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Annual Teaching Plan 2026 - 27

F. Y. B. A. Semester - I

Subject: GEO-101-T Introduction of Physical Geography

Month and Year	Name of the Unit and Sub Unit	No. of Lectures
July 2026	1. Introduction to Physical Geography i. Introduction, definition and branches of Geography ii. Definition and Branches of Physical Geography iii. Nature, Scope and importance of Physical Geography	08
August 2026	2. Lithosphere i. Interior of the Earth - Structure and Composition ii. Wegener's Continental Drift Theory	08
September 2026	3. Atmosphere i. Concept of weather and climate. ii. Composition and structure of the atmosphere iii. Factors affecting horizontal distribution of the temperature	08
October 2026	4. Hydrosphere i. General structure of ocean floor ii. Movements of ocean water - Tides- meaning, causes and types	06

F. Y. B. A. Semester - I

Subject: GEO-102-P Practicals in Physical Geography

Month and Year	Name of the Unit and Sub Unit	No. of Lectures
July 2026	1. Qualitative Methods of Relief Representation Qualitative Methods a. Hachures b. Hill shading c. Color shading or tinting	16
August 2026	2. Quantitative Methods of Relief Representation Quantitative Methods a. Spot Height b. Bench Mark c. Triangulation Method d. Contours	16

	e. Form lines	
September 2026	3. Representation of slope and landforms by contours Representation of slope by contours a. Gentle and steep slope b. Even and uneven slope c. Concave and convex slope	16
October 2026	3. Representation of slope and landforms by contours Representation of landforms by contours a. Conical hill b. Cliff c. V shaped valley	12

T. Y. B. A. Semester - V

GEO-302-MJ : Regional Geography of India

Month and Year	Name of the Unit and Sub Unit	No. of Lectures
July 2026	1. Introduction a. Geographical and relative location of India b. Frontiers of India. c. Strategic Significance 2. Physiography a. The Northern Mountains b. The North Indian Plain c. The peninsular Plateau	16
August 2026	d. The Coastal Lowlands e. The Islands 3. Drainage Systems a. Himalayan drainage systems b. Peninsular drainage systems	16
September 2026	4. Climate a. Main Seasons and Associated Weather Conditions b. Origin and Mechanism of Monsoon 5. Soils a. Major Soil Types and their distribution of India b. Soil Degradation and Soil Conservation	16
October 2026	6. Forest a. Major Forest Types and their Distribution in India b. Deforestation and Conservation of Forest	12

T. Y. B. A. Semester - V

GEO-303-MJP : Practicals in Climatology and Soil Geogrpahy

Month and Year	Name of the Unit and Sub Unit	No. of Lectures
July 2026	1. Introduction to Weather Instruments a. Understanding Weather Instruments: Mechanisms, Functions and Usage b. Practical activities 2. Isobaric Pattern	32
August 2026	3. Weather Maps a. Introduction to IMD Weather Reports b. Symbols in Daily Weather Report used by IMD c. Reading and Interpretation of Weather Maps d. Weather Applications App e. Visit to nearby Meteorological Weather Station 4. Soil Sample Collection	34
September 2026	5. Particle Size Analysis 6. Soil Structure and Porosity	34
October 2026	7. Soil pH, EC and Nutrient Test	20

T. Y. B. A. Semester - VI

GEO-352-MJ : Geography of Resource Management

Month and Year	Name of the Unit and Sub Unit	No. of Lectures
December 2026	1. Fundamentals of Resource Management a. Concept, Meaning and Classification of Resources b. Resource use and human–environment relationship c. Sustainable development: concept and goals	16
January 2027	2. Land and Water Resource Management a. Land Resource b. Water Resource	16
February 2027	3. Forest, Mineral and Energy Resource Management a. Forest Resources b. Mineral and Energy Resources	16
March 2027	4. Environmental Issues and Resource Management a. Resource degradation c. Environmental conservation measures	12

T. Y. B. A. Semester - VI

GEO-353-MJP : Practicals Spatial Analysis

Month and Year	Name of the Unit and Sub Unit	No. of Lectures
December 2026	1. Introduction of S.O.I. Toposheet and Relief Representation a. Indexing of Toposheets b. Introduction of Survey of India Toposheets	32
January 2027	2. Interpretation of S.O.I. Toposheets a. Interpretation of SOI toposheets c. Drawing and tracing of physical and cultural features from toposheets	34
February 2027	3. Correlation Analysis a. Concept of Correlation and Regression b. Concept of Bivariate correlation and regression c. Coefficient correlation	34
March 2027	4. Testing and Application of Hypothesis a. Meaning, Definition, Types and Characteristics of Hypothesis b. Level of Significance, Degrees of Freedom, Application of hypothesis testing in geographical analysis	20

(Prof. Dr. P. T. Karande)

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