Karmaveer Bhaurao Patil University, Satara
(A State Public University)

CHHATRAPATI SHIVAJI COLLEGE, SATARA
(A Constituent College)

Under

Faculty of Science & Technology

Syllabus For
B.A. Degree Programme in Geography

B. A. Part- I

Structure and Syllabus in Accordance with
National Education Policy (NEP) 2020

Choice Based Credit System (CBCS)
With Multiple Entry and Multiple Exit Option

To Be Implemented From June, 2024 Onwards

NAME OF THE PROGRAMME: B.A. GEOGRAPHY

PREAMBLE:

Geography is a dynamic and interdisciplinary discipline that bridges the natural and social sciences. It studies the Earth's physical features, human activities, environmental processes, and the interactions between people and their surroundings. The subject develops an understanding of spatial patterns, regional diversity, resource management, environmental sustainability, and contemporary global issues.

The Bachelor of Arts (B.A.) in Geography is designed to provide students with a strong foundation in both physical and human geography while emphasizing practical skills such as map reading, field surveys, data collection, cartography, Geographic Information Systems (GIS), and Remote Sensing (RS). The programme encourages critical thinking, analytical ability, and research skills to understand and solve geographical and environmental problems at local, regional, national, and global levels.

Aligned with the principles of the National Education Policy (NEP) 2020, the curriculum promotes multidisciplinary learning, experiential education, field-based research, digital literacy, and sustainable development. It prepares students for higher education, research, public administration, environmental management, urban and rural planning, disaster management, tourism, geospatial technologies, and other geography-related careers while fostering responsible citizenship and lifelong learning.

PROGRAMME OBJECTIVES:

The Bachelor of Arts (B.A.) in Geography aims to provide students with a comprehensive understanding of physical and human environments while developing analytical and practical skills. The programme objectives are:

1. To provide fundamental knowledge of physical geography, human geography, environmental geography, and regional geography.
2. To develop an understanding of the interaction between human society and the natural environment.
3. To enhance geographical skills in map reading, map interpretation, surveying, fieldwork, and spatial analysis.
4. To introduce modern geographical techniques such as Geographic Information System (GIS), Remote Sensing (RS), and Global Positioning System (GPS).

5. To promote awareness of environmental conservation, sustainable development, disaster management, and climate change.
6. To develop research aptitude through field surveys, data collection, data analysis, report writing, and project work.
7. To cultivate critical thinking and problem-solving abilities for addressing geographical and environmental issues.
8. To provide knowledge of regional and global geographical patterns, including population, agriculture, industries, urbanization, and resource management.
9. To encourage the application of geographical knowledge in planning, resource management, and rural and urban development.
10. To prepare students for higher education, competitive examinations, teaching, research, and careers in geography, environmental management, GIS, remote sensing, planning, tourism, and related fields.

This programme objectives are suitable for a B. A. Geography Degree Programme and align with the objectives commonly followed under the National Education Policy (NEP), 2020 and Indian university outcome-based education frameworks.

PROGRAMME OUTCOMES:

After successful completion of the Bachelor of Arts (B.A.) Degree Programme in Geography, students will be able to:

1. Develop Geographical Knowledge: Acquire comprehensive knowledge of physical, human, regional, and environmental geography and understand the spatial organization of natural and human phenomena.
2. Understand Human–Environment Relationships: Analyze the interaction between humans and the environment and evaluate issues related to environmental conservation and sustainable development.
3. Apply Geographical Skills: Demonstrate skills in map reading, cartography, field surveying, spatial data interpretation, and the use of geographical tools such as GIS and Remote Sensing.
4. Develop Analytical and Critical Thinking: Analyze geographical problems using scientific methods, interpret spatial patterns, and propose practical solutions to local, regional, and global issues.

5. Conduct Field-Based Research: Plan and execute fieldwork, collect and analyze primary and secondary data, prepare field reports, and communicate research findings effectively.
6. Promote Sustainable Resource Management: Evaluate the utilization, conservation, and management of natural resources for sustainable development and environmental protection.
7. Enhance Communication and Teamwork: Develop effective communication, report writing, presentation, leadership, and collaborative skills through fieldwork and project-based learning.
8. Develop Ethical and Social Responsibility: Demonstrate environmental ethics, social responsibility, and awareness of contemporary issues such as climate change, disaster management, urbanization, and rural development.
9. Prepare for Higher Education and Employment: Acquire the knowledge and practical competencies required for higher studies, research, teaching, civil services, urban and regional planning, GIS, environmental consultancy, disaster management, tourism, and related professions.
10. Promote Lifelong Learning: Develop independent learning abilities, adaptability, and professional competence to meet the evolving needs of society and the discipline of Geography.

