

FIRST SEMESTER
GEOGRAPHY HONOURS COURSE
DISCIPLINE SPECIFIC CORE COURSE-CC

COURSE CODE: GEO-H-CC-1-01-TH

Credit: 04

GEOTECTONIC

1. Earth's tectonic and structural evolution with reference to geological timescale.
2. Earth: Interior structure.
3. Earth Movements: Types of folds and faults; Plate Tectonics: concept and theory.
4. Development of drainage on uniclinal and folded structure.

COURSE CODE: GEO-H-CC-1-01-PR

Credit: 02

PRACTICAL

1. Scales: Concept and application; graphical construction of plain and diagonal scales.
2. Map Projections: Classification, properties and uses; Mathematical/graphical construction of Polar Zenithal Stereographic Projection, Bonne's Projection and Mercator's Projections.

Practical Record: A project file covering all practical topics must be prepared.

COURSE CODE: GEO-H-CC-1-02-TH

Credit: 04

GEOMORPHOLOGY

1. Geomorphology: Nature and scope; Fundamental concepts.
2. Geomorphic processes: weathering, cycle of erosion (Penck).
3. Evolution of erosional and depositional landforms: fluvial, aeolian and glacial.
4. Theories of slope development (Davis).

COURSE CODE: GEO-H-CC-1-02-PR

Credit: 02

PRACTICAL

1. Topographical Map: Interpretation of plateau/mountain area with the help of Slope analysis (Wentworth's method); Relative relief (Smith's method); Drainage density and Drainage frequency.
2. Megascopic identification of rocks and minerals: granite, basalt, limestone, shale, sandstone, phyllite, bauxite, calcite, chalcopryrite, feldspar, mica, quartz and talc.

Practical Record: A project file covering all practical topics must be prepared.

Important Note: Continuing evaluation will be as follows:

COURSE CODE: GEO-H-CC-1-01: Class Test

COURSE CODE: GEO-H-CC-1-02: Class Test

GEOGRAPHY GENERIC ELECTIVE
(FIRST SEMESTER)

COURSE CODE: GEO-GE-01-TH
PHYSICAL GEOGRAPHY

Credit: 04

1. Geography as a discipline: Meaning, scope and content, branches of geography.
2. Interior structure of the earth;
3. Rocks: Major types of rocks and their characteristics,
4. Geomorphic processes: Weathering and mass wasting,
5. Geomorphology: Erosional and depositional features of river, glacier and wind.

COURSE CODE: GEO-GE-01-PR
PRACTICAL

Credit: 02

1. Scale: Definition, classification, construction of simple linear scale.
2. Map Projection: Definition, classification and graphical construction of Zenithal Gnomonic Projection (Polar Case).

FIRST SEMESTER
GEOGRAPHY PROGRAMME COURSE

CORE COURSE – CC

COURSE CODE: GEO-P-CC-1-01-TH

Credits: 04

PHYSICAL GEOGRAPHY

1. Plate Tectonics as a unified theory of global tectonics.
2. Folds and faults: Classification and surface expression.
3. Principal geomorphic agents. Classification and evolution of fluvial, and glacial landforms.

COURSE CODE: GEO-P-CC-1-01-PR

Credits: 02

PRACTICALS

1. Construction of scale; plain (linear and comparative).
2. Map Projection: Zenithal Gnomonic Projection (Polar Case), Cylindrical Equal Area Projection (Equatorial Case).

Practical Record: A project file covering all practical topics must be prepared.