R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20 (Odd Semester)

Learning Objective & Outcomes
B.A. 1st Semester

Subject: Geography of India   **Subject Code: 101**

Learning Objective

1. Students will get an introduction with major regions of the India in terms of both their socio-physical uniqueness and similarities.
2. Students will learn about the relationships between the global, the regional and the local, particularly how places are inserted in regional and global processes.
3. Students will be exposed to historical, economic, cultural, social and physical characteristics of India.
4. Students will be introduced to demographic, social and cultural attributes such as migration, social relations and cultural identity.
5. Students will get to know about basic land use /land cover pattern, agricultural practices and industries of India.
6. The will also get to know about the status of transport and communication infrastructure of India
7. In addition to the ability of understanding and reading maps and scales, students will develop cartography skills and will be able to create geographic maps on their own.

Learning Outcomes

After the completion of the course, Students will be able to

1. Identifying and explaining the Indian Geographical Environment, from global to local scales.
2. Applying geographical knowledge to everyday living by collecting and understanding the information of geographic phenomenon at local and continental scale.
3. Showing an awareness and responsibility for our nation, its resources, ecology and culture.

Learning Objective & Outcomes
B.A. 2nd Semester

Subject: Physical Geography I   **Subject Code: 103**

Learning Objective

1. Students will understand the concept of place and how it is connected to people's sense of belonging to the physical environment, landscape and culture.

2. Students will be able to understand the formation of landforms their structure, process and time.

3. Students will be able to read and interpret information on different types of physical features maps.

4. Students will learn Man-landform interaction, Natural Hazards

Learning Outcomes

After the completion of the course, Students will be able to

1. Student will be able to understand the historic development process of landforms.

2. Identifying and explaining the planet's human and physical characteristics and processes, from global to local scales.

3. It will help to understand the possible impacts and associations of human activities on natural environments.

4. Showing an awareness and responsibility for the environment.

Learning Objective & Outcomes
B.A. 3rd Semester

Subject: Physical Geography II   Subject Code: 201

Learning Objective

1. The atmosphere and climate are a critical part of the earth system, and climatic variability and change are central to the issue of current and future global environmental change. The Major objective of course is to introduce to the students the fundamentals of atmospheric phenomena, global climate systems.

2. To understand the dynamics of the atmosphere and the ocean.
3. To be able to analyse and interpret climatic data

Learning Outcomes

After the completion of the course, Students will be able to

1. Student will be able to understand nature and mechanism of common climatic and weather phenomena.
2. Students will be able to understand the Changing nature of climatic phenomena and their possible effects.
3. Students will be able to know about the relief feature of ocean, there formation and distribution of biotic, abiotic resources in marine environment.
4. Students will be able to understand the effect of extra terrestrial bodies (Sun and moon) on earth.
5. Students will came to know about various natural and anthropogenetic contributors of global warming and climate change. It will create necessary awareness among students.

Learning Objective & Outcomes
B.A. 4th Semester

Subject: Human Geography   **Subject Code: 203**

Learning Objective

1. Students will develop a solid understanding of the concepts of "space," "place" and "region".
2. Students will learn about different anthropogenetic species, their culture and geographic distribution.
3. Student will know about nature of man-environment relationship by having learning of some case studies.
4. Students will also come to know about general demographic principles and their patterns at regional and global scales.
5. Students will understand global and regional patterns of cultural, political and economic institutions, and their effects on the preservation, use and exploitation of natural resources and landscapes

Learning Outcomes

After the completion of the course, Students will be able to

1. Students will acquire an understanding of and appreciation for the relationship between man and environment.
2. Students will be able to know about global human population patterns, its distribution and mobility, habitats, occupations and networks, and human impacts on the physical environment.
3. Students will have a general understanding of how the physical environment, human societies, and local and global economic systems are integral to the principles of sustainable development.
4. Students will have a general understanding of the various theoretical and methodological approaches in both physical and human geography and be able to develop research questions and critically analyze both qualitative and quantitative data to answer those questions.
5. Students will be able to present completed research, including an explanation of methodology and scholarly discussion, both orally and in written form and, wherever possible, utilize cartographic tools and other visual formats.
6. Students will be able to read, interpret, and generate maps and other geographic representations as well as extract, analyze, and present information from a spatial perspective.

R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20 (Odd)

Learning Objective & Outcomes
B.A. 5th Semester

Subject: Economic Geography   **Subject Code: 301**

Learning Objective

1. This course offers an introduction to the ways in which economic activities are organized over the earth's surface.
2. The economic processes operating at different geographical scales are depending on the complex economic-political-social interactions that are framed at the global level.
3. The course explores the processes of socio-cultural integration at global level.
4. Seeks to provide understanding of today's increasingly interdependent world.

Learning Outcomes

After the completion of the course, Students will be able to

1. Assess how society and economic actors organize themselves in space, the factors driving these complex spatial patterns, and the implications these spatial configurations have for the socioeconomic well-being of affected groups and societies.
2. Recognize the significance of geographic concepts for understanding socio-economic processes and outcomes.
3. Appraise the different ways in which time and space interact and constrain each other with regards to economic activities and articulate how economic processes can be broken down into changes over time and variations across space.

4. Appreciate the complexity of economic development processes taking place across the world and how these are influenced by space.
5. Relate course content to current economic, social, and political events, and identify some of the geographical trends in economic processes and likely outcomes for societies.

R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20 (Even)

Learning Objective & Outcomes
B.A. 6th Semester

Subject: Remote Sensing & GIS   **Subject Code: 303**

Learning Objective

1. The aim of this course is to apprise the students to various aspects of Aerial photographs, Remote Sensing and GIS.
2. It will be teach about the important elements of the Geospatial technology.
3. This course introduce about the satellites types, their orbits and significance.
4. It will also give the basic statistical skills to students.

Learning Outcomes

After the completion of the course, Students will be able to

1. Students will demonstrate knowledge of the foundations and theories of geographic information systems (GIS) and use the tools and methods of GIS.
2. Student will be familiar with modern techniques in Geography.
3. Students will be prepared to apply their skills in professional careers.
4. Students will be able to use basic RS, GIS and statistical skills.

Learning Objective & Outcomes
M.Sc. (Geography) 1st Semester

Subject: Climatology   **Subject Code: GEOG-101**

Learning Objective

1. To introduce the students the fundamentals of atmospheric phenomena, global climate systems and climate change.

2. The atmosphere and climate are a critical part of the earth system, and climatic variability and change are central to the issue of current and future global environmental change.

3. To grasp the techniques for modelling the climate, covering both theoretical and technical aspects.

4. To understand the dynamics of the atmosphere, the ocean and the overall climatologically system.

5. To be able to analyse and interpret climatic data.

Learning Outcomes

After the completion of the course, Students will be able to

1. Understand the physical basis of the natural greenhouse effect, including the meaning of the term radioactive forcing.

2. Know something of the way various human activities are increasing emissions of the natural greenhouse gases, and are also contributing to sulphate aerosols in the troposphere.

3. Demonstrate an awareness of the difficulties involved in the detection of any unusual global warming 'signal' above the 'background noise' of natural variability in the Earth's climate and of attributing (in whole or in part) any such signal to human activity.

4. On successful completion of this course, students should be able to understand the mean global atmospheric circulations and disturbances, world climate systems, climatic variability and change.

Learning Objective & Outcomes

M.Sc. (Geography) 1st Semester

Subject: Geomorphology   **Subject Code: GEOG102**

Learning Objective

1. To assess how different scales of time and space affect geomorphological processes.

2. To explain and apply geomorphological methods used in research today

3. To describe the exogenous and endogenous processes in the landscape, their importance in landform development, and distinguish the mechanisms that control these processes

4. To assess how different scales of time and space affect geomorphological processes.

5. Students will understand the fundamental concepts of spatial interaction and diffusion, which explain how human activities are influenced by the concept of distance.

