

UNIVERSITY OF PESHAWAR
(N.W.F.P. Pakistan)

CONTROLLER OF EXAMINATIONS
(Post Code: 2512)

Phone: (091) 42928
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Extension: 3155

No. 420 .Secy./B.A./B.Sc.

Dated 14.10.1998

To

The Principals,
All Affiliated Colleges,
N.W.F.P, University of Peshawar.

Subject: - B.A/B.SC. GEOGRAPHY, NEW SYLLABUS APPROVED BY ACADEMIC COUNCIL ON 10.01.1998.

Memo:

Reference letter No.624-6/Geog/Sylbs. Dated 05.10.1998 of the Chairman Depatt: of Geography, Urban & Regional Planning, enclosed please find a copy of the syllabus of the subject and note that this syllabus shall start from the session 1998 and onward in B.A/B.Sc. Part-I (3rd year) positively.

Sd/xxx xxx xxx,
(Prof: Mohammad Kamal)
Controller of Examinations,
(B.A/B.Sc.)
University of Peshawar

No. 521 – 524 /Secy. B.A/B.Sc. of even date.

Copy to :

1. P.S. to Vice-Chancellor. University of Peshawar.
2. Chairman Deptt: of Geography, University of Peshawar.
3. Deputy Registrar (Academic), University of Peshawar.
4. Office Record.

Sd/xxx xxx xxx
Controller of Examinations,
University of Peshawar

B.A/B.SC. GEOGRAPHY SYLLABUS

FOR ANNUAL EXAMINATION 1998 ONWARDS.

The B.A/B.Sc. shall have the following papers and practical work for which the Maximum Total Marks will be 150 which are divided as follows:

Part – I

Paper – I	Physical Geography	40 Marks
Paper – II	Map Work – I	20 Marks
	Practical & Field Work	15 Marks

Part – II

Paper – III	Regional Geography of Pakistan and Human Geography	40 Marks
Paper – IV	Map Work – II	20 Marks
	Instrumental Survey & Field Report	15 Marks

B.A/B.Sc. 3rd Year (Part – I)

Paper – I, Physical Geography

40 Marks

Lithosphere:

1. Principal views regarding the origin of the earth, continents and oceans.
2. Material of the earth crust: common rock forming minerals, major rock types (Sedimentary, Metamorphic and Igneous) and their divisions, Architectural features of the earth's crust-joints, folds and faults.
3. Earth Movements: Scenery resulting from these movements.
4. The main features of the Geological Time Scale, Geomorphic processes, Weathering and Mass Movement.
5. A general study of Soils, major soil groups.
6. Classification of river valleys, drainage pattern, stream erosion, transpiration and deposition. Land forms produced by erosion and deposition.
7. Methods of wind erosion, transportation and deposition, topographic effects of wind erosion and depositions.
8. Karst Topography: Conditions essential for development, features characteristic of Karst region.
9. Types of Glaciers, process of glacial erosion, transportation and deposition, Major features resulting from glacial erosion and deposition.
10. Marine erosion: Factor's affecting wave action topographic features resulting from marine erosion and deposition.
11. Land-forms resulting from volcanism: Distribution of volcanoes, types of volcanoes.
12. Soil Degradation.

Atmosphere:

1. Composition of the atmosphere.
2. Distribution of temperature. Factor affecting horizontal distribution of temperature over the globe, vertical distribution, the vertical gradient of temperature, inversion of temperature.
3. Pressure: Barometric pressure, gradient, isobars, the origin of the difference of pressure and pressure belts.
4. Air Masses: Types, characteristics and distribution.
5. Winds: The relation of wind to pressure over the globe, major wind systems, trades: westerlies, polar winds and monsoon.
6. Minor circulation of the atmosphere: Depression or lows of the temperate and tropical latitudes, anticyclones.
7. Humidity and precipitation, water vapour in air, absolute and relative humidity, dew point condensation fogs, clouds, rainfall types and general distribution.
8. Atmospheric Pollution.

Hydrosphere:

1. General Distribution of land and sea.
2. Relief of the ocean floor – continental shelf, slope and deep sea plain.
3. Ocean deposits, terrigenous and pelagic.
4. Composition of Sea water: Temperature and Salinity of the Oceans.
5. Movement of the oceans, waves, tides and currents.
6. water pollution.

