

**GOVERNMENT COLLEGE (AUTONOMOUS), RAJAMAHENDRAVARAM**

**DEPARTMENT OF GEOGRAPHY**

**SYLLABUS**

**FIRST YEAR B.A. /B.Sc. SEMESTER –II**

**PAPER - 2 : PHYSICAL GEOGRAPHY -1  
GEOMORPHOLOGY**

**UNIT – I :**

1. Definition - Nature – Scope – Physical Geography. Interior of Earth.
2. Major Land forms - Mountains, Plateaus, Plains

**UNIT – II :**

1. Earth quakes - Volcanoes.
2. Rocks – classification.

**UNIT – III :**

1. Wegner' s Continental drift theory – Plate tectonic theory
2. Weathering – types . Erosion – cycle of erosion.

**UNIT – IV :**

1. Processes and Landforms development of Rivers – Winds – Ocean waves.

**UNIT – V:**

1. Processes and Landforms development of Under ground water - Glaciers.

**Suggested Reading:-**

1. Principles of Physical Geomorphology - William D Thornbury, CBS Publishers & Distributers, New Delhi.
2. Physical Geography Prof. B. Hema Malini et.al, Telugu Academy, Hyderabad.
3. Geomorphology Savindra Singh, Kalyani Publications, Delhi.
4. Physical Geography, R.N.Tikka, Kedarnath, Ramnath & Co. Meerut.

**GOVERNMAENT COLLEGE(AUTONOMOUS)RAJAMAHENDRAVARAM**  
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**SECOND SEMESTER PRACTICAL SYLLABUS**  
**FIRST YEAR B.A. /B.Sc. GEOGRAPHY**  
**PRACTICAL PAPER – 2 : REPRESENTATION OF PHYSICAL FEATURES**

1. Introduction to Topographical Sheets  
India and adjacent countries
2. ConventioMethods of Representation relief – Spot heights, Bench Marks, Lear coloring and Hill Shading.
3. Representation of Topographical features by contours.  
Slopes (Concave, convex, undulating and terraced)  
Valleys (V Shaped, U shaped, George, R-entrant)  
Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)  
Complex features (Waterfall, Sea cliff, Overhanging cliff, Fiord coast)
4. Interpretation of Topographical Maps and Conventional Signs

Suggested Reading:-

5. F.J.Monkhouse and H.R.Wilkinson (1972) Maps and Diagrams, Mothuen and Co. Ltd., London
6. L.R.Singh and Raghuvander Singh (1973), Map Work and Practical Grography, Central Book Depot, Allahabad.
7. R.I. Singh and P.K.Dutt (1968), Elements of Practical Grography, Students Friends, Allahabad.
8. Singh Gopal (2004) 4<sup>th</sup> edition, Map Work and Practical Geography, Viksa Publication House.