

DUMKAL COLLEGE
DEPARTMENT OF GEOGRAPHY
PROGRAMME & COURSE OUTCOMES
NEP SYSTEM w.e.f. 2023-2024

POs

1. *Geographical Knowledge:* Gain an in-depth understanding of physical and human geography.
2. *Spatial Analysis:* Develop skills to analyse spatial data and geographical patterns.
3. *Cartographic Skills:* Master map-making, GIS, and remote sensing techniques.
4. *Research Proficiency:* Conduct research using scientific methods and fieldwork.
5. *Environmental Awareness:* Understand environmental challenges and sustainable solutions.
6. *Analytical Thinking:* Build critical and analytical thinking skills to solve geographic issues.
7. *Cultural Insights:* Study the interaction between humans and the environment.
8. *Technological Adaptability:* Utilize modern geospatial technologies effectively.
9. *Global Perspective:* Address global issues like climate change and urbanization.
10. *Career Preparedness:* Prepare for careers in planning, research, teaching, and environmental management.

PSOs

- *PSO 1* - Student will gain the knowledge of physical geography. They will gather knowledge about the fundamental concepts of Geography and will have

a general understanding about the geomorphologic and geotectonic process and formation. Imbibing knowledge, skills and holistic understanding of the Earth, atmosphere, oceans and the planet through analysis of landform development; crustal mobility and tectonics, climate change.

- **PSO 2** - Associating landforms with structure and process; establishing man environment relationships; and exploring the place and role of Geography vis-a-vis other social and earth sciences. Students can easily correlate the knowledge of physical geography with the human geography. They will analyze the problems of physical as well as cultural environments of both rural and urban areas. More over they will try to find out the possible measures to solve those problems.
- **PSO 3** - Understanding the functioning of global economies, geopolitics, global geostrategic views and functioning of political systems.
- **PSO 4** - Developing a sustainable approach towards the ecosystem and the biosphere with a view to conserve natural systems and maintain ecological balance.
- **PSO 5** - The physical environment, human societies and local and/or global economic systems are integrated to the principles of sustainable development.
- **PSO 6** - Inculcating a tolerant mind set and attitude towards the vast socio-cultural diversity of India by studying and discussing contemporary concepts of social and cultural geography. Explaining and analyzing the regional diversity of India through interpretation of natural and planning regions.
- **PSO 7** - Analyzing the differential patterns of the human habitation of the Earth, through studies of human settlements and population dynamics.

Understanding and accounting for regional disparities, poverty, unemployment and the impacts of globalization.

- **PSO 8** - Training in practical techniques of mapping, cartography, interpretation of maps, photographs and images etc. so as to understand the spatial variation of phenomena on the Earth's surface.
- **PSO 9** - To create knowledge to balance between development needs and protection of natural resources which means if coastal ecosystems are managed through the guiding principles of sustainability, then livelihoods of millions will be protected and their survival guaranteed.
- **PSO 10** - The student will get idea regarding an integrated approach, addressing all resources and considering all interests. Coordination across all sectors for the terrestrial and marine parts of the coast. Sustainable multiple use that does not compromise the future and controls the use of renewable resources. Conservation of biodiversity, especially in the dunes, and protection of valuable species.

COs

COURSE CODE	PAPER NAME	PROGRAMME OUTCOME
GEOG-M-T-01	GEOTECTONICS AND GEOMORPHOLOGY	<ul style="list-style-type: none"> ➤ Understand fundamental knowledge in Geotectonics and Geomorphology ➤ Acquire comprehensive knowledge of continental drift, sea floor spreading and Plate tectonics theories ➤ Understand the dynamic nature of the earth surface processes, landforms and their evolution

<p><i>GEOG-SEC-P-01</i></p>	<p><i>COMPUTER BASIC AND COMPUTER APPLICATIONS</i></p>	<ul style="list-style-type: none"> ➤ <i>Gain knowledge of computer basics</i> ➤ <i>Develop their ability and skills in data management, data computation, data analysis and cartographic presentation</i> ➤ <i>Acquire internet surfing skills and enhance their ability to gain knowledge from the digital world</i>
<p><i>GEOG-M-T-02</i></p>	<p><i>POPULATION & SETTLEMENT GEOGRAPHY</i></p>	<ul style="list-style-type: none"> ➤ <i>Acquire clear knowledge on fundamental concepts of Population and Settlement Geography.</i> ➤ <i>Understand population dynamics, nature of population growth and migration</i> ➤ <i>Understand the nature and morphology of rural and urban settlements</i>
<p><i>GEOG-SEC-P-02</i></p>	<p><i>FIELDWORK</i></p>	<ul style="list-style-type: none"> ➤ <i>Acquire knowledge, skills and expertise to identify geographical issues</i> ➤ <i>Expertise in field-based data collection, analysis and presentation</i> ➤ <i>Build capacity to interact with people of diverse culture</i>
<p><i>GEOG-M-T-03</i></p>	<p><i>FUNDAMENTALS OF REMOTE SENSING, GIS & GNSS</i></p>	<ul style="list-style-type: none"> ➤ <i>Understand fundamental concepts of remote sensing and GIS</i> ➤ <i>Acquire basic knowledge about GPS and GNSS</i> ➤ <i>Understand the principles of image interpretation</i> ➤ <i>Familiar about the applications of remote sensing and GIS</i>

GEOG-SEC-P-3	APPLICATION OF REMOTE SENSING AND GIS	<ul style="list-style-type: none"> ➤ Develop expertise in digital image processing and image interpretation ➤ Develop skills in digitalisation georeferencing and preparation of annotated thematic maps ➤ Acquire skills to solve geographical questions using remote sensing and GIS
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POs and COs Mapping

NEP System

	PO1	PO2	PO3	PO4	PO5	PO6
CO1	✓					
CO2			✓			
CO3	✓					
CO4		✓	✓			
CO5	✓				✓	
CO6		✓		✓		



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