Books Recommended:

1. Philip Lake (1961), Physical Geography, London-University Press, London.
2. W. Thornbury (1961), Principles of Geomorphology, McGraw Hill, New York.
3. Monk House, Physical Geography, MehtuenLtd., London.
4. Das Gupta & Kapur A.N. (1995), Physical Geography, S. Chand & Company Ltd. New Delhi.
5. A. Holmes (1959), Principles of Geology, MehtuenLtd. London.
6. Wooldridge and Morgan, Physical basis of Geography, Mehtuen Ltd. London.
7. Alan Strahler & Arthur Strahler (1994), Introduction to Physical Geography, John Wiley & Sons, Inc. New York.
8. Willcock, David (1983), Physical Geography (Flow, Systems and Changes) Scot print Ltd. Musselburgh.

Transmission of Content:

Lectures to be supplemented by Audio-Visual Aids as Follows:

- a. Models
- b. Slides, film strips
- c. Rocks, minerals and soil specimens
- d. Magazines and Journals
- e. Photographs

Paper – II

Map Work - I

20 Marks

Map Work and Map Reading.

1. Scales and their transformation
2. Representation of Direction
3. The study and interpretation of Topographical (ordinances survey) maps of Pakistan, Aerial Photographs and Introduction to Remote Sensing.
4. Exercises on Contours.
5. Weather Maps of Pakistan: Pakistan Daily Weather Report, weather forecasting techniques.

Practicals and Field Work

20 Marks

Practical and Field Work

1. Working knowledge of the following: Barometer, Barograph, Anemometer, Maximum and Minimum Thermometer, Rain Gauge and Hygrometer and Computer.
2. Identification of Rocks.
3. Construction of the plan of a given area with: Chain and tape survey/Dumpy level, Abney level and Theodolite Survey.

Books Recommended:

1. John Bygott (1964): Map Work (University Tutorial Press).
2. R.L. Singh and P.K. Dutt (1979) : Elements of Practical 'geography (Students Friends Allahabad – 3).
3. Shaheen Farhat (1997 – 98): A New Geography Book on Map Work and Field Work, A.H. Publishers, Lahore.

Lectures to be supplemented by:

1. Audio – Visual Aids:
 - a. Models
 - b. Sliders, film strips and overhead projector (transparencies)
 - c. Maps of Survey of Pakistan and Weather Map of Pakistan.
2. Field trips to study physical and human landscape.
3. group discussion and assignments.

Evaluation/Distribution of marks:

There will be two parts in Paper – B. The students will be required to attempt at least two questions from each part. Each question will carry equal marks.

Books Recommended:

1. K.U. Kureshy: (1986) Geography of Pakistan.
2. F.K. Khan: (1990) Geography of Pakistan, Environment and Society.
3. E. Jones: (1965) Human Geography.
4. M. Money: (1980) Elements of Human Geography.
5. Ch. W Hammond: (1985) Elements of Human Geography.

Paper – IV

Map Work - II

20 Marks

Map Work and Map Reading:

1. **Distributions Maps. (Thematic Maps)**

(The candidates shall be required to represent given economic and population data with the help of the following methods. They should also know the merits and demerits of each):

Map Projections:

1. General Principles, classification, identification and choice of Projection.
2. Merits, demerits, uses and construction of the graticules by simple graphic methods of the following projections. Mercator's and Conical with one and two standard parallels, Bonne's Projection, Zenithal (Polar cases).

Field Report and Instrumental Survey:

15 Marks

1. Construction of the plan of a given area with:
 - (i) Plane Table (7 Marks) and
 - (ii) Brief Field Report on the study of a selected area (8 Marks)

Note:

1. The practical work done by the candidates during their course of study, signed by the Teacher, will be inspected and credit given for it.
2. Field report of about two thousand works must be prepared on the study of different geographical aspects of a selected area.
3. Simple quantitative techniques and their use in geography, as

Frequency distribution, averages (Mean, Median and Mode), Mean Deviation, Standard Deviation.

Books Recommended:

1. John Bygott: Map Work (University Tutorial Press)
2. Kazi S. Ahmad: Map Projections (Publishers United)
3. R.L. Singh and P.K. Dutt: Elements of Practical Geography (1979), (Students Friends Allahabad-3)
4. Bhatti, Elementary Statistics.
5. Guljan, Mushtaq-ur-Rehman (1974) Map Projections.