6. To analyze how variations in climate, tectonics and environment affect the development of landforms.

Learning Outcomes

After the completion of the course, Students will be able to

1. Describing human-environment, and nature-society interactions as well as global human and environmental issues.

2. Identifying and explaining the planet's human and physical characteristics and processes, from global to local scales.

3. Evaluating the impacts of human activities on natural environments.

4. Applying knowledge of global issues to local circumstances to evaluate the local effects of the issues.

5. Showing an awareness and responsibility for the environment.

R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20(Odd)

Learning Objective & Outcomes
M.Sc. (Geography) 1ˢᵗ Semester

Subject : Advance Geography of India   **Subject Code : Geo-103**

Learning Objective

1. Students will get an introduction to the main regions of the India in terms of both their uniqueness and similarities.

2. Students will be exposed to historical, economic, cultural, social and physical characteristics of India.

3. Students will learn the relationships between the global, the regional and the local, particularly how places are inserted in regional and global processes.

4. In addition to the ability of understanding and reading maps, students will develop cartography skills and will be able to create maps on their own.

5. Students will be introduced to demographic, social and cultural attributes such as migration, social relations and cultural identity.

Learning Outcomes

After the completion of the course, Students will be able to

1. Identifying and explaining the Indian Geographical Environment, from global to local scales.

2. Applying geographical knowledge to everyday living.

3. Applying knowledge of global issues to a unique scientific problem.

4. Showing an awareness and responsibility for the environment and India.

5. Evaluating the impacts of human activities on natural environments special reference to India.

R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20(Odd)

Learning Objective & Outcomes
M.Sc. (Geography) 1st Semester

Subject : Urban Geography   **Subject Code : Geo-109**

Learning Objectives

1. To Gain an awareness of the richness, complexity, and variety of human phenomena on an urban scale.
2. Cultivate an understanding of topics such as urban ecology, population, im/migration, public transportation, poverty, homelessness, work and unemployment, policing, gentrification, counter-culture, and the right to the city.
3. To make student able to understand development patterns and related theories for urban space.
4. Improve writing, facilitation, and textual analysis skills in a productive and supportive environment.

Learning Outcomes

1. Acquire knowledge of geographical concepts such as space and scale.
2. Develop and demonstrate independent thought and academic skills through written and Presentation-based assignments.
3. Student will learn the nature of growth and development of urban centres.

R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20(Odd)

Learning Objective & Outcomes
M.Sc. (Geography) 1st Semester

Subject: Cultural Geography   **Subject Code: Geo-112**

Learning Objective

1. Students will get an introduction to the evolution of cultural geography.

2. Students will be exposed to historical, economic, cultural, social and physical characteristics of Indian and world tribes.

3. Students will learn the relationships between the cultural region and cultural realm.

4. Improve writing, facilitation, and textual analysis skills in a productive and supportive environment.

Learning Outcomes

1. Students will be able to understand that the man is as modifier of earth spatial structure.

2. Students will be able to know about the historical development of cultural geography.

3. This paper will make them able to know about the level of contribution done by various Indian as well as foreign scholars in the field of the development of population geography.

4. Students will be able to know about the human races of the whole world.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes

M.Sc. (Geography) 2nd Sem.

Subject: Geographical Thought   **Code: GEOG 201**

Learning Objective

This Course Enables the Student to

1. To give information about development history of Geographical Knowledge

2. Students will learn about the contributions of various geographers/scholar in development of geographical thoughts or knowledge.

3. To make the understanding about various paradigm shift and revolutions in geographical studies.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Students will be able to understand the circumstances and sequence of development of geographical thoughts/knowledge.

2. Students will be able to know about the related historic works available in form of books, manuscripts etc.

3. This paper will make them able to know about the level of contribution done by various Indian as well as foreign scholars in the field of the development of geographical thoughts or knowledge.

