Semester-II

3.MAJOR COURSE –MJ 2 Subject: PHYSICAL GEOGRAPHY **Allotted: 72 Lectures**

Course Objective:

The Learning objective of this course are as follows-

1. To explain the concept, definition and scope of earth systems.
2. To recognize the structure of the earth, its atmosphere and describe its characteristic features.

Suggested Readings:

Sl.	Unit	Subject	Methodology	Evaluation Mode	Outcome
1	**Unit 1:** **17 Lectures**	Geomorphology: Nature and Scope, Origin of the solar system, Earth: Interior Structure and Isostasy; Earth Movements: Plate Tectonics, Types of Folds and Faults, Earthquakes and Volcanoes	• Lecture • Digital Classes • Group Discussion • Self-study • In-situ Examples	• Quiz on basic concepts and Theories • Class Test • Assignments • Presentation	• help students understand how the Earth and its features were formed and how they continue to change. • This knowledge can help students understand the causes of natural events like earthquakes and volcanoes, and how these events have shaped the Earth's geography.
2	**Unit2:** **15 Lectures**	Geomorphic Processes: gradation (erosion and weathering), Cycle of Erosion (Davis and Penck).Evolution of Landforms (Erosional and Depositional): Fluvial, Karst, Aeolian, Glacial, and Coastal;	• Lecture • Digital Classes • Group Discussion • Self-study • In-situ Examples	• Quiz on basic concepts and Theories • Class Test • Assignments • Presentation	• Students learn how the Earth's surface changes over time. • Students learn how erosion and deposition create landforms. • Students learn how geomorphic agents like running water, glaciers, and wind shape the Earth's surface. • Students learn how human activity can affect geomorphic processes
3	**Unit3:** **10 Lectures**	Climatology- Atmospheric Composition and Structure; Insolation, Atmospheric Pressure and Winds	• Lecture • Digital Classes • Group Discussion • Self-study	• Quiz on basic concepts and Theories • Class Test • Assignments • Presentation	• Students can use this knowledge to understand how climate change affects weather patterns and regional climates. • Students can use this knowledge to understand how climate affects human activities, agriculture, and ecosystems.

		Special Focus on Focused Group Discussions;			make informed decisions about how to collect and analyze data
4	**Unit4 :** **14 Lectures**	Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report.	— Lecture — Digital Classes — Group Discussion — Self-study	— Quiz on basic concepts and Theories — Class Test — Assignments — Presentation	• Develop observation skills • Develop data collection techniques • Apply theory to real-world situations • Prepare for independent investigations • Strengthen teacher-student relationships

Suggested Readings:

1. Dikshit, R. D. (2003). The Art and Science of Geography: Integrated Readings, Prentice-Hall of India, New Delhi.

2.Creswell, J., (1994): Research Design: Qualitative and Quantitative Approaches, Sage Publications, California.

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