Rayat Shikshan Sanstha's

SADGURU GADAGE MAHARAJ COLLEGE KARAD

Accredited By NAAC with 'A+' Grade

An Autonomous College

(Affiliated Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B.A. II Semester III Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] S. G. M. College, Karad

New/Revised Syllabus forBachelor of -Arts.

1. TITLE: SOIL GEOGRAPHY **Code: NMJ - GEO3**

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: New/Revised Syllabi will be implemented from July, 2024 onwards.

3. PREAMBLE

Soil Geography is subfield of physical geography that focuses on understanding the physical and chemical properties of soil, including its texture, structure, organic matter, and nutrient content, and the relationships between these properties. The subject has been introduced to B. A. Part-II is crucial in various disciplines such as agriculture, ecology, land use planning and environmental management, where understanding the spatial and temporal variability of soil properties is essential for sustainable land use and management. Soil Geography addresses challenges such as soil erosion, soil degradation, and soil pollution, and promotes the conservation and sustainable use of soil resources. Overall, studying Soil Geography helps us comprehend the importance of soil in supporting life and the need to manage and conserve soil resources.

4. GENERAL OBJECTIVES OF THE COURSE

1. To familiarize the students with 'Soil Geography as branch of Physical Geography', including its definition, nature, scope, history, and significance.
2. Enable students to comprehend the factors that influence soil formation.

3. Equip students with knowledge of the physical and chemical properties of soils, such as morphology, texture, structure, water, air, temperature, PH, organic matter, and NPK.
4. Enable students to understand the genetic classification of soils and the distribution of major soils in Maharashtra.
5. Help students to understand soil degradation, its causes, consequences and measures to prevent it.
6. Provide students with practical knowledge of soil profile, soil sample tools, pH analysis.

5. COURSE OUTCOMES

CO1: Relating to Knowledge

I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Soil Geography, as well as its history and pedology.
II. Students will be able to explain the significance of Soil Geography in various fields, including agriculture, ecology, land use planning, and environmental management.
III. Students will have a thorough understanding of the factors that influence soil formation and the physical and chemical properties of soils.

CO2: Understanding and application

I. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.
II. Students will be able to apply the knowledge of physical and chemical properties of soils in real-world scenarios, such as soil management and conservation.
III. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

CO3: Students Skills

I. By the end of the course, students will have developed practical skills related to soil profile and soil sample tools.
II. Students will have gained practical knowledge of pH and NPK soil analysis.
III. Students will be able to use GIS for studying soil ecology and planning.
IV. Student will start up soil test laboratory.

CO4: Students Evaluation

I. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Soil Geography.

II. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.

III. Students will be evaluated on their practical skills related to soil profile, soil sample tools, soil analysis.

6. DURATION

The duration of the B.A. Geography Program shall extend over 6/8 semesters (three/four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

7. PATTERN:

Pattern of Examination will be Semester.

8. 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. Tuition Fee & Laboratory Fee, if any.)

9. 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.

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 - 100 MARKS (80 + 20)

(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 THIRD

Paper No. III	Title Marks
NMJ - GEO3, Soil Geography	100

12. SCHEME OF TEACHING

The scheme of teaching and examination should be given as applicable to the course / paper concerned(Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Soil Geography	04	04	-	04	80	20	100

13. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 80 marks (as applicable to the course)
- The Theory paper shall carry internal 20 marks for 'CCE'.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 100 marks.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 32 out of 80 marks required in University examination and internal (CCE) 08 out of 20 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (80 Marks):

Q. 1: Multiple Choose Question (10)

Q. 2: One Sentence Answer (10)

Q. 3: Short Answer - 6 out of 4 (20)

Q. 4: Write Long Answers - 2 (20)

Q. 5: Short Notes - 6 out of 4 (20)

Internal Evaluation (CCE) 20 Marks

NEW/REVISED SYLLABUS FOR

B. A.Part-II

(Introduced from June, 2024 onwards)

(Course / Paper No. III)

Geography (Soil Geography) - NMJ GEO3

Semester -III

Module	**Teaching Hours**	**Credits**
Module I: Introduction To Soil Geography	15	01
1.1 Meaning and Definition of Soil Geography 1.2 Nature and Scope of Soil Geography 1.3 Relationship of Soil Geography with Pedology. 1.4 Significance of Soil Geography		
Module II:Formation and Properties of Soil	15	01
2.1 Jenny's Factorial Model of Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor. 2.2 Soil Profile 2.3 Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature. 2.4 Chemical Properties of Soils: pH, Organic Matter, NPK (Nitrogen, Phosphorous and Potassium).		
Module III: Soils: Classifications and Distribution	15	01
3.1 Genetic Classification of Soils 3.2 Characteristics and Distribution of Soils in India 3.3 Soil Degradation: Concept, Causes, and affecting factors 3.4 Concept of Soil Conservation and Management		
Module IV: Practical (Theory Only)	15	01
4.1 Soil Sampling 4.2 Soil testing - pH, Saline and Alkaline 4.3 Sample of soil testing report 4.4 Vermicomposting 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, 8th 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. GovindaRajan, S.V. and Gopala Rao, H.G.(9178) Studies on Soils of India Vikas, New Delhi.
9. MathurNeeru, (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, 2nd 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.

Rayat Shikshan Sanstha's
SADGURU GADAGE MAHARAJ COLLEGE KARAD
Accredited By NAAC with 'A+' Grade
An Autonomous College
(Affiliated Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B. A. / Semester III Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

A] **Ordinance and Regulations: -**

(As applicable to degree/program)

B] S. G. M. College, Karad

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

1. TITLE: RESOURCE GEOGRAPHY Code: **NMJ - GEO4**

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. **YEAR OF IMPLEMENTATION**: New/Revised Syllabi will be implemented from June, 2024 onwards.

3. PREAMBLE: -

Resource Geography is a major developing branch of Economic Geography. All countries in the world should try to make overall development with sustainable utilization of resources. Since, the growing population exerts its pressure on present resources which generates various problems in front of countryside. The present syllabus of this paper helps to inculcate moral values and environmental sustainability of resources. It also includes major resources such as water, forest, energy and human resources with its distribution, utilization and problems at world level and with special reference India.

This paper (Resource Geography) will be helpful to the students of B. A. part-II to think over the problems of resources for their and next generations future.

