

K.T.S.P. MANDAL'S
SAHEBRAOJI BUTTEPATIL MAHA VIDYALAYA
 RAJGURUNAGAR
2013 Pattern
SECTION I
F.Y.B.A
Subject- Geomorphology

Unit	Topics
I	Introduction to Geomorphology a. Introduction to Physical Geography and its branches b. Geomorphology- Definition, Nature and Scope
II	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
III	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
IV	Rocks a. Rock- Definition and origin. b. Type of Rocks- Igneous, Sedimentary and Metamorphic rocks
V	Crustal Movements a. Internal Movements- Definition, Causes b. Classification of Movements i. Slow movements- Folding and Faulting ii. Rapid movements – Volcanism and Earthquakes

Unit	Topics
IV	<p>Weathering</p> <p>a. Definition of Weathering</p> <p>b. Type of Weathering- Mechanical, Chemical, biological and Anthropogenic weathering</p> <p>c. Hydrological cycle</p>
IIV	<p>Agents of Erosions and Depositions</p> <p>Landforms created by following agents</p> <p>a. Rivers.</p> <p>b. Sea-waves.</p>
IIIV	<p>Mass Wasting</p> <p>Concept – Type – Soil Creep, Landslides, Debris flows, Avalanches, Mud Flow</p>
IX	<p>Slopes</p> <p>Meaning & Definition of slopes, Types and slope segments Concave, Convex , Terraced, Rectilinear</p>
X	<p>Applications of Geomorphology</p> <p>a. Human Activity: i. Settlement ii. Transport iii. Landuse iv. Mining v. Resource Evaluation</p> <p>b. Environmental Hazards & Assessment: i. Landslides ii. Tsunami iii. Soils Degradation iv. Floods</p> <p>c. Watershed Management: d. Field Visit (Not more than two days) for observations and identification of landforms.</p>