Eligibility for Admission:

A candidate shall be eligible for admission to the First Year of the Three-Year Undergraduate Programme (FYUGP) in Bachelor of Arts (B.A.) under the National Education Policy (NEP) 2020 if he/she fulfils the following conditions:

1. **Educational Qualification**
    - The candidate must have passed the Higher Secondary Certificate (HSC) Examination (10+2) or an equivalent examination from a recognized Board or Council.
    - Students from Arts, Science, Commerce, Vocational, or equivalent streams are eligible for admission to the B.A. programme, subject to the admission rules of the concerned university.

2. **Recognized Board**

- The qualifying examination must be conducted by a recognized State Board, Central Board (CBSE), CISCE, NIOS, or any other equivalent examination recognized by the University/UGC.

3. **Minimum Marks**
    - Admission shall be based on the minimum percentage of marks prescribed by the concerned University or State Government from time to time.
    - Relaxation in minimum qualifying marks, if any, shall be applicable to SC/ST/OBC/EWS and other reserved categories as per Government and University norms.

Chhatrapati Shivaji College, Satara
(A Constituent College)
B.A. Part-I Geography
COURSE STRUCTURE
(w.e.f. June, 2024 onwards)

Year	Level	Semester	Course Type	Course Title	Credit
I	Level 4.5	I	Optional Course-I DSC-I	DSC-I Geomorphology	04
			Optional Course-I DSC-I	DSC-I Select from college Courses	04
			Optional Course-I DSC-I	DSC-I Select from College Courses	04
			Open Elective (OE)	OE-I Cartography-P-I	04
			Ability Enhancement Course (AEC)	AEC-I English for Communication Paper-I	02
			(IKS)	Generic IKS	02
			Co-curricular Course (CC)	CC-I Select any one from the college basket	02
I	Level 4.5	II	**Cumulative Credit For Semester: I**		**22**
			Optional Course-I DSC-II	DSC-I Climatology	4
			Optional Course-I DSC-II	DSC-I Select from college Courses	4
			Optional Course-I DSC-II	DSC-I Select from College Courses	4
			Open Elective (OE)	OE-II Cartography-P-II	4
			Ability Enhancement Course (AEC)	AEC-II English for Communication P-II	02
			Value Education Course (VEC)	VEC-I Democracy, Elections and Good Governance	02
			Co-curricular Course (CC)	CC-II As per Semester I	02
Cumulative Credit for Semester: II					**22**
Cumulative Credit For Semester: I & II					**44**

KARMAVEER BHAURAO PATIL UNIVERSITY, SATARA

Chhatrapati Shivaji College, Satara
(A Constituent College)
B.A. Part-I Geography
COURSE STRUCTURE
(w.e.f. June, 2024 onwards)

Sem.	Course Type	Title of the Paper	Course Code	Credit	Workload Per Week	ESE	CCE	Total Marks
I	Optional Course-1 DSC-I	DSC-I Geomorphology	DSCGEO01101	4	4 Lectures	60	40	100
I	Optional Course-2 DSC-I	DSC-I Select from college Courses	As per Course	4	4 Lectures	60	40	100
I	Optional Course-3 DSC-I	DSC-I Select from college Courses	As per Course	4	4 Lectures	60	40	100
I	Open Elective Course (OE)	OE-I Cartography –I	OEGEO01101	4	4 Lectures	60	40	100
I	Ability Enhancement Course (AEC)	AEC-I English for Communication Paper-I	AECENG0101	2	02 Lectures	30	20	50
I	Indian Knowledge System (IKS)	IKS-I Generic IKS	IKSGEN01101	2	02 Lectures	30	20	50
I	Co-Curricular Courses (CC)	CC Paper-I Select any one from College Basket	As per course	2	02 Lectures	30	20	50
II	Optional Course-1 DSC-II	DSC-II Climatology	DSCGEO01202	4	4 Lectures	60	40	100
II	Optional Course-2 DSC-II	DSC-II As Per Semester-I	As per Course	4	4 Lectures	60	40	100
II	Optional Course-3 DSC-II	DSC-II As Per Semester-I	As per Course	4	4 Lectures	60	40	100
II	Open Elective Course (OE)	OE-II Cartography –II	OEGEO01202	4	4 Lectures	60	40	100
II	Ability Enhancement Course (AEC)	AEC-II English for Communication Paper-II	AECENG01202	2	02 Lectures	30	20	50
II	Value Education Course (VEC)	VEC-I- Democracy Elections & Good Governance	VECDEG01202	2	02 Lectures	30	20	50
II	Co-Curricular Courses (CC)	CC-II As per Semester-I	As per course	2	02 Lectures	30	20	50

