Department of Geography

Program Specific Outcomes(PSO)

B.A. (Geography):

PSO1: Students completing this course will have understanding of Physical and Human Geography.

PSO2: StudentswillacquireintroductoryknowledgeoftheoreticalcourseslikeGeomorphology, Climatology, Oceanography, Economic Geography, Regional Geography, Agricultural Geography, etc.

PSO3: Students will acquire practical skills of Geographical Analysis and techniques in Spatial Analysis.

PSO4: Students will have exposure in the field

PSO5: Students will be able to solve environmental problems through thorough understanding of the subject.

M.A./M.Sc.(Geography):

PSO1: Students pursuing this course will develop a strong footing in the fundamentals and specialize in the disciplines of his/her liking and abilities.

PSO2: Students following this course will develop in depth understanding of various aspects of the subject.

PSO3: Students will learn about the working principles, design guidelines and experimental Skills associated with different fields of Geography such as Geomorphology, Climatology, Economic Geography, Population Geography, Settlement Geography, Remote Sensing and GIS Geo-informatics), etc.

PSO4: Students would be able to solve environmental problems through thorough understanding of the subject.

F.Y. B.A. Geography

Gg 110: Elements of Geomorphology (G- I)

CO1: Understanding of the basic concepts in Geomorphology.

CO2: Applications of Geomorphology in different areas and environment.

CO3: Developing students' awarenessfor protection and conservation of different landforms.

CO4: Understanding basic as well as latest concepts in Geomorphology.

CO5: Applications of Geomorphology in different areas and environment.

CO6: Developing students awareness for protection and conservation of different landforms.

CO7: Realization of problems of erosion by soil and water and developing awareness for conservation of watershed.

S.Y B.A. Geography

Gg 210: Elements of Climatology & Oceanography (G-2)

CO1: Understanding of the basic concepts in Climatology and Oceanography.

CO2: Applications of Climatology and Oceanography in different areas and environment.

CO3: Developing students' awarenessfor protection and conservation of disaster management.

Gg 220: Economic Geography (S-1)

CO 1: Understanding the basic concepts in Economic Geography.

CO 2: Applications of Economic Geography in different areas and development.

CO 3: Understanding various factors of economic development of country.

CO 4: Realization of problems of different economic aspects.

Gg 201: Fundamentals of Geographical Analysis (S-2)

CO 1: Understanding of the students to use various Projections and Cartographic Techniques.

CO2: Understanding of the students with basic of Statistical data and diagrams.
CO3: Understanding of the students with the principles of surveying, its importance and utility in the geographical study.

T.Y B.A. Geography

Gg.-310: Regional Geography of India (G-3)

CO 1: Understanding ofthe students to the basic principles and concepts in Regional Geography of India
CO 2: Understanding ofthe students with the applications of Regional Geography of India in different areas and development.
CO 3: To study the planning Region and Development of India.

Gg.-320: Agriculture Geography (S-3)

CO 1: Understanding ofthe students to the basic principles and concepts in Agriculture Geography
CO 2: Understanding ofthe students with the applications of Agriculture Geography in different areas and development.
CO 3: Understanding ofthe main aim is to integrate the various factors of Agriculture development and to acquaint the students about this dynamic aspect of Agriculture Geography.

Gg 301: Techniques of Spatial Analysis (S-1V)

CO1: Understanding the basic knowledge of SOI toposheet and weather maps.
CO2: Applications of SOI toposheets and weather maps for regional and environmental development.
CO3: Understanding basic concept of Statistics and application of Statistics for research view.
CO4: Understandingthe basic knowledge of GIS aspects.
CO5: Developing observational skills and project-based knowledge.

Faculty of Science

F.Y. B.Sc. Geography

Gg 101: Techniques in Physical Geography - (Paper III)

CO 1: Understanding of the students to use various basic elements of maps ie. scale, projection, direction, slope
CO2: Understanding of the students with basic of relief pattern and landforms, Survey of India topo sheet.
CO3: Understanding of the students with the working of weather instruments, Weather maps charts, use of satellite for weather forecasting and utility in the geographical study.
CO4: Acquiring the knowledge about various techniques in physical geography.
CO5: Using techniques of preparation of specific maps and their geographical interpretation.
CO6: Explaining the weather instruments, their utility and applications in geographical phenomena.
CO7: Understanding use of satellite imageries in weather forecasting.
CO8: Knowing the different data sources related to weather forecasting.

Gg 110: Paper I- Geomorphology (Paper I)

CO1: Understanding of the basic concepts in Geomorphology.
CO2: Applications of Geomorphology in different areas and environment.
CO3: Developing students' awarenessfor protection and conservation of different landforms.

