

**Institute for Excellence in Higher Education (IEHE),
Bhopal (MP)**



**NAAC Re-accredited (Third Cycle) Autonomous College
Under the UGC Scheme with 'A' Grade (CGPA-3.10)**

**Program Outcomes (POs),
Program Specific Outcome (PSOs)
&
Course Outcomes (COs)
of
Department of Geography**

**B.A./B.Sc. (Honours) Geography
(Session: 2021-2022)**

COURSES OFFERED IN THE INSTITUTE

Under Graduate Courses

- B.Com. Honours (Management/Account)
- **B.A. Honours** (Economics/History/Psychology/Sociology/Political Science/English Literature/Hindi Literature/**Geography**/Fashion Designing)
- **B.Sc. Honours** (Physics/Chemistry/Mathematics/Electronics/Biotechnology/**Geography**/Forensic-Science)

Post Graduate Courses

- MA (English)
- MA (Economics)
- MA (Social Work)
- MA (History)
- MA (Public Administration)
- MA (Political Science)
- M.Com. (Management)
- M.Sc. (Physics)
- M.Sc. (Chemistry)
- M.Sc. (Biotechnology)
- M.Sc. (Mathematics)

Diploma Programme

- 14 Vocational Programmes

Certificate Programme

- 31 Vocational Programmes

Training Programmes

- 09 Vocational Programmes

Special Programmes

- 03 Vocational Programmes

Program Outcomes (PO) of the Under-Graduate Courses Offered in the Institute

- PO1: Domain Knowledge:** Capable of demonstrating comprehensive knowledge & understanding of one or more other disciplines that form a part of an undergraduate programme of study.
- PO2: Critical Thinking:** Critically evaluate practices, policies and theories by following scientific approach to knowledge development. Take informed actions after identifying the assumptions that frame our thinking and actions, checking out the degree to which these assumptions are accurate and valid, and looking at our ideas and decisions (intellectual, organizational, and personal) from different perspectives.
- PO3: Problem Solving and Analytical Skills:** Ability to think rationally, analyse situations and solve problems adequately.
- PO4: Information and Digital Literacy:** Capability to use ICT in a variety of learning situations. Demonstrate ability to access, evaluate and use a variety of relevant information sources; and use appropriate software for analysis of data.
- PO5: Communication Skills:** The capacity to communicate effectively using appropriate media, to present complex information in a clear & concise manner. Acquire the learning abilities by focusing on LSRW (Listening, Speaking, Reading & Writing skill, which provide a stage to the students to sharpen their capacity to learn more.
- PO6: Social Interaction and sensitivity towards the societal issues:** Work effectively and respectfully with diverse teams; facilitate cooperative or coordinated effort on the part of a group and act together as a group or a team in the interests of a common cause. Elicit views of others, mediate disagreements and help reach conclusions in group settings.
- PO7: Self-directed & Life-long Learning:** Acquire the potential to engage in independent & life-long learning in the broadest context socio-technological changes. Critical sensibility to live experiences, with self-awareness and reflexivity of both and society.
- PO8: Environment and Sustainability:** Understand the issues of environmental contexts & sustainable development.
- PO9: Moral and Ethical Awareness:** Ability to embrace moral/ethical values in conducting one's life, possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to effectively engage in a multicultural society and interact respectfully with diverse groups.
- PO10: Effective Citizenship:** Demonstrate empathetic social concern and equity centred national development, and the ability to act with an informed awareness of issues and participate in civic life through volunteering.
- PO11: Research-related skills:** A sense of inquiry and capability for asking relevant/appropriate questions, problematizing, synthesizing and articulating; Ability to recognize cause and effective relationships, define problems, formulate hypotheses, interpret and draw conclusions from data, ability to plan, execute and report the results of an experiment or investigation. Efficiency to apply one's learning to real life situations or in interdisciplinary areas.
- PO12: Leadership and Management Skills:** Competence to use skills in organizing for people to reach a shared goal. During leading a project, ability to motivate others to complete a series of tasks, often according to a schedule.
- PO13: Employability and Entrepreneurial Skill:** Ability to develop employability skills such as, positive attitude, good business sense, willingness to learn, resilience, ability to work under pressure, optimism, adaptability, perseverance and motivation, and a host of similar skills.

