

Semester : 2 geography and Oceanography (HCT-201)

Unit 1: 1.1- Weathering- Types and resulting landforms.

1.2- Mass wasting- Causes, types and resulting landforms.

Unit 2: 2.1- Processes and landforms - Fluvial, Glacial.

2.2- Landform developed in coastal and arid region.

Unit 3: 3.1- Temperature and salinity of Ocean water with particular reference to Atlantic and Pacific.

3.2- Marine rudiments: Classification , distribution and economic importance.

Unit 4: 4.1- Theories of development of coral reefs(Dousing Davies).

4.2- Tides: Types , Characteristic and Theories of Origin(Progressive wave theory and Stationary wave theory.

Semester : 2 Practical (HCP)

1. Projection- Basis of classification and suitability of projection, construction of graticule of cylindrical equal area Projection ; Simple conical Projection with one standard Parallel ; Polyconic Projection, Polar Zenithal Equal Area Projection, Marketers Projection.[15 marks].

2. Surveying- Closed and Open traverse survey by pragmatic compass and preparation of land use of a small area.

Levelling survey oand preparation of contour map.

Trigonometrical level survey by Transit Theodolite (accessible and inaccessible) [15 marks] .

3. Suternel assignment- Local area land use survey and preparation of land use map (signal report to be submitted during the practical exam) [10 marks].

4. Laboratory note book and viva-voce. [6+4]