

**DEPARTMENT OF GEOGRAPHY**  
**FACULTY OF NATURAL SCIENCES**  
**JAMIA MILLIA ISLAMIA**  
**NEW DELHI – 110 025**

**(A Central University by an Act of Parliament)**



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**B.A./B.Sc.(Subsi) Geography**

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**Syllabus (w.e.f. 2015-2016)**

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## COURSE STRUCTURE OF B.A./B.Sc Subsidiary (Geography)

<b>Semester-I</b>	<b>Credits</b>
Paper: I (GEB-101) Basics of Geomorphology	4
<b>Semester-II</b>	
Paper: II (GEB-201) Basics of Climatology and Oceanography	4
<b>Semester-III</b>	
Paper: III (GEB-301) Human Geography	4
<b>Semester-IV</b>	
Paper: IV (GEB-401) Geography of Resources	4
<b>Semester-V</b>	
Paper: V (GEB-501) Geography of India	4
<b>Semester-VI</b>	
Paper: VI (GEB-601) Disaster Management	4

### **GRAND TOTAL**

<b>Semester</b>	<b>Subsidiary</b>			<b>Total Papers</b>	<b>Credits</b>
	<b>Theory</b>	<b>Practical</b>	<b>Total</b>		
<b>I</b>	01	-	01	01	<b>04</b>
<b>II</b>	01	-	01	01	<b>04</b>
<b>III</b>	01	-	01	01	<b>04</b>
<b>IV</b>	01	-	01	01	<b>04</b>
<b>V</b>	01	-	01	01	<b>04</b>
<b>VI</b>	01	-	01	01	<b>04</b>
<b>Total Papers</b>	06	-	06	06	<b>24</b>
<b>Total Credits</b>	<b>6 * 4 =24</b>	-	<b>24</b>		<b>24</b>

**Semester-I**  
**Basics of Geomorphology**  
**Paper: I (GEB-101)**

**Credits: 4**

**Unit-I**

The nature and scope of Geomorphology; Constitution of earth's interior; Geological Time Scale; Continental Drift, Plate Tectonics.

**Unit-II**

Forces of earth crust and earth movements; Folds and Faults; Rocks: Formation and Types; Volcanoes and Earthquakes; Weathering: Normal cycle of Erosion by Davis & Penck.

**Unit-III**

Topographic Features: Fluvial, Glacial, Aeolian, Karst and Coastal.

**Unit-IV**

Relevance of Geomorphological studies in Environment Management, Settlement and Industries.

**Books Recommended:**

1. Dayal, P., 2015. Text-Book of Geomorphology, Shukla Book Depot, Patna.
2. Gabler R.E, Peterson. J.F., Trapasso, L.M. 2009. Essentials of Physical Geography Brooks/Cole Cengage Learning.
3. Kale, V. and Gupta, A., 2004. Elements of Geomorphology. Oxford University press, Calcutta.
4. Strahaler, A.H., 2013(6<sup>th</sup> edition). Introducing Physical Geography. Wiley Pub.
5. Thornbury, W.D., 1991. Principles of Geomorphology, Wiley Eastern Ltd., New Delhi
6. Worcester, P.C. 1969. Text Book of Geomorphology. East West Press, New Delhi.
7. Savindra Singh. Fundamental Concepts in Geomorphology. Prayag Pustak Bhavan, Allahabad.
8. Gautam, A. 2015. Geomorphology. Sharda Pustak Bhawan.
9. Hugget, R.J. 2011. Fundamentals of Geomorphology. Routledge Pub.
10. Harvey, 2012. A. Introducing Geomorphology: A Guide to Landforms and Processes. Dunedin Academic Press

**Semester-II**  
**Basics of Climatology and Oceanography**  
**Paper – II (GEB-201)**

**Credits: 4**

**Unit-I**

Composition and structure of the atmosphere; Weather and Climate: Temperature, Precipitation and pressure; Insolation and heat Budget.

**Unit-II**

Pressure Belts; Permanent, Seasonal and Local Winds; Air Masses and Fronts; Cyclones and anti cyclones

**Unit-III**

Configuration of Ocean floor; Sub-marine relief of Atlantic and Indian Ocean; Temperature and Salinity; Tides and Currents; Ocean Deposits

**Unit-IV**

Ocean Deposits; Corals and Atolls; Marine Resources: Conservation and Management

**Books Recommended:**

1. Sharma, R.C. and Vatal, M., 2005(5<sup>th</sup> edition) . Oceanography for Geographers, Chaitanya Pub., Allahabad.
2. Treewartha, G.T. and Horn, L.A., 1980. Introduction to Climate, International Studies.
3. Lal, D.S. 2012. Climatology. Sharda Pustak Bhawan, Allahabad.
4. Andrews, David g.Lauthor. 2010. An Introduction to Atmospheric Physics. Cambridge University Press.
5. Singh. S. 2009. Oceanography. Prayag Pustak Bhawan, Allahabad.
6. Hussain, T and Tahir, M. 2012. Climatology. Jawahar Pub., New Delhi
7. Hussain, T and Tahir, M. 2012. Oceanography. Jawahar Pub., New Delhi
8. Siddhartha, K. 2013. Oceanogaphy:A Brief Introduction. Kisalaya Pub., New Delhi.
9. Singh, S. 2013. Physical Geography. Prayag Pub., Allahabad.
10. Hussain, Majid. 2009. Fundamentals of Physical Geography. Rawat Pub.