Lesson plan session 2025-26
B.A 1st semester (Geography)

July to August :-

Theory -Nature and scope of physical geography; interior of the earth; characteristics and classification of rocks: igneous, sedimentary and metamorphic.

Practical -Nature, subject matter and historical development of cartography; map design and cartographic techniques.

SEC - Geometric elements of aerial photographs; stereoscopy; stereoscopic vision (pocket stereoscope, mirror stereoscope);

August to September :-

Theory -Geomorphic processes (endogenetic and exogenetic forces); continental drift theory; sea floor
spreading theory; plate-tectonic theory.
Practical - visual hierarchy and legibility of map;classification of maps;
elements of map: direction, index, conventional signs and symbols (point, line and area).

SEC -fundamentals of aerial photo
interpretation: elements of visual air photo interpretation.Comparison between aerial photograph and satellite image.

September to October :-

Theory -Classification of landforms (first, second and third order); volcanoes; earthquakes (types,
measurement and distribution).

Practical -Map scales: statement scale, representative fraction and graphical scale;

SEC -scale determination on vertical
aerial photograph;identification and mapping of physical and cultural features on an image.

October to November :-

Theory -Denudational processes: weathering, erosion and mass wasting; the work of river and wind; cycle of erosion (Davis).

Practical -representation of
relief: contours, hachures, form lines, spot heights, bench marks and trigonometrical stations.

SEC -Introduction to GIS – definition and concept; hardware and software requirements for GIS; creating basic layers in GIS (point, line and polygon) with any GIS software/manual.

B.A 3rd semester (Geography)

July to August :-

Theory -The atmosphere: origin, composition and structure; insolation and heat budget; weather and
climate: elements and controlling factors.
Practical -Representation of climatic data: concepts and requirements.
SEC -Understanding land use/land cover; land use planning: meaning and significance.

August to September :-

Theory -Distribution of temperature and atmospheric
pressure; local and planetary winds.Atmospheric humidity:types and distribution;evaporation, condensation and precipitation.
Practical -weather instruments; representation of cyclones and secondary depressions through isobars; wind velocity and
wind direction: Beaufort's scale; meteorological symbols.
SEC -Mapping
of forest cover; built up area; transport routes; water bodies from topographical sheet/aerial photograph/ satellite image.

September to October :-

Theory -Indian monsoon: origin, characteristics, mechanism and significance. Clouds, air masses, fronts, cyclones and anticyclones: meaning, origin, types and
characteristics.
Practical -Representation of climatic variables by line graph, bar graph, combined line and bar graph, climograph and hythergraph.
SEC -Concepts of land use change and its management; spatio-temporal change analysis in land use/land cover through statistical diagrams.

October to November :-

Theory- Ocean floor profile: continental shelf, slope, ridge, deeps, abyssal plains; ocean currents:
types and characteristics; salinity in oceans; coral reefs: origin,types and distribution.
Practical -isotherms: world mean temperature (January and July), India
mean temperature (January and July); interpretation and analysis of weather map of India.
SEC -preparation and interpretation of
existing/proposed land use/land cover map/plan of institution/locality/ area.

B.A 5th semester (Geography)

July to August :-

Theory- Economic Geography: meaning, branches, scope.Economic activities: meaning, Primary activities,Secondary activities, Tertiary activities,Quinary, Greenhouse effect, Global warming

Practical :-

Principle of Map design and layout,Symbolization : point, Line & area symbol,Lettering & toponomy.

August to September :-

Theory- Natural Resources, classification,Biotic Resources, Abiotic Resources,Agricultural resources, Food crops,Commercial crops, Plantation crops.

Practical Mechanics of map construction,Choroschematic Maps,Quantitative maps

September to October :-

Theory

Mineral resources,Manufacturing industries,

Modes of Transport,International trade

Practical- Isopleth maps,Dot maps

October to November :-

Theory - World trade organisation,Regional trade blocks.

Practical -Prismatic Compass Survey