

UNIVERSITY OF THE PUNJAB



Part-I A/2017
Examination:- M.A./M.Sc.

Roll No.

Subject: Geography (New Course)
PAPER: I (Geography: Traditions & Concepts)

TIME ALLOWED: 3 hrs.
MAX. MARKS: 80

NOTE: Attempt any FOUR questions. All questions carry equal marks.

Q. 1: Increasing urbanization is causing environmental problems. Discuss it with reference to developing countries.

Q.2: Highlight the role of Humboldt and Ritter as pioneers of Modern Geography.

Q.3: Describe the major reasons of Global Warming. Give examples.

Q.4: How can we overcome the issue of Ethnic Violence in the World?

Q.5: Write a comprehensive essay on the Energy Crises of Pakistan.

Q.6: Define Culture and discuss its major components.

Q.7: Write brief notes on any TWO of the following.

i) Greek's role in the development of Geography.

ii) Malthusian Theory of Population Growth

iii) Tourism in Pakistan



UNIVERSITY OF THE PUNJAB

Part-I A/2017
Examination:- M.A./M.Sc.

Roll No.

Subject: Geography (New Course)
PAPER: II (Environmental Geography)

TIME ALLOWED: 3 hrs.
MAX. MARKS: 80

NOTE: Attempt any FIVE questions. All questions carry equal marks.

- Q. No.1. Discuss the importance of Environmental Geography in reference to other disciplines of study. 20
- Q. No.2. Define energy and discuss its flow in the ecosystem in detail. 20
- Q. No.3. Write a detailed essay on the Hydrological cycle. 20
- Q. No.4. Enlist the factors which play an important role in the development of soils. 20
Discuss the techniques that can be used for the management and conservation of soils
- Q. No.5. Define Biotic regions. Give a detailed account of the grassland biotic region. 20
- Q. No.6. Discuss in detail the salient features of deserts. 20
- Q. No.7. Write short notes on any TWO of the following: 20
- a) Nitrogen Cycle
 - b) Geothermal energy
 - c) Causes and effects of Deforestation
 - d) Global Warming



UNIVERSITY OF THE PUNJAB

Part-I A/2017
Examination:- M.A./M.Sc.

Roll No.

Subject: Geography (New Course)
PAPER: III (Geomorphology)

TIME ALLOWED: 3 hrs.
MAX. MARKS: 80

Attempt any FOUR questions. All questions carry equal marks. Sketch maps and diagrams may be drawn wherever they serve to illustrate an answer.

- Q.1. Define rock cycle. What are geomorphic processes? Write a detailed note on endogenic processes.
- Q.2. Define drainage pattern. What are its different types and geological causes of their formation? Explain in detail.
- Q.3. What do you know about the role of wind in producing and shaping desert landscape. Explain depositional landforms produced by wind.
- Q.4. Define plate tectonics. Explain formation of different types of mountains due to plate movements.
- Q.5. Explain the concept of fluvial cycle and the development of erosional and depositional landforms by rivers.
- Q.6. Write a detailed description of RS and GIS application in the study of geomorphology.
- Q.7. Write short notes on any two of the following:
 - a) Rejuvenation
 - b) Types of glacier
 - c) Chemical weathering



UNIVERSITY OF THE PUNJAB

Part-I A/2017
Examination:- M.A./M.Sc.

Roll No.

Subject: Geography (NEW COURSE)
PAPER: IV (Climatology & Oceanography)

TIME ALLOWED: 3 hrs.
MAX. MARKS: 80

Attempt any FOUR questions taking THREE questions from Section-A and only ONE question from Section-B. All questions carry equal marks.

Sr. No of Question	Questions <u>Section-A</u>	Marks
1	Define Climatology and enlist its various branches. Also enumerate the effects of climate on everyday life of the people.	20
2	Describe various stages in the development of a Tropical <i>OR</i> Temperate Cyclone and underscore weather conditions associated with each stage.	20
3	Is there a climatic change taking place in the world? Describe the different theories which explain this phenomenon of a global scale.	20
4	Describe the global distribution of surface pressure system and associated planetary winds.	20
5	Enlist the various forms of precipitation and the circumstances under which snow came into being. OR Describe the structure of the Atmosphere by drawing a suitable diagram. Also discuss thermal variation in its various layers.	20
	<u>Section-B</u>	
6	What factors influence the movement, direction and nature of ocean currents? Also narrate the effects of ocean currents on the adjoining areas.	20
7	Write a comprehensive note on the physical features found on the ocean floors.	20



UNIVERSITY OF THE PUNJAB

Part-I A/2017
Examination:- M.A./M.Sc.

Roll No.

Subject: Geography (*NEW COURSE*)
PAPER: V (Quantitative & Research Methods)

TIME ALLOWED: 3 hrs.
MAX. MARKS: 80

NOTE: Attempt any FOUR questions. All questions carry equal marks.

1. Define the fields of Statistics and Geography and give a detailed account of their interrelation. 20
2. What is meant by Geographical data? Discuss the methods of obtaining the data and the associated problems. 20
3. What is the importance of research objectives in a research project? Discuss. 20
4. Calculate and Draw five years Moving Average Trend Line for the following data: 20

Year	Production of Wheat (Ton)	Year	Production of Wheat (Ton)
1951	50419	1959	50128
1952	49229	1960	54295
1953	45128	1961	56296
1954	40111	1962	65132
1955	41228	1963	76290
1956	50133	1964	60140
1957	52154	1965	49230
1958	55698	1966	61240

5. a. Differentiate between Regression and Correlation. 10
b. Calculate the Spearman's Rank Correlation for the following data: 10
x: Altitude (Meters)
y: Temperature (C)
(290,35),(221,18),(210,38),(110,42),(1590,20),(2600,14),(600,32),(650,28),
(1720,20),(1080,25),(2400,16),(170,40),(270,35),(2720,12)
6. What is the importance of Literature Review in Research? Discuss. 20
7. Write short note on any two of the following: 10+10
 - a. Tabulation
 - b. Time Series
 - c. The Ternary Diagram
 - d. Research Objectives