

## Paper 201 Physical Geography – I

**Maximum Marks : 100**  
**External Assessment: 75**  
**Internal Assessment: 25**  
**Time : 3 Hours**

- Note: 1. There will be eight short Questions in part-A. The candidate has to attempt five questions. Each question carries five marks.*  
*2. Answer the questions with internal choice from part-B. The candidate has to answer one question from each SET. Each question carries ten marks.*

### Unit-I

1. Definition, Nature, scope of Physical Geography.
2. Geological time scale and rocks.

### Unit-II

1. Earth movements; organic, epeirogenic, earth quakes and volcanoes.
2. Wegner's theory of continental drift and Plate tectonic theory.

### Unit-III

1. Weathering; causes and its types.
2. Mass-movements; causes, its types and impacts.

### Unit-IV

1. Concept of cycle of erosion; cycle of erosion of W.M. Davis.
2. Penck's model of Cycle of erosion.

### Unit-V

1. Process of Wind, River, Underground water, Glaciers and Sea waves.

### References

1. Sharma H.S. Perspective in Geomorphology, Concept, New Delhi 1980.
2. Singh Savinder, Geomorphology, Prayag Publication, Allahabad 1998.
3. Singh Savinder, Physical Geography Prayag Publication, Allahabad, 1998.
4. Sparks B.W. Geomorphology, Jojngman, London, 1960.
5. Thornbury W.D. 1969 Principles of Geomorphology, New York, John Wiley & Sons.

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**Paper 202 Representation of Physical Features**

**Maximum Marks: 100**

**Time : 3 Hours**

**Distribution of Marks**

**Exercises = 80**

**Record File = 10**

**Viva-voce = 10**

*Note: There will be six questions in all. Candidate has to attempt four questions at least one from each unit. Each question carries 20 Marks.*

1. Introduction to Topographical Sheets  
India and adjacent countries
2. Conventional Signs
3. Methods of representing relief-Spot heights, Bench Marks, Lear coloring and Hill Shading.
4. Representation of Topographical features by contours.  
Slopes (Concave, convex, undulating and terraced)  
Valleys (V Shaped, U shaped, Gorge, Re-entrant)  
Ridges (Conical hill, Volcanic hill, Plateau, Escarpment)  
Complex features (waterfall, sea cliff, overhanging cliff, Fiord coast)
5. Interpretation of Physical Features in SOI maps.

Suggested Readings:

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 Geography, Central Book Depot, Allahabad.
7. R.I. Singh and P.K. Dutt (1968), Elements of Practical Geography, Students Friends, Allahabad.
8. Singh Gopal (2004) 4<sup>th</sup> edition, Map Work and Practical Geography, Viksa Publication House.

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