Outlines of Tests and Courses of Reading BA/B Sc Pass Course

Geography
B.A./B.Sc.: Elective and Optional

Part-I
Outlines of Tests

<table>
<thead>
<tr>
<th>Paper</th>
<th>Title of Course</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A:</td>
<td>Physical Geography</td>
<td>70</td>
</tr>
<tr>
<td>C:</td>
<td>Map Work (Practical-I)</td>
<td>30</td>
</tr>
<tr>
<td>i.</td>
<td>Written Paper</td>
<td>15</td>
</tr>
<tr>
<td>ii.</td>
<td>Viva Voce</td>
<td>05</td>
</tr>
<tr>
<td>iii.</td>
<td>Record</td>
<td>10</td>
</tr>
</tbody>
</table>

Total Marks 100

Syllabi and Courses of Reading

**PAPER-I: PHYSICAL GEOGRAPHY**

Objective:
To create understanding of Physical environment.

Contents:

1. **The Earth and its Origin:**
The universe: the solar system, Earth's origin, shape and size, rotation and revolution, composition and structure.

2. **Atmosphere:**
Composition and structure of atmosphere, temperature and pressure, winds and their global circulation, air masses and fronts (classification, distribution and associated weather), cyclone and weather disturbances. Hydrological cycle, atmospheric moisture and precipitation, climate classifications: Koppen's classification with special reference to the following types: Af, Am, Bsh. Csa and DF. Atmospheric pollution.

3. **Lithosphere:**
Internal structure of the Earth. Rocks origin, formation and types (igneous, sedimentary and metamorphic) plate tectonics, mountains building, geomorphic processes internal and external, earth quakes, volcanic activity, weathering, mass wasting, landforms produced by surface water, ground water, winds and glaciers.

4. **Hydrosphere:**
Configuration of ocean floor, deposits, composition, temperature and salinity of oceanic water, movement of the oceanic water, waves, currents and tides.

5. **Biosphere:**
Origin and evaluation of life on Earth (with reference to Geological time scale). Formation and types of soils, Forest Biome. (Major forest types)

**TRANSMISSION OF CONTENTS**
Lecturers to be supplemented by Audio-visual aids:

1. Maps and Models
2. Slides, films strips and transparencies
3. Rocks, minerals and soil specimen
4. Magazines and journals
5. Photographs
6. CDs

**Books Recommended:**

GC University, Faisalabad

**Practical Part-I**

**MAP WORK (PRACTICAL-I) 30 Marks**

Detail of practical

i. Written Paper 15
ii. Viva Voce 05
iii. Record 10

i) **Introduction to Map**

Definition, types and use of maps

ii) **Scale**

Plain, Diagonal, Conventional signs and contours of various land forms

Weather maps, Beauport scale, weather forecasting

Aerial photography and remote sensing

3. **Collection, Tabulation and Presenting of Data:**

Sample, quantitative techniques and their use in Geography. methods of data collection, study of frequency distribution. Average (mean, mode and median). Mean deviation and standard deviation. Statistical diagrams and distribution maps.

4. **Map Projections:**

General principles, classification, choice of projections, merits and demerits, construction of graticules by simple graphic methods of the following projections.

i. Cylindrical Projections: Simple, Equal Area and Mercators projections
ii. Conical Projections: One and two standard parallel and Bonne’s projections
iii. Zenithal Projections: Gnomonic, Stereographic and Orthographic Projections (polar case)
Geography
B.A./B.Sc.: Elective

Part-II
Outlines of Tests

<table>
<thead>
<tr>
<th>Paper</th>
<th>Title of Course</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A:</td>
<td>Human and Regional Geography</td>
<td>70</td>
</tr>
<tr>
<td>C:</td>
<td>Surveying and field report (Practical-II)</td>
<td>30</td>
</tr>
<tr>
<td>i.</td>
<td>Field Survey</td>
<td>10</td>
</tr>
<tr>
<td>ii.</td>
<td>Field Report</td>
<td>10</td>
</tr>
<tr>
<td>iii.</td>
<td>Viva Voce</td>
<td>05</td>
</tr>
<tr>
<td>iv.</td>
<td>Record</td>
<td>05</td>
</tr>
<tr>
<td>Total Marks</td>
<td></td>
<td>100</td>
</tr>
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PAPER-II: HUMAN AND REGIONAL GEOGRAPHY

Objective:
To develop the skills of analytical study of Man- Environment interaction.

Section I  HUMAN GEOGRAPHY

1. Man environment interaction
   Environment determinism, possibilism and perception

2. Population
   Growth and natural increase, composition (age and sex structure)
   population change, migration and distribution.

3. Human Settlements
   Location, forms and function of urban and rural settlements, central place theory

4. Economic Activity
   Location, characteristics of primary, secondary, tertiary and quaternary activities

5. Environmental Problems
   Ecosystem and environmental degradation

Section II  REGIONAL GEOGRAPHY

Study of South Asia with special reference to Pakistan.
Under the following headings:
Resources base (Physical, Human, Economic) Transport, trade and Geo Political importance.

Books Recommended:

   New York, John Wiley.


iv) Khan F.K An introduction to Economic Geography Karachi Saleem publishing house


vi) Khan FK (2002) Pakistan, Geography, Economy and People Karachi


Practical Part-II

Surveying and field report (Practical-II)  30 Marks

1. Instrumental Surveying  (10)
   Making plans with the help of chain, plane table and prismatic compass

2. Field Report:  (10)
   Based on the study of Geographical aspects of a selected area/activity (a field
   may trip may be arranged to prepare this report)

3. Viva Vice:  (05)

4. Record  (05)

Books Recommended:

   University of Karachi
   and Air Photo Interpretation New York Macmillaian
   Topographical Maps, Ohio Merrill publishing Co.
   Lawarence Elbtine
10. Ahmad ,K. S. (1973) Map Projections, Lahore, Oxford WCB
    Chennai Leon Tech worlds
   176- Anarkali ,Lahore.
GEOGRAPHY : OPTIONAL

Outlines of Tests

<table>
<thead>
<tr>
<th>Paper</th>
<th>Title of Course</th>
<th>Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opt</td>
<td>General Geography of Pakistan</td>
<td>100</td>
</tr>
</tbody>
</table>

Syllabi and Courses of Reading

General Geography of Pakistan under the following heads:-
(i) Relief.
(ii) Climate.
(iii) Natural Vegetation.
(iv) Irrigation.
(v) Agriculture.
(vi) Minerals.
(vii) Power Resources.

Recommended Books: