

**Rayat Shikshan Sanstha's**  
**SADAGURU GADAGE MAHARAJ COLLEGE KARAD**

Accredited By NAAC with 'A+' Grade



**An Autonomous College**  
**[Shivaji University, Kolhapur]**



**Revised Syllabus of**

**B.A. Geography Part – I**

(CHOICE BASED CREDIT SYSTEM)

**As Per NEP 2020**

**(Implemented from July, 2023 onwards)**

<b>Sr. No.</b>	<b>Heading</b>	<b>Particulars</b>
<b>1</b>	<b>Title of Course</b>	<b>F.Y.B.A. Geography</b>
<b>2</b>	<b>Eligibility for Admission</b>	<b>12th Pass [of Recognized Boards]</b>
<b>3</b>	<b>Passing Marks</b>	<b>40 %</b>
<b>4</b>	<b>Ordinances / Regulations (if any)</b>	
<b>5</b>	<b>No. of Years / Semesters</b>	<b>One year / Two semester</b>
<b>6</b>	<b>Level</b>	<b>U.G.</b>
<b>7</b>	<b>Pattern</b>	<b>C.B.C.S. - Semester</b>
<b>8</b>	<b>Status</b>	<b>Revised</b>
<b>9</b>	<b>To be implemented from Academic Year</b>	<b>July, 2023</b>

## **Preamble of the Syllabus:**

Bachelor of Arts (B.A.) in Geography is a under graduation Programme of Department of Geography, Sadguru Gadage Maharaj College, Karad [Autonomous College].

The Choice Based Credit System to be implemented through this curriculum would allow students to develop a strong grip in the fundamentals and specialize in the disciplines of his/her liking and abilities. The students pursuing this course would have to develop understanding of various characteristics of the Geography. Geography is an interdisciplinary subject that connects the social sciences and physical sciences in the knowledge of the Earth. Geography applies the unifying vision required by many contemporary environmental and social problems. Geography is a focus within the curriculum for understanding and resolving problems regarding the environment and sustainable development. It is also an important link between the physical and social sciences. As students study geography, they meet different societies and cultures. This helps them understand how nations depend on each other. It can motivate them to think about their own place in the world, their values, and their rights and responsibilities to other people and the environment.

## **GENERAL OBJECTIVES OF THE COURSE**

1. The objective of this course is to introduce the latest concepts in Physical Geography and Human Geography, Specifically in Atmosphere, Lithosphere, Fluvial Cycle, Hydrosphere, Human races, Population growth and Characteristics, Settlements and Agriculture etc.
2. The viewpoint of the subject is to be taught in order to develop a keen interest in the subject and to pursue it for higher studies. This introductory course is intended to explain the students with distinctiveness of Geography as a field of learning.
3. The course aims to introduce basic conceptual framework of Human Geography. It focuses on cultivating basic knowledge through understanding and analysis of the fundamental concepts in Human Geography.

## **PROGRAM EDUCATIONAL OBJECTIVES (PEOs):**

1. To enhance students' ability to apply their specialized knowledge in the geographical domain.
2. To develop employability skills and competencies to serve the job requirements in the society.
3. Inspire students to develop the abilities among them to offer services in the entrepreneurial environment.
4. To cultivate the interest among students to conduct research activities in the discipline of Geography.

## **COURSE OUTCOMES (COs):**

- i. Student should be able to understand in-depth the concepts of Physical Geography & Human Geography.
- ii. Students should understand the atmosphere, lithosphere, fluvial cycle and hydrosphere.
- iii. Students should know about the human races, population growth and characteristics.
- iv. Students should understand the patterns and functions of rural settlements with functions of urban settlements.
- v. Students should be realizing the History, types of agriculture and problems of agriculture.

## **PROGRAMME OUTCOMES (POs):**

1. Students will have comprehensive knowledge in the discipline of Geography.
2. They will have ability of making comprehensive analysis, interpret spatial problems, and suggest proper solutions by using theoretical, methodological, and instrumental knowledge of Geography.
3. Good employability skills as per current need of the society to compete in the competitive world.
4. They will have good understanding about proper utilization of natural resources through geographical knowledge.
5. Aware about the regional and national environmental issues, recent trends, and technological advancements in the discipline of Geography.
6. Develop research interest to solve critical and emerging societal issues related to geography and the surrounding environment.

## **LEARNING OUTCOMES:**

1. At the end of this course students are expected to be familiar with concepts of Physical geography and the different spheres of the earth and the interrelation amongst them as well as they will be able to analyze the interrelationships among them.
2. At the end of this course students are expected to have a holistic understanding of fundamental concepts of Human Geography and thereby be able to understand human related issues.

## **COURSE DURATION:**

- The B.A. course duration is of one year comprising of two semesters, each semester spanning for 6 months of minimum 120 working days.
- The duration of course shall be of one year (Sem. – I and II)

## **COURSE PATTERN:**

CBCS Fee Structure: As per College Administration Rules and Regulations Eligibility of Course: Admission will be open to candidates passing H.S.C. examination. Medium of Instruction: Marathi.

## **EVOLUTION PATTERN:**

Pattern of examination will be semester with **SEE-40** marks and **CCE -10** marks evaluation system.

**MEDIUM OF INSTRUCTION:**

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

**COURSE STRUCTURE FOR B.A. GEOGRAPHY****One Year (2 Semester's) Programme****B. A. Part – I**

<b>Sr. No.</b>	<b>Semester</b>	<b>Name of the Course</b>	<b>Category</b>
<b>1</b>	<b>Semester: I</b>	<b>Physical Geography</b>	NMJ-GEOO1 NMN-GEOO1
<b>2</b>	<b>Semester: II</b>	<b>Human Geography</b>	NMJ-GEOO2 NMN-GEOO2

**FEE STRUCTURE:** As per College Administration Rules and Regulations

**STRUCTURE OF COURSE : 40 + 10 = 50 MARKS**

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

**SEMESTER I<sup>st</sup> and II<sup>nd</sup>**

<b>Paper No.</b>	<b>Title of the Paper</b>	<b>Marks</b>
NMJ-GEOO1(Paper No. I)	Physical Geography	50
NMN-GEOO1 (Paper No. I)	Physical Geography	50
NMJ-GEOO2 (Paper No. II)	Human Geography	50
NMN-GEOO2 (Paper No. II)	Human Geography	50

## **SCHEME OF TEACHING AND EXAMINATION:**

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

Sr. No	Sem	Title of the Paper	Faculty	Sub. Code	Credit	Workload Per Week	Workload Per Hour	Total Credits	Marks	
									Theory	Term Work
1	I	Physical Geography	Arts	NMJ-GEOO1 NMN-GEOO1	4	4	3.2	8	40	10
2	II	Human Geography		NMJ-GEOO2 NMN-GEOO2	4	4	3.2		40	10

## **INTERNAL EVALUATION 10 MARKS:**

Sr. No.	Sem.	Particulars	Marks
1	I	Home Assignment	10
2	II	Home Assignment	10

## **SCHEME OF EXAMINATION:**

- The examination shall be conducted at the end of each semester.
- The theory paper (SEE) shall carry 40 marks and Internal Assessment (CCE) for 10 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.

## **STANDARD OF PASSING:**

As per prescribed rules and regulation for each degree / Programme

## **NATURE OF QUESTION PAPER AND SCHEME OF MARKING:**

<b>Semester I</b>		<b>Marks</b>
Question: 1. A	Objective type Multiple Choice Questions	05
Question: 1. B	Answer in one sentence.	05
Question: 2	Short Notes (Any Two out of Four)	10
Question: 3	Broad Question (Any one out of two)	10
Question: 4	Broad Question (Any one out of two)	10

<b>Semester II</b>		<b>Marks</b>
Question: 1. A	Objective Type Multiple Choice Questions	05
Question: 1. B	Answer in one sentence.	05
Question: 2	Short Notes (Any Two out of Four)	10
Question: 3	Broad Question (Any one out of two)	10
Question: 4	Broad Question (Any one out of two)	10

**SPECIAL INSTRUCTIONS, IF ANY: NA**



Rayat Shikshan Sanstha's  
**Sadguru Gadage Maharaj College, Karad (Autonomous)**  
**Department of Geography**  
**B. A. I SEM-I**  
**NMJ-GEOO1/NMN-GEOO1 - Paper-I – Physical Geography**  
(Teaching Hours – 60, Credit – 04)

	<b>Teaching Hours</b>	<b>Credits</b>
<b>Module I Introduction to Physical Geography</b>	<b>15</b>	<b>01</b>
1.1 Meaning and Definitions		
1.2 Scope of Physical Geography		
1.3 Branches of Physical Geography		
1.4 Importance of Physical Geography		
<b>Module II Atmosphere</b>	<b>15</b>	<b>01</b>
1.1 Composition and Structure of Atmosphere		
1.2 Insolation: Factors affecting on Insolation		
1.3 Temperature: Distribution of temperature (Vertical and Horizontal)		
1.4 Atmospheric Pressure: pressure Belts and Planetary Winds.		
<b>Module III Lithosphere</b>	<b>15</b>	<b>01</b>
3.1 Lithosphere: Meaning and Definitions		
3.2 Interior of the earth		
3.3 Wagner's Continental Drift Theory		
3.4 Earthquakes and Volcano – Causes and Effects		
<b>Module IV Hydrosphere</b>	<b>15</b>	<b>01</b>
4.1 Hydrosphere: Meaning and Definition		
4.2 Spatial distribution of World water Resources		
4.3 Hydrological Cycle		
4.4 Water Conservation, Rain Water Harvesting, Water shade Management		



## Reference Books

- Clyton K., (1986), Earth Crust, Adus Book , London.
- Davis W. M., (1909), Geographical Essay, Ginnia Co.
- Dayal P., (1996), Text Book of Geomorphology, Shukla Book Depot, Patna.
- Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford University Press, Kolkata.
- Kale V.S. and Gupta A., (2001), Elements of Geomorphology, Oxford Univ. Press.
- Monkhouse, (1951), Principle of Physical Geography, McGraw Hill Pub – New York.
- Pitty A. F., (1974), Introduction to Geomorphology, Methuen London.
- Singh Savindra, (2000), Physical Geography, Prayag Pustak Bhavan, 20-A, University Road, Allahabad – 211002.
- Steers J. A., (1964), The Unstable Earth Some Recent Views in Geography, Kalyani Publishers, New Delhi.
- Swaroop Shanti, (2006), Physical Geography, King Books, NaiSarak, Delhi –110006.
- Lal.D.S , 2004: Oceanography, Prayag Pustak Bhavan, Allahabad
- Pitty A. F., (1974), Introduction to Geomorphology, Methuen London.
- Singh, S. 2005: Physical Geography, Prayag Pustak Bhawan, Allahabad
- Sharma, H.S. (ed), 2002: Perspective in Geomorphology, Vol. I & IV, Concept, New Delhi.
- Sharma, V.K., 2006: Geomorphology, Earth Surface Processes and Forms, Tata Mc. Graw Hill, New Delhi.
- Sparks, B.W., 2000: Geomorphology, Longman, London, 2nd edition.
- Steers J. A., (1964), The Unstable Earth Some Recent Views in Geography, Kalyani
- Strahler, A.N., 2005: Physical Geography, 3rd Ed., Wiley Publications Publishers, New Delhi.
- Thornbury, W.D., 1969: Principles of Geomorphology, 2nd Ed., Wiley International Edition, Wiley Eastern Reprint, 2004
- Wooldridge, S.W. and Morgan, R.S., 2008: The Physical Basis of Geography, Longman (First published in 1937)
- Worcestor, P.G., 2005: A Textbook of Geomorphology, Van Nostrand, 2nd Ed., East West Edition, New Delhi



Rayat Shikshan Sanstha's  
**Sadguru Gadage Maharaj College, Karad (Autonomous)**  
**Department of Geography**  
**B. A. I SEM-I**  
**NMJ-GEOO2/ NMN-GEOO2 - Paper-I – Human Geography**  
(Teaching Hours – 60, Credit – 04)

	<b>Teaching Hours</b>	<b>Credits</b>
<b>Module I Human Geography</b>	<b>15</b>	<b>01</b>
1.1 Meaning and Definitions		
1.2 Scope of Human Geography		
1.3 Branches of Human Geography		
1.4 Importance of Human Geography		
<b>Module II Population</b>	<b>15</b>	<b>01</b>
2.1 Factors influencing population distribution and density		
2.2 Population resource region		
2.3 Malthus' theory of Population Growth		
2.4 Demographic Transition Theory (India)		
<b>Module III Settlement Geography</b>	<b>15</b>	<b>01</b>
3.1 Settlement Geography-Meaning, Nature, Scope and Significance		
3.2 Origin, evolution and growth of human settlements;		
3.3 Definition and types of settlements		
3.4 Site, Situation and Locational factors		
<b>Module IV Settlement- Types and Function</b>	<b>15</b>	<b>01</b>
4.1 Settlement patterns		
4.2 Types of rural settlements		
4.3 Functions of Rural Settlements		
4.4 Functions of Urban Centers		

