

UNIVERSITY OF PUNE
F.Y.B.A.
Gg- 110 -Elements of Geomorphology (G-1)
Revised Syllabus (from June, 2013)
Section I

Unit No.	Unit	Sub Unit	No. of periods
1	Introduction to Geomorphology	a. Introduction to Physical Geography and its branches b. Geomorphology- Definition, Nature and Scope	8
2	Fundamental Concepts of The Earth	a. The Earth Size, Shape, Radius, Circumference, Parallels of Latitudes and Meridians of Longitudes. b. Time: Local time and Standard time, Time Zone and International Date Line.	6
3	The Earth	a. The earth – its Interior, Composition & Structure b. Origin of Continents and Ocean basin i. Wegener's Continental Drift Theory ii. Theory of Plate Tectonics iii. Theory of Sea Floor Spreading	5 6
4	Rocks	a. Rock- Definition and origin. b. Type of Rocks- Igneous, Sedimentary and Metamorphic rocks	5 5
5	Crustal Movements	a. Internal Movements- Definition, Causes b. Classification of Movements i. Slow movements- Folding and Faulting ii. Rapid movements – Volcanism and Earthquakes	5 5
6	Weathering	a. Definition of Weathering, b. Type of Weathering- Mechanical, Chemical, biological and Anthropogenic weathering c. Hydrological cycle	6
7	Agents of Erosions and Depositions	Landforms created by following agents a. Rivers. b. Sea-waves.	6
8	Mass Wasting	Concept – Type – Soil Creep, Landslides, Debris flows, Avalanches, Mud Flow	8

9	Slopes	Meaning & Definition of slopes, Types and slope segments Concave, Convex , Terraced, Rectilinear	6
10	Applications of	<ul style="list-style-type: none"> a. Human Activity: <ul style="list-style-type: none"> i. Settlement ii. Transport iii. Landuse iv. Mining b. Environmental Hazards & Assessment: <ul style="list-style-type: none"> i.Landslides ii. Tsunami iii. Soils Degradation iv.Floods c. Watershed Management d. Field Visit (Not more than two days)for observations and identification of landforms 	6 5 4 4