

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

(A Central University by an Act of Parliament)



B.A. Programme Geography

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

COURSE STRUCTURE OF B.A. PROGRAMME

Semester-I

Paper: I (GGB-01) Geomorphology 4

Semester-II

Paper: II (GGB-02) Climatology and Oceanography 4

Semester_III

Paper: III (GGB-03) Man and Environment 4

Semester-IV

Paper: IV (GGB-04) Geography of Resources 4

Practical- I Cartographic Methods 2

Practical- II Basic Statistics 2

Semester-V

Paper: V (GGB-05) Fundamentals of Remote Sensing and GIS 4

Practical- III Surveying 2

Practical- IV Image Interpretation 2

Semester-VI

Paper: VI (GGB-06) Geography of India 4

GRAND TOTAL

Semester	Core Course			Total	Credits
	Theory	Practical	Total	Papers	
I	01	-	01	01	04
II	01	-	01	01	04
III	01	-	01	01	04
IV	01	02	03	03	08
V	01	02	03	03	08
VI	01	-	01	01	04
Total Papers	06	04	10	10	32
Total Credits	6 * 4 =24	4 * 2 = 08	32		32

SEMESTER- I
Geomorphology
Paper: I (GGB-01)

Credits: 4

UNIT-I

Definition, Nature and Scope of Geomorphology; Origin of Solar System; Interior of the Earth; Wegner's theory of Continental Drift; Rocks: Types, Origin and Composition.

UNIT-II

Geomorphic processes: Weathering, Erosion, Transportation and Deposition, Fold and Faults, Earthquakes and Volcanoes.

UNIT III

Evolution of Landforms: River, Glacier, Wind; Geomorphic Hazards and their management:

Books Recommended:

1. Dasagupta and A.N. Kapoor. 2001. Principles of Physical Geography. S.Chand and Co., NewDelhi.
1. Dayal, P.,2015. Text-Book of Geomorphology. Shukla Book Depot, Patna.
3. Monkhouse,F.J. 1960. Principles of Physical Geography. Hodder and Stoughton, London.
4. Enayat Ahmed. 1982. Physical Geography. Kalayani Publishers, Ludhiana.
5. Savindra Singh. 2006. Fundamental Concepts in Geomorphology. Prayag Pustak Bhavan, Allahabad.
6. Strahaler, A.H., 2013(6th edition). Introducing Physical Geography. Wiley Pub.
7. Gautam, A. 2015. Geomorphology. Sharda Pustak Bhawan.
8. Hugget, R.J. 2011. Fundamentals of Geomorphology. Routledge Pub.
9. Harvey, 2012. A. Introducing Geomorphology: A Guide to Landforms and Proecesses. Dunedin Academic Press

SEMESTER II
Climatology and Oceanography
Paper – II (GGB-02)

Credits: 4

Unit-I

Composition and structure of the atmosphere; weather and Climate: Temperature, Precipitation and pressure; Insolation and heat Budget; Processes: Evaporation and Condensation.

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 Indian Ocean; Temperature and Salinity; Tides and Currents; Ocean Deposits

Books Recommended:

1. Sharma, R.C. and Vatal, M., 2005(5th edition) . Oceanography for Geographers, Chaitanya Pub., Allahabad.
2. Treewartha, G.T. and Horn, L.A., 1980(5th edition). 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. Oceanography:A Brief Introduction. Kosalaya Pub., New Delhi.
9. Singh, S. 2013. Physical Geography. Prayag Pub., Allahabad.
10. Hussain, Majid. 2009. Fundamentals of Physical Geography. Rawat Pub.
11. . Barry, R.G. and Chorley R.J. 2009(9th edition). Atmosphere Weather and climate, Routledge.
12. Critchfield, J.H. 1983(4th edition). General Climatology. Phi Learning Pub.