4. GENERAL OBJECTIVES OF THE COURSE:

1. To familiarize the students with 'Resource Geography' as a branch of Economic Geography, by understanding its definitions, scope.
2. To make students understand the concept and classification of Resources.
3. Enable students to comprehend the worldwide major resources(water, forest, energy and human) with their distribution, utilization and problems.
4. To make students learn the major resources and its management in India (water, forest, energy and human) with their distribution, utilization and problems.
5. Equip students with knowledge of the Sustainable Natural and Human Resource Development and its management at national as well as international level.
6. The course also aims to familiarize the students with cartographic techniques.

5. COURSE OUTCOMES

CO1: Relating to Knowledge

I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Resource Geography.

II. Students will be able to explain the significance of Resource Geography in various fields, including agriculture, industry, transportation, and environmental management.

III. Students will have a thorough understanding aboutthe distribution, utilization and problemsof worldwide major resources.

CO2: Understanding and application

I. Students will be able to comprehendthe sustainable resource development

II. Students will be able to apply the knowledge of resource geography in real-world scenarios, such as management and conservation of resources.

III. Students will be able to the classify of resources based on their characteristics and their worldwide distribution.

VI. By the end of the course, Students will have gained knowledge of worldwide resource availability, its problems like scarcity, pollution etc. and will be able to imply measures to overcome these problems.

CO3: Students Skills

II. Students will be able to understand for the need of sustainable resource development and skills of resource management.

III. Student will be able to develop the cartographic skills.

CO4: Students Evaluation

II. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Resource Geography.

III. Students will be evaluated based on their ability to apply their knowledge of problems of resource availability, its management and sustainable resource development in practical scenarios.

IV. Students will be evaluated on their practical skills related to cartographic skills.

6. DURATION:

The duration of the B.A./B.Sc. Geography Program shall extend over 6/8 semesters (three/four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester

7. PATTERN:

Pattern of Examination will be Semester.

8. 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 toBOS office. (i. e. Tuition Fee & Laboratory Fee, if any.]

9. 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.

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 = 100 MARKS (80 + 20)

(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 THIRD

Paper No. IV	Title	Marks
NMJ - GEO4	Resource Geography	100

12. SCHEME OF TEACHING:

The scheme of teaching and examination should be given as applicable to the course / paper concerned (Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				**Examination Scheme Sr. (Marks)**		
		L	T	P	Total	Theory	CCE	Total
1	Resource Geography	04	04	-	04	80	20	100

13. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 80 marks (as applicable to the course)
- The Theory paper shall carry internal 20 marks for 'CCE'.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 100 marks.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / Programme. Separate passing marks required in examinations. The minimum 32 out of 80 marks required in University examination and internal (Group Activity) 08 out of 20 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (80 Marks):

Q. 1: Multiple Choose Question (10)

Q. 2: One Sentence Answer (10)

Q. 3: Short Answer - 6 out of 4 (20)

Q. 4: Write Long Answers - 2 (20)

Q. 5: Short Notes - 6 out of 4 (20)

Internal Evaluation (CCE) 20 Marks

NEW/REVISED SYLLABUS FOR

B. A.Part-II

(Introduced from June, 2024 onwards)

(Paper No. IV)

Geography (Resource Geography) NMJ - GEO 4

Semester – III

Module	Teaching Hours	Credits
Module I: Introduction to Resource Geography	**15 Lectures**	**01**
1.1 Definition and Meaning of Resource Geography 1.2 Nature and scope of Resource Geography 1.3 Approaches to study the Resource Geography 1.4 Importance of Resource Geography		
Module II: Major Resources	**15 Lectures**	**01**
2.1 Resource: Concept and Classification 2.2 Water Resources: Distribution, Utilization and Problems 2.3 Forest Resources: Distribution, Utilization and Problems 2.4 Human Resources: Distribution, Utilization and Problems		
Module III: Sustainable Resource Development	**15 Lectures**	**01**
3.1 Concept of Sustainable Resource Development 3.2 Sustainable Water Resource Development 3.3 Sustainable Forest Resource Development 3.4 Sustainable Human Resource Development		
Module IV: Practical (Theory Only)	**15 Lectures**	**01**
4.1 Divided Circle 4.2 Choropleth Map 4.3 Dot Map 4.4 Water Quality Inde□		

References :

1. Cutter S. N., Renwich H. L., and Renwick W., (1991): Exploitation, Coservation, 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.
4. Jones G. and Hollier G., (1997): Resources, Society and Environmental Management, Paul Chapman, London.
5. Klee G., (1991): Conservation of Natural Resources, Prentice Hall, Englewood.
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.

৯০ Zrlu Senyucel, Managing the Human Resource in the 21st Century.

৯৯ 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.

Rayat Shikshan Sanstha's

SADGURU GADAGE MAHARAJ COLLEGE KARAD

Accredited By NAAC with 'A+' Grade

An Autonomous College

(Affiliated Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B.A. II Semester III Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] S. G. M. College, Karad

New/Revised Syllabus forBachelor of -Arts.

1. TITLE: SOIL GEOGRAPHY **Code: NMN - GEO3**

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: New/Revised Syllabi will be implemented from July, 2024 onwards.

3. PREAMBLE

Soil Geography is subfield of physical geography that focuses on understanding the physical and chemical properties of soil, including its texture, structure, organic matter, and nutrient content, and the relationships between these properties. The subject has been introduced to B. A. Part-II is crucial in various disciplines such as agriculture, ecology, land use planning and environmental management, where understanding the spatial and temporal variability of soil properties is essential for sustainable land use and management. Soil Geography addresses challenges such as soil erosion, soil degradation, and soil pollution, and promotes the conservation and sustainable use of soil resources. Overall, studying Soil Geography helps us comprehend the importance of soil in supporting life and the need to manage and conserve soil resources.

4. GENERAL OBJECTIVES OF THE COURSE

1. To familiarize the students with 'Soil Geography as branch of Physical Geography', including its definition, nature, scope, history, and significance.
2. Enable students to comprehend the factors that influence soil formation.

3. Equip students with knowledge of the physical and chemical properties of soils, such as morphology, texture, structure, water, air, temperature, PH, organic matter, and NPK.
4. Enable students to understand the genetic classification of soils and the distribution of major soils in Maharashtra.
5. Help students to understand soil degradation, its causes, consequences and measures to prevent it.
6. Provide students with practical knowledge of soil profile, soil sample tools, pH analysis.

5. COURSE OUTCOMES

CO1: Relating to Knowledge

I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Soil Geography, as well as its history and pedology.
II. Students will be able to explain the significance of Soil Geography in various fields, including agriculture, ecology, land use planning, and environmental management.
III. Students will have a thorough understanding of the factors that influence soil formation and the physical and chemical properties of soils.

CO2: Understanding and application

I. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.
II. Students will be able to apply the knowledge of physical and chemical properties of soils in real-world scenarios, such as soil management and conservation.
III. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

CO3: Students Skills

I. By the end of the course, students will have developed practical skills related to soil profile and soil sample tools.
II. Students will have gained practical knowledge of pH and NPK soil analysis.
III. Students will be able to use GIS for studying soil ecology and planning.
IV. Student will start up soil test laboratory.

CO4: Students Evaluation

I. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Soil Geography.

II. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.

III. Students will be evaluated on their practical skills related to soil profile, soil sample tools, soil analysis.

6. DURATION

The duration of the B.A. Geography Program shall extend over 6/8 semesters (three/four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

7. PATTERN:

Pattern of Examination will be Semester.

8. 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. Tuition Fee & Laboratory Fee, if any.)

9. 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.

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 - 100 MARKS (80 + 20)

(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 THIRD

Paper No. III	Title Marks
NMN - GEO3 Soil Geography	100

12. SCHEME OF TEACHING

The scheme of teaching and examination should be given as applicable to the course / paper concerned(Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Soil Geography	04	04	-	04	80	20	100

13. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 80 marks (as applicable to the course)
- The Theory paper shall carry internal 20 marks for 'CCE'.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 100 marks.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 32 out of 80 marks required in University examination and internal (CCE) 08 out of 20 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (80 Marks):

Q. 1: Multiple Choose Question (10)

Q. 2: One Sentence Answer (10)

Q. 3: Short Answer - 6 out of 4 (20)

Q. 4: Write Long Answers - 2 (20)

Q. 5: Short Notes - 6 out of 4 (20)

Internal Evaluation (CCE) 20 Marks

NEW/REVISED SYLLABUS FOR

B. A.Part-II

(Introduced from June, 2024 onwards)

(Course / Paper No. III)

Geography (Soil Geography) - NMN - GEO3

Semester -III

Module	**Teaching Hours**	**Credits**
Module I: Introduction To Soil Geography	15	01
1.1 Meaning and Definition of Soil Geography 1.2 Nature and Scope of Soil Geography 1.3 Relationship of Soil Geography with Pedology. 1.4 Significance of Soil Geography		
Module II:Formation and Properties of Soil	15	01
2.1 Jenny's Factorial Model of Soil Formation: Parent Material, Biotic, Climatic, Relief and Time factor. 2.2 Soil Profile 2.3 Physical Properties of Soils: Morphology, Texture, Structure, Water, Air and Temperature. 2.4 Chemical Properties of Soils: pH, Organic Matter, NPK (Nitrogen, Phosphorous and Potassium).		
Module III: Soils: Classifications and Distribution	15	01
3.1 Genetic Classification of Soils 3.2 Characteristics and Distribution of Soils in India 3.3 Soil Degradation: Concept, Causes, and affecting factors 3.4 Concept of Soil Conservation and Management		
Module IV: Practical (Theory Only)	15	01
4.1 Soil Sampling 4.2 Soil testing - pH, Saline and Alkaline 4.3 Sample of soil testing report 4.4 Vermicomposting 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, 8th 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. GovindaRajan, S.V. and Gopala Rao, H.G.(9178) Studies on Soils of India Vikas, New Delhi.
9. MathurNeeru, (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, 2nd 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.

Rayat Shikshan Sanstha's
SADGURU GADAGE MAHARAJ COLLEGE KARAD
Accredited By NAAC with 'A+' Grade
An Autonomous College
(Affiliated to Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B. A. II Semester III Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] **S. G. M. College, Karad**

New/Revised Syllabus For Bachelor of -Arts.

1. TITLE: Concepts of Tourism Geography **Code: N**OE-GOT1

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: New/Revised Syllabi will be implemented from June, 2024 onwards

3. PREAMBLE:

The paper "Concepts of Tourism Geography" offers students a comprehensive exploration of the fundamental concepts and principles in the field of tourism geography. This paper aims to provide students with a solid foundation of knowledge and skills necessary to understand the various aspects of tourism geography and its practical applications. Through a series of modules, students will gain insights into the introductory concepts, classification systems, impacts, use of computer technologies, and data collection techniques in tourism geography. By the end of this paper, students will have a well-rounded understanding of the key components and dynamics of tourism geography, allowing them to critically analyze tourism trends, assess its impacts, and contribute to sustainable development in the tourism industry.

4. Course Objectives:

1. To understand the fundamental concepts and definitions of tourism and tourist and along with explore the nature and scope of tourism geography as a multidisciplinary field.
2. To identify the components of tourism and their interrelationships and analyze recent trends in the industry.
3. To understand the principles of sustainable development in tourism.

5. Course Outcomes:

Upon completion of this course, students will be able to:

PO1: **Relating to Knowledge:**

1. Students will be demonstrated a comprehensive understanding of the definition of tourism and tourist and knowledge of the nature and scope of tourism geography.
2. Students will be able to identify and describe the components of tourism and their interrelationships.
3. Students will classify tourism based on various criteria and analyze recent trends in the industry.

PO2: **Relating to Understanding and Application:**

Students will apply their understanding of tourism geography concepts to analyze the impacts of tourism on economic, socio-cultural, and environmental aspects.

PO3: **Relating to Students' Skills:**

1. Students will enhance their technological skills in using computer applications for various tasks related to tourism geography.
2. Students will develop practical skills in conducting field surveys, interviews, questionnaires, and sampling techniques for data collection in tourism geography research.
3. Students will improve their communication skills by effectively presenting and conveying information related to tourism geography.
4. Enhance communication and teamwork skills through presentations and group activities.
5. Improve time management and organizational skills.

PO4: **Relating to Students' Evaluation:**

1. Students will be able to critically evaluate the classification of tourism based on different criteria and analyze the recent trends in the tourism industry.
2. Students will develop the skills to evaluate the effectiveness of computer applications in tourism geography and their contribution to sustainable tourism practices.
3. Demonstrate knowledge through assessments.
4. Apply theoretical knowledge to real-world scenarios and case studies.

6. DURATION

The duration of the B.A. Geography Program shall extend over 8 semesters (four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

7. **PATTERN:**

Pattern of Examination will be Semester.

8. 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. Tuition Fee & Laboratory Fee, if any.)

9. 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.

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 (40 + 10)

(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 - III

Paper No.	Title	Marks
NOE –GOT1	Concepts of Tourism Geography	**50**

12. SCHEME OF TEACHING

The scheme of teaching and examination should be given as applicable to the course / paper concerned (Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Concepts of Tourism Geography	04	04	-	04	40	10	50

13. SCHEME OF EXAMINATION:

The examination shall be conducted at the end of each term for semester pattern.

The theory paper shall carry 40 marks (as applicable to the course)

The theory paper shall carry internal 10 marks for 'CCE'.

The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 16 out of 40 marks required in University examination and internal (CCE) 04 out of 10 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (40 Marks):

Q. 1(A): Multiple Choose Question (05)

Q. 1(B): Answer in One Sentence (05)

Q. 2: Write short notes (any Two) (10)

Q. 3: Write short Answer (any Two) (10)

Q. 4: Write detail answers One out of Two (10)

Internal Evaluation 10 Mark

NEW/REVISED SYLLABUS FOR
B. A. Part-II
(Introduced from June, 2024 onwards)
NOE –GOT I (Course / Paper No. I)
Geography (Concepts of Tourism Geography)
Semester –III

Module	Teaching Hours	Credits
Module I: Introduction to Tourism Geography 1.1 Definition of Tourism and Tourist 1.2 Nature & Scope of Tourism Geography 1.3 Significance of Tourism Geography 1.4 Historical development of Tourism	15	1
Module II: Components & Classification of Tourism 2.1Physical Components 2.2 Social – Cultural Components 2.3 Economic Components 2.4 Classification on the basis of Nationality, Time, Number of tourist, Objectives, Transportation, Season and Nature of Tourism.	15	1

Reference Books:

1. Bhatia A.K. : International Tourism
2. Bhatia A.K. : Tourism Development
3. DevManoj : India – A ToruistParedise
4. DharPramnath : Development of Tourism and Travel Industry
5. Gupta V.N. : Tourism in India
6. NegiJagmohan : Tourism Development and ResourceConservation 28
7. Pearce Donglas : Tourism Development
8. Robinson R. : Geography of Tourism
9. Sharma K.C. : Tourism : Policy, Planning stategy.
10. Seth Pran :Enlessful Tourism Manament
11. Sinha P.C. : Tourism Marketing
12. Singh Shawni : Principles of Indian Tourism
13. Singh S.N. : Geography of Tourism and Recreation
14. Singh Ratandeep : Tourism Today Vol. 1
    Tourism Today Vol. 2
    Tourism Today Vol. 3
15. Geography of Tourism – Distance Education Department, Shivaji University, Kolhapur

Rayat Shikshan Sanstha`s

Sadguru Gadage Maharaj College, Karad

(Autonomous)

Department of Geography

B. A. II (SEM-III) Syllabus

(From June 2024 As per NEP- 2020)

Course- **VSC – III - Climate Change**

Course Code: N-SEC3

Module 1. Climate Change Issues

1.1 Meaning and History of Climate Change

1.2 Greenhouse Gas (GHGs) Emission

1.3 Ozone Layer Depletion

1.4 Acid Rain

Module 2. Impact of Climate Change

2.1 Impact of Climate Change on Human Health

2.2 Impact of Climate Change on Environment

2.3 Impact of Climate Change on Agriculture

2.4 Future Effects of Climate Change

Rayat Shikshan Sanstha's

SADGURU GADAGE MAHARAJ COLLEGE KARAD

Accredited By NAAC with 'A+' Grade

An Autonomous College

(Affiliated to Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B. A. Semester IV Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

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

B**] S. G. M. College, Karad**

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

1. TITLE: Subject – Introduction to Oceanography Code: NMJ - GEO5

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: -

New/Revised Syllabi will be implemented from June 2024 onwards.

3. PREAMBLE: -

Oceanography is the most important branch of Physical Geography has been introduced to B.A. Part II. The subject focused on 71% part of earth surface, covered by the ocean and sea. Ocean is reservoir of resources that fulfils the need of living beings. Marine is the key resource for the development of any country. Keeping in this in mind, this course the fundamental 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 a fundamental branch of Physical Geography.

ii) Students will understand the basic and fundamental concepts of oceanography.

iii) Students should know about the physical and chemical properties of oceans.

iv) Students should know the types of oceanic currents

v) Students should know the ocean as food storages as well as storehouse of resources for the future.

vi) With this study of man and ocean students know the impact of man on oceans.

vii) With this study, students will understand marine is key resource for the development of any country.

viii) Students should know hypsographic curve, wind rose, isohaline and isotherms.

5. COURSE OUTCOMES

CO1. Relating to Knowledge:

I. Students will define the nature and scope of oceanography and its connection to physical sciences.

II. Students will identify branches of oceanography and their areas of focus.

III. Students will describe the factors affecting oceanic temperature, salinity, and distribution.

IV. Students will recognize the types of oceanic currents and their origins in different oceans.

V. Students will understand the sources, classification, and significance of oceanic deposits.

VI. Students will explain the role of the ocean as a source of food and potential future resources.

CO2. Understanding and Application:

I. Students will apply knowledge of oceanographic principles to illustrate the maps of ocean and NOAA CDR/ NESDIS sea surface temperature, Annual mean of the sea surface salinity distribution.

II. Students will apply knowledge of causes, effects of ocean pollution and propose solutions.

III. Students will utilize scientific reasoning to understand the relationships between ocean water properties and climate change.

IV. Students will be able to distinguish the various marine movements.

V. Students will apply theoretical knowledge to practical exercises, such as interpreting hypsographic curves, wind roses, isohalines, and isotherms.

CO3. Student Skills:

I. Develop critical thinking skills through the analysis and evaluation of oceanographic concepts.

II. Enhance problem-solving abilities by applying oceanographic principles to real-world situations and to demonstrate the ocean currents.

III. Develop effective communication skills through oral and written presentations of oceanographic topics.

CO4. Student Evaluation:

I. Assess student knowledge and understanding through quizzes, exams, and assignments.

II. Assess the development of critical thinking and problem-solving skills through case studies.

III. Evaluate the effectiveness of student communication skills through oral examination.

6. DURATION

The duration of the B.A Geography Program shall extend over 6/8 semesters (three/four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

7. PATTERN:-

Pattern of Examination will be Semester.

8. 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= 100 MARKS (80+20)

(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 FORTH

Paper No. V	Title Marks
NMJ - GEO5, Oceanography	100

12. SCHEME OF TEACHING AND EXAMINATION:-

The scheme of teaching and examination should be given as applicable to the course / paper concerned (Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Oceanography	04	04	-	04	80	20	100

13. SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The Theory paper shall carry internal 10 marks for 'Case study / Oral Examination'.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.