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PROGRAMME OUTCOMES (PO): B.Sc.

Predefined Programme Outcomes	<i>Students taking admission to this program of B.Sc. get equipped with following outcomes:</i>
PO1	Domain Knowledge: Acquiring knowledge of fundamentals, basic Mathematics, domain knowledge of proper scientific models and Computing Specialization from defined problems and explaining the basic scientific principles and methods.
PO2	Scientific thinking: Inculcating scientific thinking and awareness, getting an ability to use necessary current techniques, skills, and modern tools.
PO3	Problem Analysis: Identifying, formulating, & analysing complex problems, reaching substantiated conclusions using first principles of Mathematics, natural sciences and electronic sciences.
PO4	Communication: Communicate concepts, designs, and solutions of scientific activities effectively and professionally with society at large.
PO5	Information & Digital Literacy: Capability to use ICT in a variety of learning situations. Demonstrate ability to access, evaluate and use a variety of relevant information sources; and use appropriate software for analysis of data.
PO6	Ethical Awareness: Ability to embrace moral/ ethical values in conducting one's life, possess knowledge of the values and beliefs of multiple cultures and a global perspective; and capability to support the values required for collaborative work such as mutual trust & fairness.
PO7	Environment & Sustainability: Understanding the impact of scientific solutions on societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
PO8	Self-directed and Life-long Learning: Acquire the ability to engage in independent and life- long learning in the broadest context socio-technological changes. Critical sensibility to live experiences, with self-awareness and reflexivity of both and society.
PO9	Research-related skills: <ul style="list-style-type: none"> • Acquiring familiarity with emerging areas of different subjects in science and their applications in various spheres of sciences and getting appraise of its relevance in future studies. • Getting ability to apply various statistical tools to research problems and ability to build statistical knowledge and knowing the statistical organization in India and abroad. • Developing scientific intuition, ability and techniques to tackle problems either theoretical or experimental in nature.
PO10	Employability Skill: Ability to develop employability skills such as, positive attitude, good business sense, willingness to learn, resilience, ability to work under pressure, optimism, adaptability, perseverance and motivation, and a host of similar skills.

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PROGRAMME OUTCOMES (PO): B.A.

Programme Outcomes	<i>Students seeking admission for B.A. programme, permeating following qualities which help them in their future life to achieve the expected goals:</i>
PO1	Domain Knowledge: Creating interest in basic and advance knowledge in literature of the subject concerned.
PO2	Critical Thinking: Critically evaluate practices, policies and theories by following humanistic approach to knowledge development. Focussing more on inculcating creative ability.
PO3	Problem Analysis: Identifying, formulating and analysing complex problems, reaching substantiated conclusions using case studies, surveys & quizzes, field visits, etc.
PO4	Communication Skills: Ability to express thoughts and ideas effectively & communicate with others using appropriate media.
PO5	Information and Digital Literacy: Capability to use ICT in a variety of learning situations such as browsing sources of data & literature. Analysing the data with the help of appropriate software/apps. Writing reports & assignments using appropriate software.
PO6	Social Interaction and sensitivity towards the societal issues: Getting acquainted with social transactions, social relations, social formations, social control, social values and culture.
PO7	Effective Citizenship: Demonstrate empathetic social concern and equity centred national development to be responsible and law-abiding citizen.
PO8	Moral and Ethical Awareness: Ability to embrace moral/ethical values in conducting one's life, possess knowledge of the values and beliefs of multiple cultures and a global perspective.
PO9	Environment & Sustainability: Understanding the impact of social and economic behaviour on societal and environmental issues, realizing the need of sustainable development.
PO10	Self-directed and Life-long Learning: Acquire the potential to learn latest development in the subject concerned and to engage in independent and life-long learning
PO11	Research-related Skills: Getting acquainted with emerging areas and dimensions of the subject concerned and its relevance in society, polity and economy with future prospects.
PO12	Leadership Skills: Ability to lead a project and to motivate others to complete a series of tasks.
PO13	Employability Skill: Ability to develop employability skills such as, positive attitude, administrative skill, presentation skill, cooperative skill, willingness to learn, resilience, ability to work under pressure, optimism, adaptability, client relations and motivation, and a host of similar skills.

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Programme Specific Outcomes (PSO): BA/BSc Geography (Honours/Major Subject)

Programme Specific Outcomes	<i>The students taking up this program of BA/BSc with Geography (Honours/Major) as a special subject of study, receive the following outcomes:</i>
PSO-1	Scientific thinking Including scientific thinking and awareness, getting an ability to use necessary current technique, skills and modern tools.
PSO-2	Communication: Communicate concepts design and solution of scientific activities effectively and professionally with society at large.
PSO-3	Ethical Awareness: Ability to embrace moral/ethical values in conducting one's life possess knowledge of the values and beliefs of multiple.
PSO-4	Culture and Global perspective a capability to support the values required for collaborative work, such as mutual trust and fairness.
PSO-5	-
PSO-6	Environmental Sustainability: Understanding the impact of scientific solution on social and environmental concepts and demonstrate knowledge of and need for sustainable development.
PSO-7	Self-directed and Life-long learning Acquire the ability to engage in dependent and life-long learning in the broadest context social technological changes. Critical Sensibility to live experiences, with self-awareness and reflexivity of both and society.
PSO-8	-
PSO-9	Employability Skills- Ability to develop employability skills such as positive attitude, good business sense, willingness to learn resilience ability to work under pressure, optimism, adaptability perseverance and motivation, and a host of similar skills.
PSO-10	-

Mapping of PSOs of BA/BSc Geography (Honours/Major) with POs of Under-Graduate (BA)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13
PSO-1	*	*											
PSO-2				*									
PSO-3						*							
PSO-4						*							
PSO-5													
PSO-6							*						
PSO-7								*					
PSO-8													
PSO-9										*			
PSO-10													

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Course Outcomes (CO)s

Semester: I

Geography of Human and Culture Landscape (Major)

Code: MJA-155

Course Outcomes	<i>The students taking up this course of BSc/BA with Geography of Human and Culture Landscape (Major) as a special subject of study receive the following outcomes:</i>
CO-1	Know the changing human and culture landscape at different levels.
CO-2	Understand pattern and processes of population growth and its implications.
CO-3	Appreciate the nature and quality of human landscape.
CO-4	Have the sound knowledge of the pattern of culture of other nations as well.
CO-5	Ability to embrace moral/ethical values in conducting one's life possess knowledge of the values and beliefs of multiple

Semester: I

Physical Geography (Minor)

Code: MNA-156

Course Outcomes	<i>The students taking up this course of BSc/BA with Physical Geography (Minor) as a special subject of study receive the following outcomes:</i>
CO-1	Understand the physical profile of the planet earth synthesis and development, the idea of regional dimension.
CO-2	Acquire sound knowledge of Atmosphere, Lithosphere, Hydrosphere and Biosphere.
CO-3	Environmental Sustainability: Understanding the impact of scientific solution on social and environmental concepts and demonstrate knowledge of and need for sustainable development.
CO-4	Scientific thinking and awareness, getting an ability to use necessary current technique, skills and modern tools
CO-5	Self-directed and life-long learning acquire the ability to engage in dependent and life-long learning in the broadest context social technological changes.

Semester: I

Geography of Tourism (Generic Elective)

Code: GEA-155

Course Outcomes	<i>The students taking up this course of BSc/B.A. with Geography of Tourism (Generic Elective) as a special subject of study receive the following outcomes:</i>
CO-1	Equip with basic understanding of nature and scope, trends and pattern of various types of tourism.
CO-2	Inculcating scientific thinking and awareness, getting an ability to use necessary current techniques, skills and modern tools.
CO-3	Have sound knowledge on geographical, environment and socio-culture aspect of tourism in India.
CO-4	Understanding the impact of scientific solutions on societal and environmental contexts and demonstrate knowledge of and need for sustainable development
CO-5	Apply the principles of Geo-Tourism and analysis the prospects and problems associated with Pilgrimage Tourism.

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Semester: II

Geomorphology (Major)

Code: **MJA-255**

Course Outcomes	<i>The students taking up this course of BA / BSc with Geomorphology (Major) as a special subject of study receive the following outcomes:</i>
CO-1	Understand the functioning of the earth system in real time
CO-2	Analyse how the natural and anthropogenic operating factors affects the development of landforms.
CO-3	Distinguish between the mechanism that control these processes
CO-4	Assess the roles of structure, stage and time in shaping the landforms
CO-5	Understand how to interpret geomorphological maps and apply the knowledge in geographical research

Semester: II

Urbanisation and Urban System (Minor)

Code: **MNA-256**

Course Outcomes	<i>The students taking up this course of BA/BSc with Urbanisation and Urban System (Minor) as a special subject of study receive the following outcomes:</i>
CO-1	Understand the fundamentals of urbanization process.
CO-2	Have a sound knowledge of patterns of urbanization.
CO-3	Learn the functional classification of cities and centre place theory.
CO-4	Knew contemporary problems of Delhi, Mumbai, Kolkata and Chennai.
CO-5	Understand the government policies of urbanization and Urban system.

Semester: II

World Geography (Generic Elective)

Code: **GEA-255**

Course Outcomes	<i>The students taking up this course of BSc/B.A. with Geography of Tourism (Generic Elective) as a special subject of study receive the following outcomes:</i>
CO-1	Student should be able to identify the basic components of a world region and be aware of issues they are facing.
CO-2	To explore the world in which we live through the examination of several world regions.
CO-3	To provide an overview of several aspects which constitute the region: economics, politics, population trends, migration, the environment, physical regions, contemporary issues, and distinctive landscapes of world.
CO-4	Have a sound knowledge of World regions examined for their cultural response to physical environment.
CO-5	Emphasis on technologically developed regions.

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Semester: III

Urban Geography (Honours-I)

Code: A-355

Course Outcomes	<i>The students taking up this course of BA/BSc with Urban Geography (Honours-I) as a special subject of study receive the following outcomes:</i>
CO-1	Understand the fundamentals of urbanization process.
CO-2	Learn the functional classification of cities.
CO-3	Sound knowledge of patterns of urbanization.
CO-4	Know the contemporary problem of Delhi, Mumbai, Kolkata and Chennai.
CO-5	Find the solution of the problems in urban areas.

Semester: III

Oceanography and Bio-Geography (Honours-II/Subsidiary)

Code: A-356

Course Outcomes	<i>The students taking up this course of BA/BSc with Oceanography and Bio-Geography (Honours-II/Subsidiary) as a special subject of study receive the following outcomes:</i>
CO-1	Understand the oceanic process and availability of resources.
CO-2	Familiar the dynamics of climate.
CO-3	Understanding of vegetation as an index of climate.
CO-4	Assess of different aspects of floral and faunal provinces.
CO-5	Acquire knowledge of climate related theories.

Semester: IV

Geography of Tourism (Honours-I)

Code: A-455

Course Outcomes	<i>The students taking up this course of BA/BSc with Geography of Tourism (Honours-I) as a special subject of study receive the following outcomes:</i>
CO-1	Equip with a basic understanding of nature and scope.
CO-2	Understand the trends and patterns of various types of Tourism
CO-3	Gain knowledge of contemporary types of Tourism.
CO-4	Have sound knowledge on geographical environmental and Socio-Cultural aspects of Tourism in India.
CO-5	Apply the principles of Geo-Tourism and analyse the prospects and problems associated with Tourism.

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Semester: IV

World Economic and Resource Geography (Honours-II/Subsidiary) Code: A-456

Course Outcomes	<i>The students taking up this course of BA/BSc with World Economic and Resource Geography (Honours-II/Subsidiary) as a special subject of study receive the following outcomes:</i>
CO-1	Have a comprehensive knowledge of scope approaches and significance of Economic Geography.
CO-2	Understand the world distribution of resources i.e., forest, soil, water, fresh water.
CO-3	Understand the human resources, agriculture mining and power.
CO-4	Examine the significance and relevance of theories in relation to the location of different economic activities.
CO-5	Distinguish different types of human activities and their inter and intra relationships.

Semester: V

Remote Sensing & Geographical Information System (GIS) (Honours-I) Code: A-555

Course Outcomes	<i>The students taking up this course of BA / BSc with Remote Sensing & Geographical Information System (GIS) (Honours-I) as a special subject of study receive the following outcomes:</i>
CO-1	Gain knowledge of Remote Sensing and its nature.
CO-2	Develop knowledge about the theoretical bases, principles, types and application of remote sensing techniques maps.
CO-3	Students can efficiently assess the scientific principles of remote sensing techniques and observe and apply satellite based remote sensing data
CO-4	Gain in depth knowledge on photogrammetric and air photo interpretation: remote sensing and GIS Instrument.
CO-5	Namely GPS, total knowledge of GIS and RS based characteristics and application of remote sensing and application of GIS in thematic map.

Semester: V

Geography of India with Special Reference to Madhya Pradesh (Honours-II/ Subsidiary)

Code: A-556

Course Outcomes	<i>The students taking up this course of BA / BSc with Geography of India with Special Reference to Madhya Pradesh (Honours-II/ Subsidiary) as a special subject of study receive the following outcomes:</i>
CO-1	Gain Knowledge about Indian- Physical & Culture Economic.
CO-2	Understand the concept of sustainable agricultural development.
CO-3	Understand the climatic variation in India and climatic region of India.
CO-4	Examine and understand the types of vegetation of India.
CO-5	Understand the Drainage System of India Rivers.

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Semester: VI

Environmental and Disaster Management (Honours-I)

Code: A-655

Course Outcomes	<i>The students taking up this course of BA/BSc with Environmental and Disaster Management (Honours-I) as a special subject of study receive the following outcomes:</i>
CO-1	Gain knowledge about concept, scope of environmental geography and components of environment.
CO-2	Know about environment programmes and policies.
CO-3	Develop an idea about human - environment relationships and build an idea about ecosystem.
CO-4	Understand the nature of hazards and disasters.
CO-5	Assessing the nature, impact and management of major natural and man-made disasters affecting the world and Indian subcontinent.

Semester: VI

Evolution of Geographical Thought (Honours-II/Subsidiary)

Code: A-656

Course Outcomes	<i>The students taking up this course of BA / BSc with Evolution of Geographical Thought (Honours-II/ Subsidiary) as a special subject of study receive the following outcomes:</i>
CO-1	Brief knowledge of history & development of geographical thought.
CO-2	Discussing the evolution of geographical thought from ancient to modern times.
CO-3	Establishing relationships of Geography with other disciplines and environment relationships.
CO-4	Appreciate the contribution of the thinkers in Geography and appreciate the contribution of the thinkers in geography
CO-5	Analysing modern and contemporary principles of Empiricism, Positivism, Structuralism, Human and Behavioural Approaches in geography.