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Faculty of Science and Technology

Chhatrapati Shivaji College, Satara

Board of Studies in Geography

Programme: B. A. I	**Semester**-I
Type: DSC I Geography	**Marks:** 100
Credits: 4	**From:** June 2024.

Course Code: DSCGEO01101

Name of the Course: Geomorphology

Course Objectives: Students should be able to…..

1. To understand the meaning, definition, nature, scope, various branches and importance of geomorphology.
2. To describe the origin of the continents and oceans.
3. To explain comprehensive knowledge about the earthquake and volcano.
4. To analyse the concept of denudation, weathering process and types of weathering.
5. To evaluate the fluvial process and landforms associated with it.
6. To get acquainted with the Geomorphological Concepts.

Course Outcome: Students will be able to…..

1. Demonstrate knowledge of the concepts, nature, scope, and branches of Human Geography.
2. Analyse human-environment relationships and their impact on society.
3. Evaluate agricultural systems and their geographical significance.
4. Examine the factors influencing the origin, growth, and distribution of human settlements.
5. Assess the patterns, functions, and development of human settlements.

Expected Skills Impartation

- Understanding skill
- Evaluative skill
- Analytical skill
- Critical Thinking

Module	Title & Content	Hrs.
1	**Introduction to Geomorphology** 1.1 Meaning and Definition of Geomorphology 1.2 Nature of Geomorphology 1.3 Scope of Geomorphology 1.4 Significance of Geomorphology	15
2	**Earth Crust** 2.1 Characteristics of land and water distribution 2.2 Interior of the Earth 2.3 Wegener's theory of Continental Drift 2.4 Plate Tectonic Theory	15

3	**Earth Movement** 3.1 Meaning & Types of Earth Movement 3.2 Impact of Earth Movement 3.3 Earthquake: Causes, Consequences & Distribution 3.4 Volcano: Causes, Consequences & Distribution	15
4	**Denudation** 4.1 Meaning and Definition of Weathering 4.2 Types of Weathering 4.3 Erosional Landforms of River 4.4 Depositional Landforms of River	15

References

- K. Briggs, *Physical Geography: Process and System* London: Hodder and Stoughton, 1985.
- P. Dayal, *A Textbook of Geomorphology* Patna: Shukla Book Depot, 1996.
- R. W. Fairbridge, ed., *Encyclopaedia of Geomorphology* New York: Reinhold, 1968.
- W. G. Moor, *A Dictionary of Geography* England: Penguin Books, 1949.
- R. S. Morgan and S. W. Wooldridge, *Outline of Geomorphology: The Physical Basis of Geography* London: Longmans Green, 1959.
- Harry Robinson, *Morphology and Landscape* London: University Tutorial Press Ltd., 1969.
- Savindra Singh, *Geomorphology* Allahabad: Prayag Pustak Bhavan, 1998.
- B. W. Spark, *Geomorphology* London: Longman, 1986.
- A. N. Strahler, *Physical Geography* New York: John Wiley & Sons Inc., 1969.
- W. D. Thornbury, *Principles of Geomorphology* New Delhi: Wiley Eastern Ltd., 1969.
- P. G. Worcester, *Textbook of Geomorphology* Princeton: D. Van Nostrand, 1948.
- सुदाते आणि संजीवनी दाते .प्र ., *प्राकृतिक भूविज्ञान* सातारारावल पब्लिकेशन :, १९९५.
- सुदाते .प्र ., संजीवनी दाते आणि एचडोईफोडे .के ., *प्राकृतिक भूविज्ञान* पुणेअनिरुद्ध पब्लिशिंग हाउस :, २००२.
- केखतिब .ए ., *प्राकृतिक भूगोल* कोल्हापूरसंजोग प्रकाशन :, २०११.
- एकोळेकर .एस .सवदी आणि पी .बी ., *प्राकृतिक भूगोल* पुणेनिराली प्रकाशन :, २००४.
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- जयकुमार मगर, *भूरूपशास्त्र* नागपूर विद्या :प्रकाशन, १९९२.