14. STANDARD OF PASSING:-

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 32 out of 80 marks required in University examination and internal (CCE) 08 out of 20 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (80 Marks):

Q. 1: Multiple Choose Question (10)

Q. 2: One Sentence Answer (10)

Q. 3: Short Answer - 6 out of 4 (20)

Q. 4: Write Long Answers - 2 (20)

Q. 5: Short Notes - 6 out of 4 (20)

Internal Evaluation (CCE) 20 Marks

NEW/REVISED SYLLABUS FOR
B. A. Part-II
(Introduced from June, 2024 onwards)

NMJ - GEO5 (Course / Paper No. V)

Geography (Introduction to Oceanography)

Semester –IV

Module	Teaching Hours	Credit
Module I : Introduction to Oceanography	**15**	**01**
1.1 Definition, Nature and Scope of Oceanography		
1.2 History of Oceanography		
1.3 Relationship of Oceanography with other branches of Earth Sciences		
1.4 Significance of Oceanography		
Module II: Structure of Ocean Floor and Properties	**15**	**01**
2.1 Ocean relief Feature		
2.2 Oceanic Temperature: Daily and Annual Range		
2.3 Factors Affecting on Oceanic Temperature and its distribution		
2.4 Salinity of Oceans and Seas.: Meaning and Concept, Affecting Factors ,Salinity of Inland Seas and Lakes		
Module III: Ocean water movements	**15**	**01**
3.1 Ocean water movements		
3.2 Tides		
3.3 Factors Responsible for Origin of Currents.		
3.4 Oceanic Currents: Currents of the Atlantic, Pacific and Indian Oceans.		
Module IV: Practical Oceanography	**15**	**01**
4.1 Hypsographic Curve		
4.2 Nautical Chart Symbols and Abbreviations		
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., NewYork.
10. Davis.Richard J.A.(1986) "Oceanography - An Introduction to the Marine Environment".Wm. C. Brown lowa.
11. Duxbury, C.A and Duxbury B.(1996) An Introduction to the world's Oceans - C.Brown. Iowa ,2nd ed.
12. Garrison, T.(2001) "Oceanography - An Introduction to Marine Science, Books/Cole, Pacific Grove, USA.
13. Gross, M.Gran (1987) Oceanography: A View of the Earth , Prantice - Hall Inc. New Jersy.
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

18 Weisberg J. and Howard: Introductory Oceanography, McGraw- Hill Book, New York.

19प्रा .देशमुख ,सावरकर ,भेंडकर) २००५ : (हवामानशास्त्र व सागरशास्त्र ,विद्याप्रकाशन ,नागपूर

20 पाध्ये अशोक नवी दिल्ली ,नॅशनल बुक ट्रष्ट इंडिया ,सागर विज्ञान : (१९९८)

21 घारपुरेपब्लीशर्स .पिंपळापुरे अँड कं ,सागर विज्ञान : (१९९८) पवार ,, नागपूर

22 सवदी पुणे ,निराली प्रकाशन ,हवामानशास्त्र व सागरशास्त्र : (२००४) कोळेकर ,

23 श्री सातारा ,रावली पब्लिकेशन ,प्राकृतिक भूगोल : (१९७०) दाते .दाते व सौ .

24. **जाधव बी**. **एस**., **जाधव के**. **आर**., पाटील **ए**. **बी**., (**२०१४**): सागरशास्त्र इस्लामपूर ,नाग नालंदा प्रकाशन ,

Rayat Shikshan Sanstha's

SADGURU GADAGE MAHARAJ COLLEGE KARAD

Accredited By NAAC with 'A+' Grade

An Autonomous College

(Affiliated to Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B. A. Semester IV Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

A] **Ordinance and Regulations:-**

(As applicable to degree/program)

B] S. G. M. College, Karad

New/Revised Syllabus For Bachelor of -Arts.

1. TITLE: AGRICULTURE GEOGRAPHY **Code: NMJ - GEO6**

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: New/Revised Syllabi will be implemented from June, 2024 onwards.

3. PREAMBLE:

Agricultural Geography is an interdisciplinary field of study that combines the principles of geography, agriculture, and ecology to understand the spatial and temporal variations in agricultural systems, their management, and the relationships between agriculture and the environment. This course aims to provide students with an in-depth understanding of the fundamental concepts of agricultural geography, including the evolution of agriculture, major agricultural systems, land-use theories, regionalization, problems, and modern concepts in agriculture. Additionally, the course will cover topics related to food, nutrition, and health, including distribution patterns of food and nutrition, the causes and spatial patterns of hunger, and eradicating hunger. The practical component of this course will focus on developing students' skills in interpreting and presenting agricultural data using various graphical and mapping techniques. This course is designed to equip students with the necessary knowledge and skills to analyze and interpret the spatial patterns and processes of agricultural systems and their relationship to the broader society and environment.

Course Objectives:

1. To understand the nature, scope, and significance of agriculture geography as a discipline and interdisciplinary nature.
2. To explore the historical evolution of agriculture and to identify and evaluate the physical and human determinants that influence agricultural activities.
3. To examine and compare the major agricultural systems
4. To analyze Von Thunen's Theory of Agricultural land-use for its applicability in explaining the spatial organization and patterns of agricultural activities.
5. To study the agricultural regionalization, focusing on crop combination and crop diversification, and understand their implications for agricultural productivity and regional development
6. To study the distribution patterns of food and nutrition, analyze the causes and spatial patterns of hunger.
7. To develop practical skills in interpreting and creating line and bar graphs, divided circles, and proportional squares to represent and analyze agricultural data and its spatial patterns.

Course Outcomes:

PO1: Relating to Knowledge

I. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Agriculture Geography, as well as evolution of agriculture over different periods in history and its impact on society.

II. Students will be able to explain the significance of Agricultural Geography in various fields, including agriculture, ecology, land use planning, and environmental management.

IV. Students will have a thorough understanding of the factors that influence soil formation and the physical and chemical properties of soils.

PO2: Understanding and application

II. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.

VII. Students will be able to apply the knowledge of physical and chemical properties of soils in real-world scenarios, such as soil management and conservation.

IV. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

PO3: Students Skills

IV. By the end of the course, students will have developed practical skills related to soil profile and soil sample tools.

III. Students will have gained practical knowledge of pH and NPK soil analysis.

IV. Students will be able to use GIS for studying soil ecology and planning.

V. Student will start up soil test laboratory.

PO4: Students Evaluation

V. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Soil Geography.

III. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.