Gg 120: Paper II - Climatology and Oceanography (Paper II)

CO 1: Understanding of basic principles and concepts in climatology and oceanography.
CO2: Applications of climatology and oceanography in different areas and environment.
CO3: Developing students aware of the planet earth and thereby and enrich the student's life

S.Y.B.Sc. Geography

Gg 211: Geography of Resources–I (Sem I)

CO1: Introducing the basic concepts in Geography of Resources.
CO2: Understanding basic fundamental concepts of resources.

CO3: knowing about past, present and future utility and potentials ofresources at regional, national and global levels.
CO4: Making awareness about problems of utilization and conservation of resources in the view of sustainable development.

Gg 211: Geography of Resources–Ii (Sem Ii)

CO1: Understanding production and distribution of different mineral resources in India and world.
CO2: Understanding production and distribution of different energy resources in India and world.
CO3: Comprehending the importance of human resources.
CO4: Developing students' awarenessfor protection and conservation of different resources.

Gg 212: Paper- II: Watershed Management - I

CO 1: Understanding of the concepts in Watershed Management.
CO 2: Attentive of the importance of Watershed Management.
CO 3: Should know problems of watershed management.
CO 4: Realization of problems of erosion by soil and water.
CO 5: Understanding of various hydrological processes.

Gg 221: Paper –II: Watershed Management - II

CO1: Identifyand describe the various methods of resource appraisal in watershed.
CO2: Understanding of importance of watershed management in national development.
CO3: Creating awareness for water harvesting techniques for water conservation.
CO4: Application of soil conservation measures.
CO5: Introducing role of watershed development programme for rural and integrated watershed development

M.A./M.Sc. Geography: First & Second year

M.A. /M. Sc. Geography Semester First:

Gg 101: Principles of Geomorphology

CO1: Understanding of the basic concepts in Geomorphology.
CO2: Applications of Geomorphology in various environments.
CO3: Developing students' awareness for protection and conservation of geomorphic features.

Gg 102: Principles of Climatology

CO1: Understanding of the basic concepts in Climatology and Oceanography.
CO2: Applications of Climatology and Oceanography in different areas and environment.
CO3: Developing students' awareness for protection and conservation of disaster management.

Gg 103: Principles of Economic Geography

CO1: Understanding of the basic concepts in economic Geography
CO2: Applications of Economic Geography in different areas and industrial sectors.
CO3: Developing students' awareness for protection land, water and earth surface.

Gg 104: Principles of Population & Settlements Geography

CO 1: Understanding of the students to use population sources for getting population information.
CO2: Understanding of the students with basic compositions of population.
CO3: Understanding of the students with the various theories of population & migration.

Gg 105: Practicals in Physical Geography

CO1:Understanding of various techniques in geomorphology and climatology.
CO2: Creating drainage basin and Climograph.
CO3: Developing weather forecasting attitude.
CO4: Application of modern techniques in drainage basin and weather data analysis.
CO5: Introducing various climatological regions of India.

Gg 106: Practicals in Human Geography

CO1: Understanding of various techniques in Agriculture, population and Settlement.
CO2: Creating maps on varioustechniques in Agriculture, populati and Settlement.
CO3: Understanding of the students of various techniques, its importance and utility in the geographical study.

M.A. /M. Sc. Geography Semester Second:

Gg 202: Practicals in Cartography

CO1: Understanding of the basic concepts in cartography techniques.
CO2: Applications of cartographic techniques in research areas and industrial sectors.
CO3: Developing students' with knowledge of data representation by various techniques.

Gg-203: Practical in Surveying and Field visit

CO 1: Understanding various concepts and terms of surveying and level
CO2: Learn the art of surveying with the help of the instruments like dumpy level and the odolite.
CO3: Understanding the various field surveys and plotting methods of dumpy level and the odolite.

Gg 204: Geography of Tourism

CO 1: Understanding of basic principles and concepts in Tourism.
CO2: Applications of Tourism in different areas and environment.
CO3: To study the impacts of tourism.

Gg 205: Geography of Disaster Management

CO1: Understanding of various natural and man-made disasters
CO2: Creating awareness for minimizing impact of disaster.
CO3: Developing individual role in disaster management.
CO4: Application of modern techniques in disaster management.
CO5: Introducing various disaster prone zones of India.