Medium of Instruction: English

Special instructions, if any: English

Library and laboratory equipment

Evaluation Pattern:	
TotalMarks:100	
Internal Continuous Evaluation: **Activities 40 Marks: For major paper of 4 credit** 1. Project/ Seminar - 20 Marks 2. Online/ offline class test- 20 Marks	***End Semester Examination Question Paper Pattern for 60 Marks*** **Instruction:** **1) All Questions are Compulsory.** **2) All Questions carry equal marks.** **3) Figures to the right indicate full marks.** **Day and Date:** **Total Marks: 60** **Time: Two Hours** ========== **Q. 1. Choose the correct alternatives from the following** **15** प्रश्न १ .खालीलपैकी योग्य पर्याय निवडा . **Q.2. Write short notes (*Three out of Four*)** **15** प्रश्न २. टीपा लिहा (चार पैकी तीन) **Q.3. Write short answer (*Three out of Four*)** **15** प्रश्न ३. थोडक्यात उत्तरे लिहा (चार पैकी तीन) **Q.4. Answer the following question in broad. (One out of Two)** प्रश्न ४. खालील प्रश्नाचे सविस्तर उत्तर लिहा. (दोन पैकी एक) **15**

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Faculty of Science and Technology

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Board of Studies in Geography

Programme: B. A. I	**Semester**- I
Type: Open Elective (OE)	**Marks:** 100
Credits: 4	**From:** June 2024

Course Code: OEGEO01101

Name of the Course: Cartography

Course Objectives: Students should be able to…..

1. To introduce the students with the importance of cartography.
2. To understand map, concept of projection and concept of scale.
3. To give basic information to the students about S.O.I. top maps and I.M.D. weather maps.
4. To familiarize the students with the concept of surveying and different cartographic techniques and methods used for representation of demographic and physio-socio-economic database.
5. To aware the students with the modern technology like computer, GIS, GPS etc and them advantages over conventional cartography.

Course Outcome: Students will be able to…..

CO-1 Student understand the importance of cartography.

CO-2 Student know the characteristics of earth surface.

CO-2 Interpret S.O.I. topo maps and I.M.D weather maps

CO-4 In depth understanding the map, concept of map scale and projection.

CO-5 Classify the types of maps and projections.

Expected Skills Impartation

- Understanding skill
- Evaluative skill
- Analytical skill
- Critical Thinking

Module	Title & Content	Hrs.
1	**Introduction to Cartography** 1.1 Definition and meaning of Cartography 1.2 Nature and scope of Cartography 1.3 Branches of Cartography 1.4 Significance of Cartography	15

2	**Representation of Earth's surface** 2.1 The shape and size of the earth 2.2 Globe and coordinates system 2.3 The worlds continents and oceans – location and size 2.4 The world time zones and the international date line	15
3	**Maps** 3.1 Definition and elements of maps 3.2 Map scale 3.3 Types of maps 3.4 Significance of maps	15
4	**Map Projection** 4.1 Meaning and definition of map projection 4.2 Necessity of map projection 4.3 Classification of map projection 4.4 Choice of map projection	15

References

- R. G. Cromley, *Digital Cartography* New York: Prentice-Hall, 1992.
- B. D. Dent, *Cartography: Thematic Map Design*, 5th ed. Boston: WCB McGraw-Hill, 1992.
- M. J. Kraak and F. Ormeling, *Cartography: Visualization of Spatial Data* New Delhi: Pearson Education, 2004.
- R. P. Mishra, *Fundamentals of Cartography* Mysore: Prasaranga, University of Mysore, 1973.
- F. J. Monkhouse and H. R. Wilkinson, *Maps and Diagrams* London: Methuen & Co., 2000.
- M. S. Monmonier, *Computer-Assisted Cartography: Principles and Prospects* Englewood Cliffs: Prentice-Hall, 1982.
- Erwin Raisz, *Principles of Cartography* New York: McGraw-Hill, 1962.
- K. K. Rampal, *Mapping and Compilation* New Delhi: Concept Publishing Co., 1993.
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- T. A. Slocum et al., *Thematic Cartography and Geovisualization*, 3rd ed. Upper Saddle River: Prentice Hall, 2008.
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- आर .एस .माने-देशमुख, पी .आर .व्हटकर आणि ए .एस .पाटील, *नकाशाशास्त्र* हातकणंगले :प्ररूप प्रकाशन, २०१६.