IV. Students will be evaluated on their practical skills related to soil profile, soil sample tools, soil analysis.

Upon completion of this course, students will be able to:

1. Explain the nature, scope and significance of agricultural geography and its relationship with other disciplines.
2. Analyze the evolution of agriculture over different periods in history and its impact on society.
3. Identify the physical and human factors that determine agricultural practices and land-use patterns in different regions of the world.
4. Evaluate the major agricultural systems and their suitability in different ecological and socio-economic conditions.
5. Analyze Von Thunen's theory of agricultural land-use and its relevance in modern times.
6. Understand agricultural regionalization and its implications for crop diversification and production.
7. Identify and evaluate the major physical and socio-economic problems affecting agriculture and food security in different regions of the world.
8. Analyze the impact of modern concepts in agriculture, such as the green revolution and organic farming.
9. Understand the distribution pattern of food and nutrition globally and its relationship with hunger and malnutrition.
10. Identify the causes and spatial pattern of hunger and evaluate strategies for its eradication.
11. Understand the relationship between nutrition and health and analyze the major challenges and opportunities for improving nutritional outcomes globally.
12. Apply basic cartographic skills to represent and analyze agricultural data using line and bar graphs, divided circle, proportional square, and choropleth maps.

6. DURATION

The duration of the B.A./B.Sc. Geography Program shall extend over 8 semesters (four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

8. PATTERN:

Pattern of Examination will be Semester.

8. 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. Tuition Fee & Laboratory Fee, if any.)

9. 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.

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 - 100 MARKS (80 + 20)

(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
NMJ - GEO6,	Agriculture Geography	100

12. SCHEME OF TEACHING

The scheme of teaching and examination should be given as applicable to the course / paper concerned (Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Agriculture Geography	04	04	-	04	80	20	100

13. SCHEME OF EXAMINATION:

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 80 marks (as applicable to the course)
- The Theory paper shall carry internal 20 marks for 'CCE'.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 100 marks.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 32 out of 80 marks required in University examination and internal (Group Activity) 08 out of 20 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (80 Marks):

Q. 1: Multiple Choose Question (10)

Q. 2: One Sentence Answer (10)

Q. 3: Short Answer - 6 out of 4 (20)

Q. 4: Write Long Answers - 2 (20)

Q. 5: Short Notes - 6 out of 4 (20)

Internal Evaluation (CCE) 20 Marks

NEW/REVISED SYLLABUS FOR

B. A. Part-II

(Introduced from June, 2024 onwards)

NMJ - GEO6 (Course / Paper No. VI)

Geography (Agriculture Geography)

Semester –IV

Module	Teaching Hours	Credits
Module I: Introduction to Agricultural Geography 1.1 Definition and Meaning 1.2 Nature, Scope and Significance 1.3 Determinants of Agriculture: Physical and Human 1.4 Recent trends in Agricultural Geography	10	01
Module II: Modern Agricultural Systems and Agricultural Problems 2.1 Floriculture 2.2 Horticulture 2.3 Dairy Farming 2.4 Indian Agricultural Problems	15	01
Module III: Landuse Theory Agriculture Regionalization 3.1 Von Thunen's Theory 3.2 Crop Combination 3.3 Crop Diversification 3.4 Sustainable Agriculture	15	01
Module V: Practical (Theory Only) 4.1 Line and Bar Graphs 4.2 Divided Circle 4.3 Proportional Square 4.4 Choropleth Map	15	01

Reference Books:

1. Basu, D.N., and Guha, G.S., 1996: Agro-Climatic Regional Planning in India, Vol.I & II, Concept Publication, New Delhi.
2. Bryant, C.R., Johnston, T.R, 1992: Agriculture in the City Countryside, Belhaven Press, London.
3. Burger, A., 1994: Agriculture of the World, Aldershot, Avebury.
4. Grigg, D.B., 1984: Introduction to Agricultural Geography, Hutchinson, London.
5. Ilbery B. W., 1985: Agricultural Geography: A Social and Economic Analysis, Oxford University Press.
6. Mohammad, N., 1992: New Dimension in Agriculture Geography, Vol. I to VIII, Concept Pub., New Delhi.
7. Roling, N.G., and Wageruters, M.A.E.,(ed.) 1998: Facilitating Sustainable Agriculture, Cambridge University Press, Cambridge.
8. Shafi, M., 2006: Agricultural Geography, Doring Kindersley India Pvt. Ltd., New Delhi
9. Singh, J., and Dhillon, S.S., 1984: Agricultural Geography, Tata McGraw Hill, New Delhi.
10. Tarrant J. R., 1973: Agricultural Geography, David and Charles, Devon.
11. Husain, M., 2021: Agricultural Geography, Rawat Publications, Jaipur
12. Gautam, A.,2021: Agricultural Geography, Sharda Pusatak bhavan, Allahabad

Reference Websites:

https://agricoop.nic.in/en

https://www.india.gov.in/topics/agriculture

https://desagri.gov.in/document-report/agricultural-statistics-at-a-glance-2021/

https://sites.google.com/view/egeography/sem-4/paper-6?authuser=1

Suggested equivalent online courses:

https://onlinecourses.nptel.ac.in/noc23_ag08/preview

https://onlinecourses.swayam2.ac.in/cec23_hs10/preview

https://www.udemy.com/course/modern-farming-techniques/

Rayat Shikshan Sanstha's

SADGURU GADAGE MAHARAJ COLLEGE KARAD

Accredited By NAAC with 'A+' Grade

An Autonomous College

(Affiliated to Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with

Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B. A. Semester IV Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

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

B**] S. G. M. College, Karad**

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

1. TITLE: Subject – Introduction to Oceanography Code: NMN - GEO5

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: -

New/Revised Syllabi will be implemented from June 2024 onwards.

3. PREAMBLE: -

Oceanography is the most important branch of Physical Geography has been introduced to B.A. Part II. The subject focused on 71% part of earth surface, covered by the ocean and sea. Ocean is reservoir of resources that fulfils the need of living beings. Marine is the key resource for the development of any country. Keeping in this in mind, this course the fundamental 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 a fundamental branch of Physical Geography.

ii) Students will understand the basic and fundamental concepts of oceanography.

iii) Students should know about the physical and chemical properties of oceans.

iv) Students should know the types of oceanic currents

v) Students should know the ocean as food storages as well as storehouse of resources for the future.

vi) With this study of man and ocean students know the impact of man on oceans.

vii) With this study, students will understand marine is key resource for the development of any country.

viii) Students should know hypsographic curve, wind rose, isohaline and isotherms.

