

GEOGRAPHY

SCHEME OF STUDIES

Distribution of Marks	=	200
Paper-I(Physical Geography)		70
Paper-II(Human & Regional Geography)	=	70
Practical(Map Work & Practical)	=	60

Paper-1	15	Paper-2	
Paper	15	Paper	10
Report	05	Survey	12
Record Work	05	Record Work	05
Viva Voce	05	Viva Voce	03

PAPER-I (3rd YEAR)

(Part 1)

PHYSICAL GEOGRAPHY:

1. The Earth & Its Origin:
The Universe, the solar system and the earth, Earth's origin, shape and size, rotation and revolution, composition and structure, distribution of land and water. Introduction to geological Time scale.
2. Atmosphere:
Composition and structure of atmosphere. atmospheric temperature and pressure, winds and global circulation, airmasses and fronts(Classification, distribution & associated weather), cyclones and weather disturbances, Hydrological cycle. Atmospheric moisture and precipitation, climatic classification: koppen's classification With special reference to the following types Af, Am. Bsh, Csa and DI; Atmospheric pollution.
3. Lithosphere:
Internal structure of the earth, rock-origin, formation and types(igneous, sedimentary and metamorphic,) plate tectonics, mountain building, geomorphic processes-internal and external, earthquakes, volcanic activity, weathering and Mass Wasting. Erosion and Deposition. Cycle of Erosion. landforms by surface water, ground water, winds and glaciers.
4. Hydrosphere:
Configuration of ocean floor, ocean deposits, composition, temperature and salinity of ocean water, movements of the ocean water, waves, currents and tides.
5. Biosphere
Origin and Evolution of life on earth(with reference to geological time scale) Formation and types of soils, Forest Biome(major forest type)

Books Recommended

1. Strahlar. A.N. Strahlar .A.H.(2000) Physical Environment. New York, John Wiley.
2. Christopherson R. W.(2000) Geo-Systems. USA, Prentice Hall, Inc.
3. Well & Well and N(1998) Atmosphere & Oceans, London, Longman.
4. Monkhouse. F.J.(1996) Principles of Physical Geography, London. Hodder&Stoughton.
5. Rathor. A. Hamid (1996)Tabhi Geographia, Islamabad, Muqtadra Qaumi Zaban
6. De Bilj.H.J. & mullar. P.O. (1996) Physical Geography of the global environment. USA. John Wiley & sons Inc.
7. Taylor J. (1993)Integral Physical Geography. London. Longman.
8. Moliveen.J.F.R. (1991) Fundamentals of Weather and Climate. London. Chapman & Hall.
9. Small. R.J. (1989)Geomorphology and Hydrology .London. Longman.
10. Thompson.R.D.(1986) Process in Physical Geography. London. Longman
11. Miller.E.W. (1985) Physical Geography. Columbus. C:har!es F. Merril.
12. King.CAM (1980) Physical Gcog,aph: Oxfcici Basil 1'liaci:v. cll.

PAPER-II (4th YEAR)

HUMAN & REGIONAL GEOGRAPHY

Part-I

Human Geography:

- a) Man-environment Interaction:
Themes of Environment Determinism, Possibilism & Perception.
- b) Population:
Growth & composition(age and sex structure), population change. natural increase & migration and distribution.
- c) Settlements:
Location, forms and function of urban & rural settlements, Central Place Theory.
- d) Economic activity:
Location characteristics of Primary, Secondary, Tertiary, Quaternary and Quinary activities.
- e) Environmental Problems:
Ecosystem and environmental degradation.

Part-II

Regional Geography

- (a) Regional Concept.
- (b) Study of Pakistan with special emphasis on resource base (Physical, I human and Economic) Transport, Trade and International Relations.

Books Recommended

1. De Bilj H.J.and Muller. (2000) Geography Realms Regions and Concepts.
2. De Bilj H.J.(2000) Human Geography Culture, Society and Space.
3. Kuby.M. Human Geography in action
4. Khan .F.K. An Introduction to Economic Geography. Saleem Publishing house Karachi.
5. Israr-ud-Din Studies in Pakistan Geography. University of Peshawar. NWFP.
6. Khan .P.K. An Economic Geography of Pakistan. Oxford University Press.
7. Rusenteinone. An Introduction to Human Geography.
8. Home.B. The Integrated Human Geography. London. Longman.
9. Fisher J. Geography and Development. A world regional approach.

10. Witherick.M. Population Geography
11. Barrett.H. Population Geography. London. Longman.
12. Kureshy.K.U. Geography of Pakistan.

MAP WORK & PRACTICAL GEOGRAPHY

Part-I

- 1- Introduction to Maps
 - (a) Types of Maps
 - (b) Scales-Plain, diagonal, comparative and their uses.
- 2- Interpretation of
 - (a) Topographical Maps
 - (b) Composite Contours Maps.
 - (c) Weather maps of Pakistan.
 - (d) An introduction to Aerial Photographs and Remote Sensing.
- 3- Methods of showing relief, drawing of Composite Contours with the help of given data.
- 4- Simple quantitative techniques and their use in Geography. Methods of Data collection. Study of frequency distribution, averages (mean, median and mode) mean deviation, standard deviation.
- 5- Field report based on the study of geographical aspects of a selected area / activity.

Part-II

1. Map projections: general properties, classification, choice of projection. merits and demerits construction of graticule of following projections.
 - (a) Cylindrical-simple, equal area, and mercator's (with table)
 - (k) Zenithal Gnomonic Stereographic, Orthographic (polar case)
 - (c) Conical-one and two standard parallels and Bonne's. Note: There will be compulsory question on projections.
2. Preparation of distributional maps with the help of symbols. lines, bars, shades, dots and circles.
3. instrumental surveying: making of plans with the help of chain, plane table and prismatic compass
4. Introduction to the basic computing: DOS.. WINDOWS. Word processing and simple graphics.

Books Recommended

1. Robinson.A.N. Elements of Cartography.

2. Leon.A &Leon M. Introduction to computers.
3. Bert ET. Elements of statistics for Geographers.
4. Khan j.A.V'eather maps interpretation of Pakistan.
5. Benton. Jr. A.R. Elements or plane sur■eyine.
6. Avery.T.E. and Bertin.G.L. Fundamentals of Remote sensing and Air Photo Interpretation.
7. Campbell J. Introduction to Cartography.
8. Briggs. K. Practical Geography.
9. Alimad.K.S. Map Projection.
10. Miiller.V.C. Westerback. M.E. An interpretation of 'lopcgraphical maps.