Research Journals:

1. KN Journal of Cartography and Geographic Information
2. International Journal of Cartography
3. Cartographic Perspectives
4. Tag Archives: International Journal of Cartography
5. Cartographica: The International Journal for Geographic Information and Geovisualization

Medium of Instruction: English

Special instructions, if any: English

Library and laboratory equipment

Evaluation Pattern:	
TotalMarks:100	
Internal Continuous Evaluation: **Activities 40 Marks: For major paper of 4 credit** 1.Project/ Seminar - 20 Marks 2.Online/ offline class test- 20 Marks	***End Semester Examination Question Paper Pattern for 60 Marks*** **Instruction:** **1) All Questions are Compulsory.** **2) All Questions carry equal marks.** **3) Figures to the right indicate full marks.** **Day and Date:** **Total Marks: 60** **Time: Two Hours** ========== **Q. 1. Choose the correct alternatives from the following** **15** प्रश्न १ .खालीलपैकी योग्य पर्याय निवडा . **Q.2. Write short notes (*Three out of Four*)** **15** प्रश्न २. टीपा लिहा (चार पैकी तीन) **Q.3. Write short answer (*Three out of Four*)** **15** प्रश्न ३. थोडक्यात उत्तरे लिहा (चार पैकी तीन) **Q.4. Answer the following question in broad. (One out of Two)** प्रश्न ४. खालील प्रश्नाचे सविस्तर उत्तर लिहा. (दोन पैकी एक) **15**

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Board of Studies in Geography

Programme: B. A. I	**Semester**-II
Type: DSC II Geography	**Marks:** 100
Credits: 4	**From:** June 2024.

Course Code: DSCGEO01202

Name of the Course: Climatology

Course Objectives: Students should be able to…..

1. To understand the importance of Climatology
2. To introduce the students concepts in Climatology
3. To distinguish between weather and climate.
4. To describe the origin and composition of atmosphere.
5. To explain comprehensive knowledge about the heat and temperature.
6. To know the concept of air pressure, wind, monsoon
7. To adopt the knowledge of hydrological cycle, humidity and precipitation.
8. To acquaint the students concepts of air mass, cyclone and atmospheric disturbances.

Course Outcome: Students will be able to…..

CO - 1 Distinguish between the weather and climate.

CO - 2 Understand the composition and structure of atmosphere

CO - 3 Know the concept of heat, insolation and temperature.

CO - 4 Explain variations in wind pattern of the earth and pressure belt

CO - 5 Familiar with the vertical and horizontal distribution of atmospheric air.

CO - 6 Understand the process and types of precipitation.

Expected Skills Impartation

- Understanding skill
- Evaluative skill
- Analytical skill
- Critical Thinking

Module	Title & Content	Hrs.
1	**Atmosphere** 1.1 Meaning and Origin of Atmosphere 1.2 Composition and Structure of Atmosphere 1.3 Weather and Climate 1.4 Elements of Climate	15

2	**Insolation & Temperature** 2.1 Concept of Insolation 2.2 Factors affecting on temperature 2.3 Horizontal Distribution of Temperature 2.4 Vertical Distribution of Temperature	15
3	**Air Pressure & Wind** 3.1 Air pressure 3.2 Pressure Belts on the earth 3.3 Factors affecting on wind 3.4 Types of winds-Planetary wind	15
4	**Humidity & Precipitation** 4.1 Meaning and Definition Humidity 4.2 Types of Humidity 4.3 Forms of Precipitation 4.4 Types of Rainfall	15

References

- Michael Allaby, *Oxford Dictionary of Earth Science* New York: Oxford University Press, 2008.
- K. Briggs, *Physical Geography: Process and System* London: Hodder and Stoughton, 1985.
- P. Dayal, *A Textbook of Geomorphology* Patna: Shukla Book Depot, 1996.
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Medium of Instruction: English