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Mapping of COs with PSOs for Semester-I (Major)

Course		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
<i>Paper Title:</i> Geography of Human and Cultural Landscape <i>Paper Code: MJA-155</i>	CO1	*									
	CO2		*				*				
	CO3				*		*	*			
	CO4				*		*				
	CO5				*						

Mapping of COs and PSOs for Semester-I (Minor)

<i>Paper Title: Physical Geography</i> <i>Paper Code: MNA-156</i>	CO1		*				*				
	CO2	*			*		*	*			
	CO3			*			*				
	CO4	*									
	CO5							*			

Mapping of COs and PSOs for Semester-I (Generic Elective)

<i>Paper Title: Geography of Tourism</i> <i>Paper Code: GEA-155</i>	CO1	*					*				
	CO2				*						
	CO3		*		*					*	
	CO4						*				
	CO5	*	*				*				

Mapping of COs and PSOs for Semester-II (Major)

<i>Paper Title: Geomorphology</i> <i>Paper Code: MJA-255</i>	CO1	*									
	CO2						*				
	CO3							*			
	CO4						*				
	CO5									*	

Mapping of COs and PSOs for Semester-II (Minor)

<i>Paper Title: Urbanisation and Urban System</i> <i>Paper Code: MNA-256</i>	CO1	*									
	CO2		*								
	CO3							*			
	CO4		*								
	CO5									*	

Mapping of COs and PSOs for Semester-II (Generic Elective)

<i>Paper Title: World Geography</i> <i>Paper Code: GEA-255</i>	CO1	*									
	CO2										
	CO3						*				
	CO4				*						
	CO5									*	

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Mapping of COs with PSOs for Semester-III (Honours-I)

Course		PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
<i>Paper Title: Urban Geography</i> <i>Paper Code: A-355</i>	CO1	*					*	*			
	CO2				*						
	CO3							*			
	CO4						*				
	CO5							*		*	

Mapping of COs and PSOs for Semester-III (Honours-II/Subsidiary)

<i>Paper Title: Oceanography and Bio-Geography</i> <i>Paper Code: A-356</i>	CO1	*									
	CO2			*							
	CO3						*				
	CO4							*			
	CO5									*	

Mapping of COs and PSOs for Semester-IV (Honours-I)

<i>Paper Title: Geography of Tourism</i> <i>Paper Code: A-455</i>	CO1	*						*			
	CO2		*								
	CO3						*				
	CO4				*		*				
	CO5									*	

Mapping of COs and PSOs for Semester-IV (Honours-II/Subsidiary)

<i>Paper Title: World Economic and Resource Geography</i> <i>Paper Code: A-456</i>	CO1	*		*							
	CO2				*						
	CO3			*	*						
	CO4						*	*			
	CO5									*	

Mapping of COs and PSOs for Semester-V (Honours-I)

<i>Paper Title: Remote Sensing and Geographical Information System (GIS)</i> <i>Paper Code: A-555</i>	CO1	*									
	CO2			*							
	CO3	*					*				
	CO4							*			
	CO5									*	

Mapping of COs and PSOs for Semester-V (Honours-II/Subsidiary)

<i>Paper Title: Geography of India with Special Reference to Madhya Pradesh</i> <i>Paper Code: A-556</i>	CO1	*			*						
	CO2						*				
	CO3						*				
	CO4						*				
	CO5						*	*		*	

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Mapping of COs with PSOs for Semester-VI (Honours-I)


Course		PS01	PS02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
Paper Title: Environmental and Disaster Management Paper Code: A-655	CO1	*		*							
	CO2		*	*			*				
	CO3	*			*			*			
	CO4						*				
	CO5	*			*			*		*	

Mapping of COs and PSOs for Semester-VI (Honours-II/Subsidiary)


Paper Title: Evolution of Geographical Thought Paper Code: A-656	CO1	*		*							
	CO2		*	*							
	CO3	*	*		*		*				
	CO4										
	CO5	*			*					*	


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