## Reference Books

- Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
- Hassan, M.I. (2005) Population Geography, Rawat Publications, Jaipur
- Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
- Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication
- Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
- Kaushik, S.D. (2010) Manavi Bhugol, Rastogi Publication, Meerut.
- Maurya, S.D. (2012) Manavi Bhugol, Sharda Pustak Bhawan. Allahabad.
- Hussain, Majid (2012) Manavi Bhugol. Rawat Publications, Jaipur
- Beaujeu Gamier : Geography of Population, Longman, Lindon-1978
- Clarke J.I. : Population Geography, Pergamon Press Oxford – 1972
- Hagget Petter : Human Geography
- Ghosh B.N. : Fundamentals of Population Geography
- Hussin M. (1994) : Human Geography
- David P., Hopkinson M. (1983): The Geography of Settlements, Oliver & Boyd; 2nd Revised edition.
- Deniel P. (2002): Geography of Settlements. Rawat Publications, Jaipur and New Delhi.
- Gosh S. (1998): Introduction to Settlement Geography. Orient Longman.



Rayat Shikshan Sanstha's  
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**Department of Geography**  
**B. A. I SEM-I**  
**VSC – I - Introduction to Remote Sensing**  
**Paper Code: N-VSC-RS1**

**Course objectives:**

- 1 This paper intends to introduce students to the interface of Remote Sensing.
- 2 It seeks to develop new insights among students on the relevance of geospatial studies within the field of geography.

**Course outcomes:**

- 1 The paper remains useful for students in developing skills in spatial data analysis if they wish to pursue a research programme.
- 2 The paper will be useful for students preparing for different competitive exams including the civil services.

**Module I - Introduction to Remote Sensing**

- 1.1 Definition and Concept of Remote Sensing
- 1.2 Scope of Remote Sensing
- 1.3 History of Remote Sensing
- 1.4 Fundament Concepts in Remote Sensing

**Module II - Principles of Remote Sensing**

- 2.1 EMR and Electromagnetic Spectrum
- 2.2 Platforms of Remote Sensing
- 2.3 Types of Remote Sensing
- 2.4 Types of Resolution in Remote Sensing



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**Sadguru Gadage Maharaj College, Karad (Autonomous)**  
**Department of Geography**  
**B. A. I SEM-I**

**SEC – I - Introduction to Surveying**

**Paper Code: N-SEC-IS1**

**Course objectives:**

This course on Surveying Techniques provides a general understanding of the field of survey including its modern tools and importance in geographic study. It more particularly focuses on various types of survey instruments; principles of different types of surveying, methods of carrying out survey for preparation of map/plan in different environment by presentation of various aspects of the area.

**Course outcomes:**

- 1 Understanding the importance of various surveying techniques in geographical study
- 2 General understanding of preparation procedures of different types of plan and map
- 3 An acquaintance of different surveying techniques for representation of various spatial objects/ Phenomena.

**Module I - Introduction to Surveying**

- 1.1 Meaning and Definition of Surveying
- 1.2 History of Surveying
- 1.3 Types and Classification of Surveying
- 1.4 Importance of Surveying in Geography

**Module II - Instruments and concepts in Surveying**

- 2.1 Instruments and concepts in Surveying
- 2.2 Introduction to various surveying instruments and uses
- 2.3 Geographical concepts used in Cadastral surveys
- 2.4 Introduction to recent surveying techniques



Rayat Shikshan Sanstha`s  
**Sadguru Gadage Maharaj College, Karad**  
(Autonomous)  
Department of Geography  
B. A. I (SEM-I) Syllabus  
(From 2023-24 As per NEP- 2020)  
Paper- Indian Knowledge System (N-IKS-BV1)  
**Bharatvarsh -Aland of Rare Natural Endowments**

**Preamble:**

This curriculum focuses on “The heritage of ancient India Bharatvarsh ancient (India) geography. This course is specially designed to introduce the ancient Indian knowledge system. It explores Ancient Indian geographical knowledge in the various field of geography.

**Course Outcome:**

1. Students should be able to understand in-depth about the Indian knowledge system.
2. To gain knowledge about ancient Indian geographical concepts.
3. Understand the Bharatvarsh (Ancient India Geography).
4. This course will be useful for students preparing for UGC NET/SLET, exams and other competitive exams including the civil services.

**1. Introduction: A Vast and Rich Land**

- 1.1 Largest cultivable area in the world.
- 1.2 Protected and nurtured by Himalayas.
- 1.3 The Sindhu-Ganga plain and the great coastal plains.
- 1.4 The great rivers of India.