Learning Objective & Outcomes

M.Sc.2nd Semester

Subject: Statistical Methods in Geography   **Course Code: 204**

Learning Objective

1. Students will develop understanding of the concepts of Statistics and significance of statistics in geographical studies.
2. Students will learn about different types of data and their collection methods.
3. Student will know about **Measures of Central tendency**:-**Mean, Median and Mode**.
4. Students will also come to know about general classifications of statistical data.
5. Students will understandMeasure of Dispersion, Bivariate analysis and their uses of geographical studies.

Learning Outcomes

After the completion of the course, Students will be able to

1. Students will acquire an understanding of and appreciation for the relationship between Quantitative data and Geographical studies.
2. Students will be able to know about various data measurement types.
3. Students will have a general understanding of how to data collection for research work and others geographical analysis.
4. Students will have a general understanding of the various theoretical and methodological approaches in both physical and human geography and be able to develop research questions and critically analyze both qualitative and quantitative data to answer those questions.
5. Students will be able to present completed research, including an explanation of methodology and scholarly discussion, both orally and in written form and, wherever possible, utilize cartographic tools and other visual formats.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes
M.Sc.(Geography) 2nd Sem.

Subject: Oceanography   **Subject Code: GEOG 209**

Learning Objective

This Course Enables the Student to

4. Understand Nature and scope of oceanography, distribution pattern of land and water, origin of ocean basins.

5. Understand various features of ocean basin, Configuration of ocean floor Indian Ocean, AtlanticOcean and Pacific Ocean.

6. Understand origin of ocean currents, types and dynamics of all main oceans.

7. Understand physical and chemical properties of water.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

4. Students will be able to know about nature of oceans and distribution pattern of land and water.

5. They will be able to know basic concept of ocean basin and various theories about the origin of oceanic basins.

6. They will be able to know origin of ocean currents.

7. They will be able to know physical as well as chemical properties of water of all main oceans etc.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes

M.Sc. (Geography) 2ndSem.

Subject: Population Geography   **Code: GEOG 203**

Learning Objective

This Course Enables the Student to

1. To give information about Conceptual framework and historical development of population and population geography.

2. Understand population dynamics and migration.

3. To make the understanding about Population Distribution and Density, Factors and Determinants,

4.   To make the understanding about population growth and economic development,

Environmental quality and Population Policies of India

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Students will be able to understand the population growth and economic development,

Environmental quality, Population Policies of India

2. Students will be able to know about the historical development of population and population geography.

3. This paper will make them able to know about the level of contribution done by various Indian as well as foreign scholars in the field of the development of population geography.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes
M.Sc. (Geography) 2ndSem.

Subject: Economics Geography   **Code: GEOG 202**

Learning Objective

This Course Enables the Student to

1. This course offers an introduction to the ways in which economic activities are organized over the earth's surface.
2. The economic processes operating at different geographical scales are depending on the complex economic-political-social interactions that are framed at the global level.
3. The course explores the processes of socio-cultural integration at global level.
4. Seeks to provide understanding of today's increasingly interdependent world.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Assess how society and economic actors organize themselves in space, the factors driving these complex spatial patterns, and the implications these spatial configurations have for the socioeconomic well-being of affected groups and societies.

2. Recognize the significance of geographic concepts for understanding socio-economic processes and outcomes.

3. Appraise the different ways in which time and space interact and constrain each other with regards to economic activities and articulate how economic processes can be broken down into changes over time and variations across space.

4. Appreciate the complexity of economic development processes taking place across the world and how these are influenced by space.

5. Relate course content to current economic, social, and political events, and identify some of the geographical trends in economic processes and likely outcomes for societies.