Special instructions, if any: English

Library and laboratory equipment

Evaluation Pattern:	
TotalMarks:100	
Internal Continuous Evaluation: **Activities 40 Marks: For major paper of 4 credit** 1.Project/ Seminar - 20 Marks 2.Online/ offline class test- 20 Marks	***End Semester Examination Question Paper Pattern for 60 Marks*** **Instruction:** **1) All Questions are Compulsory.** **2) All Questions carry equal marks.** **3) Figures to the right indicate full marks.** **Day and Date:** **Total Marks: 60** **Time: Two Hours** ========== **Q. 1. Choose the correct alternatives from the following 15** प्रश्न १ .खालीलपैकी योग्य पर्याय निवडा . **Q.2. Write short notes (*Three out of Four*) 15** प्रश्न २. टीपा लिहा (चार पैकी तीन) **Q.3. Write short answer (*Three out of Four*) 15** प्रश्न ३. थोडक्यात उत्तरे लिहा (चार पैकी तीन) **Q.4. Answer the following question in broad. (One out of Two)** प्रश्न ४. खालील प्रश्नाचे सविस्तर उत्तर लिहा. (दोन पैकी एक) **15**

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Faculty of Science and Technology

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Board of Studies in Geography

Programme: B. A. I	**Semester**- II
Type: Open Elective (OE)	**Marks:** 100
Credits: 4	**From:** June 2024

Course Code: OEGEO01202

Name of the Course: Cartography

Course Objectives: Students should be able to…..

1. To understand different cartographic techniques- graph and diagram.
2. To know how prepare the dot map, choropleth map and flow diagram.
3. To give basic information to the students about S.O.I. top maps and I.M.D. weather maps.
4. To familiarize the students with the concept of surveying & types of surveying.
5. To give basic information to the students about remote sensing, GIS and GNSS

Course Outcome: Students will be able to…..

CO-1. Learner prepares graphs and diagrams
CO-2. Interpret S.O.I. topo maps and I.M.D. weather maps
CO-3. Familiarize with the concept of surveying and types of surveying.
CO-4. Handle the modern technology like computer, GIS, GPS etc.

Expected Skills Impartation

- Understanding skill
- Evaluative skill
- Analytical skill
- Critical Thinking

Module	Title & Content	Hrs.
1	**Cartographic techniques of data representation** 1.1 Graphs- line graphs and bar graphs 1.2 Diagrams-Pie diagram and divided rectangle 1.3 Maps -Dot map and Choropleth map 1.4 Flow diagram	15
2	**Module II - Topographical maps and Weather maps** 2.1 Introduction to SOI topographical map 2.2 SOI Toposheet: Conventional signs and symbols 2.3 Introduction to Weather Maps] 2.4 Indian daily Weather report-signs and symbols	15
3	**Module-III Surveying** 3.1 Introduction to Surveying 3.2 Types of Survey 3.3 Plane Table Survey 3.4 Prismatic Compass Survey	15

4	**Module IV Application of Geo-informatics** 4.1 Introduction to Geo-informatics 4.2 Remote Sensing 4.3 Geographical Information System (GIS) 4.4 Global Navigation Satellite System (GNSS)	15

References

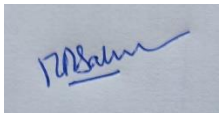
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- अर्जुन कुंभार, *प्रात्यक्षिक भूगोल* डोंबिवली पूर्वसुमेरू प्रकाशन :, २००३.
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Medium of Instruction: English

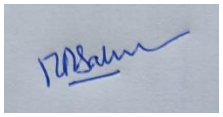
Special instructions, if any: English

Library and laboratory equipment

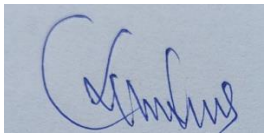
Evaluation Pattern:	
TotalMarks:100	
Internal Continuous Evaluation: **Activities 40 Marks: For major paper of 4 credit** 1.Project/ Seminar - 20 Marks 2.Online/ offline class test- 20 Marks	***End Semester Examination Question Paper Pattern for 60 Marks*** **Instruction:** **1) All Questions are Compulsory.** **2) All Questions carry equal marks.** **3) Figures to the right indicate full marks.** **Day and Date:** **Total Marks: 60** **Time: Two Hours** ========== **Q. 1. Choose the correct alternatives from the following** **15** प्रश्न १ .खालीलपैकी योग्य पर्याय निवडा . **Q.2. Write short notes (*Three out of Four*)** **15** प्रश्न २. टीपा लिहा (चार पैकी तीन) **Q.3. Write short answer (*Three out of Four*)** **15** प्रश्न ३. थोडक्यात उत्तरे लिहा (चार पैकी तीन) **Q.4. Answer the following question in broad. (One out of Two)** प्रश्न ४. खालील प्रश्नाचे सविस्तर उत्तर लिहा. (दोन पैकी एक) **15**



Head
Department of Geography



Chairman
BoS in Geography



Dean
Faculty of Science & Technology