS OF PAPERS- (FOR REVISED SYLLABUS)**

Sr. No.	Title of Old Paper	Old paper No.	Title of New paper	New Paper No.
1	Agricultural Geography	VI	Agricultural Geography	VI

**16. SPECIAL INSTRUCTIONS, IF ANY – Nil**

NEW/REVISED SYLLABUS FOR  
**B. A. Part – II, DSC Geography**  
 (Introduced from June 2019 onwards)  
 Semester - IV

- (i) Course / Paper No. VI  
 (ii) Title of Paper: Agricultural Geography  
 (iii) Specific Objectives:-  
 (iv) A brief note:- (On expected level of study from examination and assessment point of view) :- ----

Module	Teaching Hours	Credits
<b>Module I: Introduction to Agricultural Geography</b>	<b>12 Lectures</b>	<b>01</b>
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 (economic, social, cultural, political and administrative)		
<b>Module II: Agriculture: Systems and Land-use Theory</b>	<b>18 Lectures</b>	<b>01</b>
2.1 Major Agricultural Systems: Nomadic Herding, Livestock Ranching, Sifting Cultivation, Intensive Subsistence Farming, Commercial Farming and Horticulture		
2.1 Von Thunen's Theory of Agricultural land-use		
<b>Module III: Regionalization, Problems and Modern Concepts in Agriculture</b>	<b>18 Lectures</b>	<b>01</b>
3.1 Methods of Agricultural Regionalization: Crop Combination and Crop Diversification		
3.2 Agricultural Problems: Physical and Non-Physical (Economic, Social, Cultural, Political and Administrative)		
3.3 Sustainable Agriculture		
<b>Module IV: Practical (Theory Only)</b>	<b>12 Lectures</b>	<b>01</b>
4.1 Line Graphs		
4.2 Bar Graphs		
4.3 Divided Circle		
4.4 Proportional Square		



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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, 1967.
5. Desai G.N. and Vaidhanathan A : Strategic Issues in Future Growth of Fertilizer Use in India. McMillan Pub., New Delhi, 1998.
6. Gregor, H.P. : Geography of Agriculture. Prentice Hall, New York, 1970
7. Grigg D.B. : The Agricultural Systems of the World. Cambridge University Press, New York, 1974.
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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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