Learning Objective & Outcomes

M.Sc. (Geography) 3rd Semester

Subject: Regional Planning and Development   **Subject Code: GEOG 301**

Learning Objective

1. To introduce the concept of region, its type and components.

2. To introduce basic model/theories of regional development.

3. To make student able to understand the functional aspect of regions and their inter dependency.

4. To introduce student the planning principles, their application and experiences.

5. To give the knowledge of regional imbalances, their causes and planning.

Learning Outcomes

1. Student will be able to understand the concept of region.

2. It will make student able to classify region in various classes.

3. Student will be able to measure region, regional disparities and variations

4. Student will be able to understand and propose planning for a problem region.

5. Student will get to know the regional development scenario of the India.

Learning Objective & Outcomes

M.Sc. (Geography) 3rd Semester

Subject: Environmental Geography   **Subject Code: GEOG 302**

Learning Objective

1. To introduce the basic concepts of environmental, ecology and its functioning.

2. To introduce the various types of ecological setting and their influences.

3. To teach our student the factors affecting the natural setting and formation of various environments and its possible consequences.

4. To aware student about environmental disasters and emerging challenging before stability of environment.

Learning Outcomes

Following outcomes will be there in completion of this course

1. Student will have better knowledge of various components of environmental and their inter relationship.

2. Appreciate the ethical, cross-cultural, and historical context of environmental issues and the links between human and natural systems.

3. Student will be awared about changes in Environment

4. Student will be more sensitive to environment.

Learning Objective & Outcomes

M.Sc. (Geography) 3rd Semester

Subject: Remote Sensing   **Subject Code: GEOG 303**

Learning Objective

1. The aim of this course is to introduce the students about various aspects of Remote Sensing and its functioning.

2. This course introduces the satellites types, their orbits and significance.

3. Application of remote sensing will also be taught to students.

4. This course will introduce the basic concept of electromagnetic spectrum, its uses in remote sensing and interaction with atmosphere and earth surface.

1. Learning Outcomes

After the completion of the course, Students will be able to

1. Students will demonstrate knowledge of the foundations and theories of Remote sensing Process.

2. Student will be familiar with modern techniques of remote sensing in Geography.

3. Students will be prepared to apply their skills in professional careers.

4. Students will be able to use basic RS, GIS and statistical skills.

Learning Objective & Outcomes
M.Sc. (Geography) 3rd Semester

Subject: Geographical Information System   **Subject Code: GEOG304**

Learning Objective

2. The aim of this course is to introduce the basic concepts of Geographical Information System (GIS).

3. It will be teach about the important elements and functioning of GIS.

4. This course introduces data type, components of GIS and available techniques in this field.

5. It will also teach about application of GIS.

Learning Outcomes

After the completion of the course, Students will be able to

1. Students will demonstrate the knowledge of the foundations and theories of geographic information systems (GIS) and use the tools and methods of GIS.

2. Student will be familiar with modern techniques in Geography.

3. Students will be prepared to apply their skills in professional careers.

Learning Objective & Outcomes
M.Sc. (Geography) 3rd Semester

Subject: Agricultural Geography   **Subject Code: GEOG309**

Learning Objective

1. To introduce the basic concept of Agriculture, Agricultural Geography and its development history.
2. To inform students about world agricultural scenario by introducing them world agricultural regions.
3. Basic theories of agricultural development will be taught to learners.
4. Student will came to know about agricultural development scenario of the world as well as India.

Learning Outcomes

1. Student will be able to understand the development of agriculture in the world as well as in India.
2. Student will be able to understand regional variation in agriculture pattern and in its development.
3. Student will be able to apply the measurement techniques and methods of agricultural intensity and productivity.

R. P. S. Degree College, Balana, Mahendergarh, Haryana
Department of Geography
2019-20 (Even)

Learning Objective & Outcomes

M.Sc. 4th Semester

Subject: Fundamentals of Remote Sensing & GIS   Course Code: 401

Learning Objective

1. The aim of this course is to apprise the students to various aspects of Aerial photographs, Remote Sensing and GIS.

2. It will be teach about the important elements of the Geospatial technology.

3. This course introduce about the satellites types, their orbits and significance.

4. It will also know about applications of remote sensing.

Learning Outcomes

After the completion of the course, Students will be able to

1. Students will demonstrate knowledge of the foundations and theories of geographic information systems (GIS) and use the tools and methods of GIS.

