

H.L.G. GOVT. COLLEGE TAURU, DISTT. NUH (HRY.)
P.G. DEPARTMENT OF GEOGRAPHY
 (Session 2025-26 Odd Semester)

Name of Teacher: **Dr. Satish Kumar**, Extension Lecture of Geography

LESSON PLAN

Learning Objectives	The basic objectives of the course are to apprise the students about Geomorphology, to understand its relationship with man and his linkage with other organisms. Understand the processes of landform formation in terms of interacting systems (lithosphere, hydrosphere, biosphere, atmosphere), specifically the relationships among uplift, weathering, erosion and deposition in fluvial, Karst, glacial, coastal topography. Also, to sensitize the students with the Oceanography study, Environmental problems and degradations.
Learning Outcomes	The Students will be able to identify different concepts of landform formation and associated agents. They will understand the general de-gradational Processes and the formation of shape of the landforms around us. They will be able to explain different types of landforms created by various agents and they will know the applications of Geomorphology in various sectors of life. The course will aware the students about Oceans, their relief and various action associated with Oceanic water circulation.
Teaching Methodologies used	ICT Based teaching-learning; PPT based A/V lectures, Classroom BB teaching, Group/panel Discussions, Edu. Movies, Quizzes, various competitions, field works/Projects, Assignments and class tests etc.

M.A. Geography 1st Sem.

(under NEP-2020)

Paper: Theory- Geomorphology and Oceanography

Sr	Class & Paper	Month/ week	Topic/Chapters to be Covered	Academic activities to be organized
1	Geomorphology & Oceanography Theory Paper 241/GEO/CC101 (days 4-6) P-II, R-13	August 2025	▪ Introduction to Geomorphology: Meaning, Nature and Scope ▪ History and development of Geomorphic ideas ▪ Fundamental concepts- Uniformitarian, Structure, Process and Stage. ▪ The Earth's interior- structure and composition	In class Group Discussion Educational Movie Tree Plantation
2	Geomorphology & Oceanography Theory Paper 241/GEO/CC101 (days 4-6) P-II, R-13	Sept. 2025	▪ Plate Tectonics-meaning and concept; Plate margins and boundaries, motion, tectonic activities and distribution of plates. ▪ Endogenetic processes- Faulting, folding. ▪ Earthquakes and volcanos ▪ Exogenetic processes: Degradation;	Essay writing Chart making Competition Class Tests Quiz contest

3	Geomorphology & Oceanography Theory Paper 241/GEO/CC101 (days 4-6) P-II, R-13	Oct. 2025	▪ Weathering and mass wasting ▪ Dynamics of Fluvial, Glacial, Aeolian process and associated landforms ▪ Dynamics of Coastal and Karst process and associated landforms ▪ Applied Geomorphology: Applications in different fields	Postar making Ext. Lecture Project Work Class Tests
4	Geomorphology & Oceanography Theory Paper 241/GEO/CC101 (days 4-6) P-II, R-13	Nov. 2025	▪ Relief of Oceans: Pacific, Atlantic and Indian Ocean ▪ Composition: Temperature and Salinity, Oceanic water circulation: Tides, Waves ▪ Ocean Currents: Origin, Types-cold and warm and dynamics, Current of Pacific, Atlantic and Indian Ocean. Tsunami. ▪ Coral Reefs: Types, origin and distribution.	Essay writing Debate Competition Assignments Class Tests
5	Geomorphology & Oceanography Theory Paper 241/GEO/CC101 (days 4-6) P-II, R-13	Dec. 2025	▪ Revision of syllabus ▪ Question writing Practice ▪ Examination	Assignments Class Tests

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(Signature)

Dr. Satish Kumar
P.G. Deptt. of Geography
H.L.G. G.C. Tauru (Nuh)

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LESSON PLAN (2025-2026)

Name of Assistant Professor	Dr. SATISH KUMAR
Subject	Aerial Photography and Photogrammetry
Semester	1 st
Class	Diploma in Remote Sensing and GIS

MONTH	TOPIC
August - 2025	Aerial Photography: Concept, Fundamentals, nature and Scope, Historical Development- Global and India specific , Types, Components, significance; Photographic Cameras: Types filters, Films; Comparison of Aerial Photographs and Maps.
Sept. - 2025	Aerials Photographs: Concept Annotation, Types, Characteristics and Significance; Image Quality Parameters; Geometry of Aerial Photographs, Determination of scale; length, Area and height Measurement on Aerial Photographs; Geometric distortion of Aerial Photographs.
Oct. – 2025	Aerial Platforms: Identification, Types and Characteristics; Flight line, Flying heights, Overlapping and Image Acquisition; Application of Aerial Photographs in different field; Gemorphological Study, Forestry, Agriculture, Environment, Disaster Management, Water Resource, Security and Surveillance.
Nov. - 2025	Photogrammetry: Concept, Fundamentals, Historic Development of Photogrammetry; Photo Mosaic; Stereoscope : Types and Stereovision; Parallax; Displacement; Elements of image

interpretation; Visual interpretation of Aerial Photographs (single Vertical and Stereo-pairs)- Object Recognition and Anomaly Detection; Recent trends in Photogrammetry.

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LESSON PLAN (2025-2026)

Name of Assistant Professor	Dr. SATISH KUMAR
Subject	ECONOMIC GEOGRAPHY
Semester	5 TH
Class	B.A. FINAL

MONTH	TOPIC
JULY- 2025	Nature, scope and relationship of economic geography with economics and other branches of social sciences.
AUGUST- 2025	Classification of economic activities and their impact on environment. World natural resources: Types, bases and classification. Conservation and utilization of natural resources. Unit Test
SEPT. - 2025	Spatial distribution of food (rice and wheat), commercial (cotton and sugarcane) and plantation crops (tea, rubber and coffee). Classification of mineral resources (ferrous and non-ferrous), distribution and production of coal, iron ore, petroleum and natural gas. Unit Test
OCT. – 2025	Classification of industries, world distribution and production of iron and steel and textile industry, major industrial complexes of the world. Unit Test
NOV – 2025	Transport, communication and trade: geographical factors in their development, major modes of water, land and air transport, recent trends in international trade. Unit Test Revision

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LESSON PLAN (2025-2026)

Name of Assistant Professor	Dr. SATISH KUMAR
Subject	ECONOMIC GEOGRAPHY
Semester	3rd
Class	M.A. FINAL

MONTH	TOPIC
August-2025	Economic Geography: Concept, Nature , Scope, Approaches and Recent trends in economic Geography; Relationship of economic geography with economics and other branches of social sciences, Classification of economic activities.
Sept. - 2025	Agriculture System of World; Von Thunen's Model of Agricultural Land use; Industrial Location Theories of Weber And Smith; Major Resources: Renewable and Non-Renewable Resources.
Oct- 2025	World Economics: Classification, Patterns, Characteristics of Developed and Developing Countries; Friedmann's Core Periphery Model; Rostow Model of Economic Growth; Perroux's Growth Pole Theory.
Nov. - 2025	Neo Liberalism, Globalization, International trade Patterns and trends; Emerging Global New World Order; Trade war: Tariff and Free Trade; Exim policy of India; Geographical Configuratuion of World Trade GATT, WTO, NAFTA, SAPTA, G-20, BRICS and I2U2.

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