**2. Natural Endowments**

- 2.1 Abundant rains, sunshine and warmth, vegetation, animals and mineral wealth.
- 2.2 Most populous country in the world.
- 2.3 India’s prosperity held the world in thrall.
- 2.4 Splendid geographical isolation of India and the uniqueness of Indian culture.

**References:**

1. Baladev Upadhyaya, *Samskrta Śāstrom ka Itihās*, Chowkhambha, Varanasi, 2010.
2. D. M. Bose, S. N. Sen and B. V. Subbarayappa, Eds., *A Concise History of Science in India*, 2<sup>nd</sup> Ed., Universities Press, Hyderabad, 2010.
3. *Astāngahrdaya*, Vol. I, *Sūtrasthāna* and *Śarīrasthāna*, Translated by K. R. Srikantha Murthy, Vol. I, Krishnadas Academy, Varanasi, 1991.
4. Dharampal, *Some Aspects of Earlier Indian Society and Polity and Their Relevance Today*, New Quest Publications, Pune, 1987.
5. Dharampal, *Indian Science and Technology in the Eighteenth Century: Some Contemporary European Accounts*, Dharampal Classics Series, Rashtrarthana Sahitya, Bengaluru, 2021.
6. Dharampal, *The Beautiful Tree: Indian Indigenous Education in the Eighteenth Century*, Dharampal Classics Series, Rashtrarthana Sahitya, Bengaluru, 2021.



Rayat Shikshan Sanstha's  
**Sadguru Gadage Maharaj College, Karad (Autonomous)**  
**Department of Geography**  
**B. A. I SEM-II**

**VSC – II - Application of Remote Sensing**

**Paper Code: N-VSC-RS2**

**Course objectives:**

- 1 This paper intends to introduce application of Remote Sensing.
- 2 It seeks to develop new insights among students on the relevance of geospatial studies within the field of geography.

**Course outcomes:**

- 1 The paper remains useful for students in developing skills in spatial data analysis if they wish to pursue a research programme.
- 2 The paper will be useful for students preparing for different competitive exams including the civil services.

**Module I – Application of Remote Sensing in Physical Geography**

- 1.1 Land forms Studies
- 1.2 Disaster Management
- 1.3 Water Resources
- 1.4 Forest Management

**Module II – Application of Remote Sensing in Human Geography**

- 2.1 Land cover/Land use Mapping
- 2.2 Urban Planning and Management
- 2.3 Agriculture
- 2.4 Drought Monitoring



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**Sadguru Gadage Maharaj College, Karad (Autonomous)**  
**Department of Geography**  
**B. A. I SEM-II**

**SEC – II - Application of Surveying**

**Paper Code: N-SEC-IS2**

**Course objectives:**

This course on Surveying Techniques provides a general understanding of the field of survey including its modern tools and importance in geographic study. It more particularly focuses on various types of survey instruments; principles of different types of surveying, methods of carrying out survey for preparation of map/plan in different environment by presentation of various aspects of the area.

**Course outcomes:**

- 4 Understanding the importance of various surveying techniques in geographical study
- 5 General understanding of preparation procedures of different types of plan and map
- 6 An acquaintance of different surveying techniques for representation of various spatial objects/ Phenomena.

**Module I - Traverse Survey Methods (Theory Only)**

- 1.1 Chain-tape Survey
- 1.2 Plane Survey
- 1.3 Prismatic compass Survey
- 1.4 Application of survey in mapping

**Module II – Advance Methods of Surveying**

- 2.1 Introduction to Theodolite, Concepts/ Terminology used in Theodolite Survey
- 2.2 Introduction to Total station, Application of Total station in Surveying
- 2.3 GPS & DGPS Survey
- 2.4 Drone Survey



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B. A. I (SEM-I) Syllabus  
(From 2023-24 As per NEP- 2020)  
Paper- Community Engagement Program (N-CEP-TI 1)  
**Tribes in India**

**1. Introduction of Tribes**

- 1.1 Introduction: Meaning and definition of Tribe
- 1.2 Tribes in India Major Tribes in India
- 1.3 Classification of Tribes in India
- 1.4 Classification of Tribes based on Ethnicity (Race)
- 1.5 Classification of Tribes based on Location

**2. Major Tribes in India**

- 2.1 Human Life in Mountain Region - Naga - Past & Present Life
- 2.2 Human Life in Plateau Region – Gond - Past & Present Life