2. Student will be familiar with modern techniques in Geography.

3. Students will be prepared to apply their skills in professional careers.

4. Students will be able to use basic RS, GIS and statistical skills.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes
M.Sc.(Geography) 4thSem.

Subject: Research Methodology   **Subject Code: GEOG 401**

Learning Objective

This Course Enables the Student to

1. Understand the Research process and Significance of research in Geography, Research problem and need for selecting a research problem and Formulation of Research hypothesis etc.
2. Understand basic concepts of research design.
3. Learn Sampling design and merits and limitations of random and non- random sampling design.
4. Understand meaning and sources of primary and secondary data, their sources and various methods of primary data collection.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Students will be able to define research process and its importance in Geography and they will be able to know all necessities while selecting a research problem.
2. They will be able to know basic concept of research design.
3. They will be able to know sampling design and their characteristics.
4. They will be able to know sources of primary and secondary data and various methods of collecting primary data as Interview, Questionnaire and schedule methods etc.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes
M.Sc.(Geography) 4thSem.

Subject: Settlement Geography   **Subject Code: GEOG 402**

Learning Objective

This Course Enables the Student to

1. Understand the nature and scope of rural settlement geography and its importance.
2. To provide clear understanding of division of labour engaged into type of production.
3. To provide better understanding of modernized need in settlements due to increase in family and day to day changing behaviours of the habitats.
4. To understand the socio-cultural values and ethos of people of rural as well as urban areas.
5. To understand human settlement approach at global level.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Students will be able to understand the nature and scope of rural settlement geography and its importance.
2. Student will be able to have clear understanding of division of labour engaged into type of production.
3. They will be able to have better understanding of modernized need in settlements due to increase in family and day to day changing behaviours of the habitats.
4. They will be able to understand the socio-cultural values and ethos of people of rural as well as urban areas.
5. They will be able to understand human settlement approach at global level.

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes
M.Sc.(Geography) 4thSem.

Subject: Population Explosion & Sustainable Development   Subject Code: GEOG405

Learning Objective

This Course Enables the Student to

1. To give information about Conceptual framework and historical development of population and population geography.

2. Understand population dynamics and migration.

3. To make the understanding about Population Distribution and Density, Factors and Determinants,

4. To make the understanding about population growth and economic development, Environmental quality and Population Policies of India

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Students will be able to understand the population growth and economic development, Environmental quality, Population Policies of India

2. Students will be able to know about the historical development of population and population geography.

3. This paper will make them able to know about the level of contribution done by various Indian as well as foreign scholars in the field of the development of population geography

RPS Degree College, Balana (Mahendergarh)

Department of Geography

Session 2019-20 (Even)

Learning Objective & Outcomes
M.Sc.(Geography) 4th Sem.

Subject: Natural Hazard and Disaster Management   Subject Code: GEOG403CC

Learning Objective

This Course Enables the Student to

1. To give information about Concept of Hazard, Risk, Vulnerability and Disaster.

2. Understand Natural Hazards and Disasters: definition, nature and classification.

3. To make the understanding about - causes, effects, mitigation measures and regional distribution of hazards and disaster.

Learning Outcomes

Upon successful completion of this course it is intended that a student will be able to:

1. Students will be able to understand the Management of Natural Hazards and Disasters and Pre-Disaster Planning and Management - Prevention, Preparedness, and Mitigation.

2. Students will be able to know about the Post Disaster Management: Rescue, Relief, Recovery and Rehabilitation.

3. This paper will make them able to know about the Role of National and International Agencies; Role of Remote Sensing, GIS and GPS in Disaster Management.