

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

(A Central University by an Act of Parliament)



B.Sc.(General) Geography

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

Course Structure of B.Sc. (General) Geography

Papers	Title	Credits
Semester-I		
GE-1	Physical basis of Geography	3
GE-1(Lab 1)	Mapping of Physical data	1
Semester-II		
GE-2	Human Geography	3
GE-2 (Lab2)	Mapping of Socio-economic data	1
Semester-III		
GE-3	Fundamentals of Remote Sensing and GIS	3
GE-3 (Lab3)	Image Interpretation	1
GE-4	World Regional Geography	4
Semester-IV		
GE-5	Environmental Issues	4
GE-6	Geography of India	4
Semester-V		
GE-7	Regional Development and Planning	4
GE-8	Population and Development	4
Semester-VI		
GE-9	Economic Geography	4
SEC	Project	4
AECC	Digital Mapping	4

GRAND TOTAL

Semester	Core Course			Skill Enhancement	Total Papers	Credits
	Theory	Practical	Total			
I	01	01	02	-	02	05
II	01	01	02	-	01	05
III	02	01	03	-	03	08
IV	02	-	02	-	02	06
V	02	-	02	-	02	06
VI	01	-	01	01	02	07
Total Papers	09	03	9+3 =12	01	12+1=13	
Total Credits	9 * 3 =27	3*2=6	27+6=33	1*4=4		33+4=37

Semester-I
Physical Basis of Geography
Paper –I (GE-1)

Credits : 4 (3+1)

UNIT-I

Definition, Nature and Scope of Physical geography; Origin of Solar System; Earth's Rotation and Revolution and its effects; Interior of the Earth; Wegner's theory of Continental Drift; Rocks: Types, Origin and Composition.

UNIT-II

Geomorphic processes: Weathering, Erosion, Transportation and Deposition, Folds and Faults, Earthquakes and Volcano.

UNIT III

Topographic landforms: River, Glacier, Wind; Geomorphic Hazards and their management:

UNIT IV

Representation of Physical Data

- i) Methods of depicting relief feature:-contour, Hachure, hill shading
- ii) Representation of physical features through contours: hill, mountain, waterfall, spur, escarpment, valley (V-shaped and U-shaped)
- iii) Determination of slope: convex, concave, gentle and steep
- iv) Representation of climatic data: Rainfall and Temperature through Bar graph and line graph

Books Recommended:

1. Dayal, P.,2015. Text-Book of Geomorphology, Shukla Book Depot, Patna.
2. Kale, V. and Gupta, A., 2004. Elements of Geomorphology. Oxford University press, Calcutta.
3. Gautam, A. 2015. Geomorphology. Sharda Pustak Bhawan
4. Worcester, P.C. 1969. Text Book of Geomorphology. East West Press, New Delhi.
5. Savindra Singh. Fundamental Concepts in Geomorphology. Prayag Pustak Bhavan, Allahabad.
6. Monkhouse. F. J. and Wilkinson. H. R. 1972. Maps and Diagrams. Methuen , London.
7. Misra. R. P. 1969. Fundamentals of Cartography. Prasaranga. University of Mysore, Mysore

Semester-II
Human Geography (GE-2)

Credits: 4 (3+1)

Unit –I

Nature and Scope of Human Geography; Approaches to the Study of Human Geography: Determinism, Possibilism, Neo-Determinism and Ecological.

Unit –II

Theories of Population Growth: Malthus and Demographic Transition; Theories and Models of Migration: Lee; Consequences of Migration; Growth and Distribution of World Population

Unit –III

Rural and Urban Settlements: Origin, Types and Patterns; Habitat, Economy and Society of Eskimos, Pygmies and Nagas

Unit –IV – Representation of Socio-Economic Data

Population Distribution: Rural (Dots) and Urban (Proportional Circles); Population Growth (Line Graph); Age and Sex Pyramid; Economic Data by Simple, Compound and Multiple Bars; Production of Crops (Pie Diagram).

Books Recommended:

1. Hoyt, J. B. 1973. Man and the Earth. Prentice Hall , New Jersey
2. Husain, M. 1994. Human Geography. Rawat Publication, Jaipur.
3. Chandna, R.C. 2015. Geography of Population: Concepts Determinants and Patterns, Kalyani Publishers.
4. Monkhouse. F. J. and Wilkinson. H. R. 1972. Maps and Diagrams. Methuen , London
5. Misra. R. P. 1969. Fundamentals of Cartography, Prasaranga. University of Mysore, Mysore