5. COURSE OUTCOMES

CO1. Relating to Knowledge:

I. Students will define the nature and scope of oceanography and its connection to physical sciences.

II. Students will identify branches of oceanography and their areas of focus.

III. Students will describe the factors affecting oceanic temperature, salinity, and distribution.

IV. Students will recognize the types of oceanic currents and their origins in different oceans.

V. Students will understand the sources, classification, and significance of oceanic deposits.

VI. Students will explain the role of the ocean as a source of food and potential future resources.

CO2. Understanding and Application:

I. Students will apply knowledge of oceanographic principles to illustrate the maps of ocean and NOAA CDR/ NESDIS sea surface temperature, Annual mean of the sea surface salinity distribution.

II. Students will apply knowledge of causes, effects of ocean pollution and propose solutions.

III. Students will utilize scientific reasoning to understand the relationships between ocean water properties and climate change.

IV. Students will be able to distinguish the various marine movements.

V. Students will apply theoretical knowledge to practical exercises, such as interpreting hypsographic curves, wind roses, isohalines, and isotherms.

CO3. Student Skills:

I. Develop critical thinking skills through the analysis and evaluation of oceanographic concepts.

II. Enhance problem-solving abilities by applying oceanographic principles to real-world situations and to demonstrate the ocean currents.

III. Develop effective communication skills through oral and written presentations of oceanographic topics.

CO4. Student Evaluation:

I. Assess student knowledge and understanding through quizzes, exams, and assignments.

II. Assess the development of critical thinking and problem-solving skills through case studies.

III. Evaluate the effectiveness of student communication skills through oral examination.

6. DURATION

The duration of the B.A Geography Program shall extend over 6/8 semesters (three/four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

7. PATTERN:-

Pattern of Examination will be Semester.

8. 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= 100 MARKS (80+20)

(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 FORTH

Paper No. V	Title Marks
NMN - GEO5, Introduction to Oceanography	100

12. SCHEME OF TEACHING AND EXAMINATION:-

The scheme of teaching and examination should be given as applicable to the course / paper concerned (Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Oceanography	04	04	-	04	80	20	100

13. SCHEME OF EXAMINATION:-

- The examination shall be conducted at the end of each term for semester pattern.
- The Theory paper shall carry 40 marks (as applicable to the course)
- The Theory paper shall carry internal 10 marks for 'Case study / Oral Examination'.
- The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.

14. STANDARD OF PASSING:-

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 32 out of 80 marks required in University examination and internal (CCE) 08 out of 20 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (80 Marks):

Q. 1: Multiple Choose Question (10)

Q. 2: One Sentence Answer (10)

Q. 3: Short Answer - 6 out of 4 (20)

Q. 4: Write Long Answers - 2 (20)

Q. 5: Short Notes - 6 out of 4 (20)

Internal Evaluation (CCE) 20 Marks

NEW/REVISED SYLLABUS FOR
B. A. Part-II
(Introduced from June, 2024 onwards)

NMN - GEO5(Course / Paper No. IV)

Geography (Introduction to Oceanography)

Semester –IV

Module	Teaching Hours	Credit
Module I : Introduction to Oceanography	**15**	**01**

1.1 Definition, Nature and Scope of Oceanography

1.2 History of Oceanography

1.3 Relationship of Oceanography with other branches of Earth Sciences

1.4 Significance of Oceanography

Module II: Structure of Ocean Floor and Properties	**15**	**01**

2.1 Ocean relief Feature

2.2 Oceanic Temperature: Daily and Annual Range

2.3 Factors Affecting on Oceanic Temperature and its distribution

2.4 Salinity of Oceans and Seas.: Meaning and Concept, Affecting Factors ,Salinity of Inland Seas and Lakes

Module III: Ocean water movements	**15**	**01**

3.1 Ocean water movements

3.2 Tides

3.3 Factors Responsible for Origin of Currents.

3.4 Oceanic Currents: Currents of the Atlantic, Pacific and Indian Oceans.

Module IV: Practical Oceanography	**15**	**01**

4.1 Hypsographic Curve

4.2 Nautical Chart Symbols and Abbreviations

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., NewYork.
10. Davis.Richard J.A.(1986) "Oceanography - An Introduction to the Marine Environment".Wm. C. Brown lowa.
11. Duxbury, C.A and Duxbury B.(1996) An Introduction to the world's Oceans - C.Brown. Iowa ,2nd ed.
12. Garrison, T.(2001) "Oceanography - An Introduction to Marine Science, Books/Cole, Pacific Grove, USA.
13. Gross, M.Gran (1987) Oceanography: A View of the Earth , Prantice - Hall Inc. New Jersy.
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

18 Weisberg J. and Howard: Introductory Oceanography, McGraw- Hill Book, New York.

19प्रा .देशमुख ,सावरकर ,भेंडकर) २००५ : (हवामानशास्त्र व सागरशास्त्र ,विद्याप्रकाशन ,नागपूर

20 पाध्ये अशोक नवी दिल्ली ,नॅशनल बुक ट्रष्ट इंडिया ,सागर विज्ञान : (१९९८)

21 घारपुरेपब्लीशर्स .पिंपळापुरे अँड कं ,सागर विज्ञान : (१९९८) पवार ,, नागपूर

22 सवदी पुणे ,निराली प्रकाशन ,हवामानशास्त्र व सागरशास्त्र : (२००४) कोळेकर ,

23 श्री सातारा ,रावली पब्लिकेशन ,प्राकृतिक भूगोल : (१९७०) दाते .दाते व सौ .

24. **जाधव बी**. **एस**., **जाधव के**. **आर**., पाटील **ए**. **बी**., (**२०१४**): सागरशास्त्र इस्लामपूर ,नाग नालंदा प्रकाशन ,

Rayat Shikshan Sanstha's
SADGURU GADAGE MAHARAJ COLLEGE KARAD
Accredited By NAAC with 'A+' Grade
An Autonomous College
(Affiliated to Shivaji University, Kolhapur)

PROGRAM /COURSE STRUCTURE and SYLLABUS

as per the Choice Based Credit System (CBCS) designed in accordance with Learning Outcomes-Based Curriculum Framework (LOCF)

of National Education Policy (NEP) 2020

for B. A. II Semester IV Geography Degree (Basic/Honors)

w.e.f. June, 2024 onwards.

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

B] **S. G. M. College, Karead**
New/Revised Syllabus For Bachelor of -Arts.

1. TITLE: Development and Planning of Tourism **Code:** NOE-GOT2

Number of Theory Credits	Number of lecture hours/ semester	Number of Theory Periods per week
04	60	04

2. YEAR OF IMPLEMENTATION: New/Revised Syllabi will be implemented from June, 2024 onwards

3. PREAMBLE:

The course on "Development and Planning of Tourism" offers a comprehensive study of the tourism industry, focusing on India, with specific emphasis on Maharashtra. The course equips learners with the knowledge and skills necessary to understand tourism development, planning processes, and sustainable practices. It covers various topics, including historical perspectives, economic significance, destination analysis, travel documentation, and case studies. Through theoretical concepts, real-world examples, and practical applications, learners will gain insights into the multifaceted nature of tourism and its impact on local economies, communities, and the environment. The course fosters critical thinking and problem-solving skills, promoting responsible tourism practices for long-term sustainability. Upon completion, learners will receive a certificate recognizing their participation and understanding of key concepts in the development and planning of tourism.