Gg.-208: Geoinformatics- Paper I

CO 1: Introducing students with the new dimension of Geospatial science
CO 2: Understanding the term GIS and Its Component
CO 3: Understanding the data structure, format, models and database management
CO 4: Introducing the GPS and their functions

Gg 209: Geoinformatics- Paper II

CO 1: Introducing the term Remote Sensing and its development, future and component
CO 2: Understanding the physical basis of remote sensing
CO 3: Understanding the geometric properties of the aerial photographs

Gg 210: Coastal Geomorphology

CO1: Understanding of various concepts in Coastal Geomorphology.
CO2: Creating awareness about causes and consequences of increasing sea level changes
CO3: Introducing various current coastal issues and enrich coastal environment.
CO4: Creating awareness regarding protection and conservation of coastal sites

M.A./M. Sc. Geography Sem.III

Gg.-301: Geography of India with special reference to Maharashtra

CO 1: Understanding to the students to the basic things of India & Maharashtra.
CO 2: Understanding to the students with the geological structure of India & Maharashtra.
CO 3: Understanding of the students Climate, Agriculture & Industrial things of India.

Gg-302: Interpretation of Topographical Maps &Village Survey / Project work

CO1: Understanding of SOI and OS Map Characteristics (Their Symbols, Indexing and Specific Elements)
CO2: Understanding of elements of interpretation.
CO3: Learning art of Visual Interpretation.

Gg-303: Research Method in Geography

CO1: To introduce students about current trends of research in Subject of geography
CO2: To introduce students about various techniques of research in subject of geography.

CO3: A waring students with component of field work and project writing.

Gg 304: Social & Cultural Geography

CO1: Understanding to the students' nature & scope of social & cultural Geography
CO2: Creating maps on varioustechniques in Agriculture, population and Settlement.
CO3: Understanding of the students of various techniques, its importance and utility in the geographical study.

Gg 310: Tropical Geomorphology

CO1: Understanding the basic concepts in Tropical Geomorphology.
CO2: Introducing various relief characteristics and peculiarities of tropical climate.
CO3: Understanding development of tropical landscapes, processes and products of tropical Weathering.

Gg 320: Multivariate Statistics

CO1: Realizing the concept of matrices and operations of matrices.
CO2: Computing the bivariate curvilinear and multiple regression analysis.
CO3: Computing and applying the concepts of trend surface, principal component and factor analysis.
CO4: Utilizing and implementing the multivariate techniques in geographical analysis.

Gg-305: Practicals in Watershed analysis

CO 1: Understanding of the concept of Watershed Management.
CO 2: Understanding morphometric characteristic through Aerial, Relief and Linear Aspect.
CO 3: Learning the DEM based analysis of Watershed (software based)
CO 4: Understanding Hypsometric Profile Drawing.

M.A./M. Sc. Geography Semester: IV

Gg401: Theoretical and Applied Geography

CO 1: Getting knowledge regarding the historical development of geography through different periods
CO 2: Understanding the Various dichotomies during the development of geography
CO 3: Understanding the recent terms in geography

Gg402: Principles of Remote Sensing and GIS

CO 1: Introducing students with the new dimension of Geospatial science
CO 2: Understanding the term GIS and Its Component
CO 3: Understanding the data structure, format, models and database management
CO 4: Introducing the term Remote Sensing and its development, future and component
CO 5: Understanding the physical basis of remote sensing

Gg 403: Practicals in Remote Sensing and GIS

CO1: Understanding the concepts of remote sensing and GIS.
CO2: Understanding the geometry of aerial photographs.
CO3: Knowing and interpreting the aerial photographs and satellite images.
CO4: Digitizing different layers in raster and vector formats

Gg 404: Geography of Food Security of India

CO 1: Understanding of the students to importance of food and security of food in India.
CO2: Understanding of the students with Economic of food & Food sovereignty.
CO3: Understanding to the India's food security Bill knowledge of spatial and temporal things.

Gg405: Geography of Health

CO 1: Understanding to the students to the Geography of Health
CO 2: Understanding to the students with the geographical factors and its effects on health.
CO 3: Understanding of the students Health care systems in India.

Gg 406: Practicals in Advanced Surveying

CO1: Understanding to the students GPS and its applications.

CO2: Creating maps on varioustechniques in Agriculture, population and Settlement.

CO3: Understanding of the students of various techniques, its importance and its utilization in research sectors.

Gg 423: Oceanography

CO 1: Understanding of basic principles and concepts in oceanography.

CO2: Applications of oceanography in different areas and environment.

CO3: Developing students aware of the oceanography and thereby and enrich the student's life.

Gg 441: Principles of Regional Geography & Project Work

CO1: Understanding to the students of regional geography and its principles.

CO2: Understanding the regional disparities causes and effects.

CO3: The study of Regional Geography with issues and solutions.