4. Course Objectives:

1. To explore the significance of effective planning and development strategies in the tourism industry.

2. To examine different types of tourism centers, including natural, religious, cultural, and historical destinations in India.
3. To analyze the development and planning of tourism in Maharashtra, with a focus on natural, religious, cultural, and historical destinations in Maharashtra.

5. Course Outcomes:

Upon completion of this course, students will be able to:

PO1: **Relating to Knowledge:**

1. Students will be recognized the significance of studying tourism geography in tourism planning, development, and management.
2. Understand tourism's historical development, from ancient to contemporary periods.
3. Identify tourism's role in the national economy and the process of planning in India.
4. Recognized different types of tourism centers in India and Maharashtra.

PO2: **Relating to Understanding and Application:**

1. Students will comprehend the principles of sustainable development in tourism and apply them to address the challenges and opportunities in the industry.
2. The students will be able to evaluate development and planning efforts in Maharashtra.

PO3: **Relating to Students' Skills:**

1. Students will enhance their technological skills in using computer applications for various tasks related to tourism geography.
2. Students will develop practical skills in conducting field surveys, interviews, questionnaires, and sampling techniques for data collection in tourism geography research.
3. Students will improve their communication skills by effectively presenting and conveying information related to tourism geography.
4. Enhance communication and teamwork skills through presentations and group activities.
5. Improve time management and organizational skills.

PO4: **Relating to Students' Evaluation:**

1. Students will be able to critically evaluate the classification of tourism based on different criteria and analyze the recent trends in the tourism industry.
2. Students will develop the skills to evaluate the effectiveness of computer applications in tourism geography and their contribution to sustainable tourism practices.
3. Demonstrate knowledge through assessments.
4. Apply theoretical knowledge to real-world scenarios and case studies.

6. DURATION

The duration of the B.A. Geography Program shall extend over 8 semesters (four academic years) of 16 weeks or more, each with a maximum of 90 actual working days of instruction in each semester.

7. **PATTERN:**

Pattern of Examination will be Semester.

8. 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. Tuition Fee & Laboratory Fee, if any.)

9. 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.

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 (40 + 10)

(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 - IV

Paper No.	Title	Mark
NOE – GOT2	Development and Planning of Tourism	**50**

12. SCHEME OF TEACHING

The scheme of teaching and examination should be given as applicable to the course / paper concerned (Lecture Method, Demonstration Method, Experimental Method, Group Activity Method, Field visit and collection of samples, Observation Method, etc.)

Sr. No.	Subject/Papers	Teaching Scheme Per Week				Examination Scheme Sr. (Marks)		
		L	T	P	Total	Theory	CCE	Total
1	Development and Planning of Tourism	04	04	-	04	40	10	50

13. SCHEME OF EXAMINATION:

The examination shall be conducted at the end of each term for semester pattern.

The theory paper shall carry 40 marks (as applicable to the course)

The theory paper shall carry internal 10 marks for 'CCE'.

The evaluation of the performance of the students in theory papers shall be on the basis of Semester Examination of 50 marks.

14. STANDARD OF PASSING:

As per Prescribed rules and regulation for each degree / programme. Separate passing marks required in examinations. The minimum 16 out of 40 marks required in University examination and internal (CCE) 04 out of 10 marks.

15. NATURE OF QUESTION PAPER AND SCHEME OF MARKING:

Question Paper will be set in the view of the /in accordance with the entire Syllabus and preferably covering each unit of syllabi.

Semester End Examination (40 Marks):

Q. 1(A): Multiple Choose Question (05)

Q. 1(B): Answer in One Sentence (05)

Q. 2: Write short notes (any Two) (10)

Q. 3: Write short Answer (any Two) (10)

Q. 4: Write detail answers One out of Two (10)

Internal Evaluation 10 Mark

NEW/REVISED SYLLABUS FOR
B. A. Part-II
(Introduced from June, 2024 onwards)
NOE –GOT II (Course / Paper No. II)
Geography (Development and Planning of Tourism)
Semester –IV

Module	Teaching Hours	Credits
Module I: Development and Planning of Tourism in India & Maharashtra 1.1 Tourism in ancient period 1.2 Tourism in modern period 1.3 Tourism Development and Planning in India 1.4 Tourism Development and Planning in Maharashtra	15	1
Module II: Tourism Centers in India & Maharashtra 2.1 Natural tourism centers 2.2 Religious tourism centers 2.3 Cultural tourism centers 2.4 Historical tourism centers	15	1

Reference Books:

1. Bhatia A.K. : International Tourism
2. Bhatia A.K. : Tourism Development
3. DevManoj : India – A ToruistParedise
4. DharPramnath : Development of Tourism and Travel Industry
5. Gupta V.N. : Tourism in India
6. NegiJagmohan : Tourism Development and ResourceConservation 28
7. Pearce Donglas : Tourism Development
8. Robinson R. : Geography of Tourism
9. Sharma K.C. : Tourism : Policy, Planning stategy.
10. Seth Pran :Enlessful Tourism Manament
11. Sinha P.C. : Tourism Marketing
12. Singh Shawni : Principles of Indian Tourism
13. Singh S.N. : Geography of Tourism and Recreation
14. Singh Ratandeep : Tourism Today Vol. 1
    Tourism Today Vol. 2
    Tourism Today Vol. 3
15. Geography of Tourism – Distance Education Department, Shivaji University, Kolhapur

Rayat Shikshan Sanstha`s

Sadguru Gadage Maharaj College, Karad

(Autonomous)

Department of Geography

B. A. II (SEM-IV) Syllabus

(From June 2024 As per NEP- 2020)

Course- **VSC – IV - Disasters Management**

Course Code: N-SEC5

Module 1. Natural Hazards and Disasters

1.1 Meaning and types of hazards and disasters

1.2 Causes of natural disasters

1.3 Causes of man-made disasters

1.4 impacts of natural and man-made disasters

Module 2. Disaster Management

2.1 Prevention and mitigation of disasters

2.2 Disaster preparedness and response plan

2.3 Disaster management cycle

2.4 Use of modern technologies for disaster management.