



UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – I Supply – 2020 & Annual – 2021

Roll No.

Subject: Geography (New Course)

Paper: I (Geography: Traditions & Concepts)

Time: 3 Hrs.

Marks: 80

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

- Q.1. Discuss the golden age of Muslim Geographers along with their contributions in the development of the subject.
- Q. 2. What is the Dark Age of Knowledge for Europeans? Discuss the impact of dark age on the development of Geography in Europe.
- Q.3. Why Humans migrate? Discuss factors affection the human migrations across the globe.
- Q.4. How statistical techniques helped the Geography subject to become a more empirical subject?
- Q. 5. Discuss the Organic State Theory put forward by Friedrich Ratzel.
- Q. 6. What Environmental Challenges do humans face today? Explain.
- Q.7. what is Demographic Transition? Discuss various stages in Demographic Transition.



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Subject: Geography (New Course)

Paper: II (Environmental Geography)

Roll No.

Time: 3 Hrs. Marks: 80

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

1. Define Environmental Geography and discuss its scope and applications.
2. Define the components of ecosystem and explain energy flow in it.
3. Enlist the energy resources and discuss in detail one Non-Renewable Energy resource.
4. Describe causes of degradation of soil and discuss its effects along with methods to conserve it.
5. Discuss the impact of rapid population growth on environment in urban areas of developing countries particularly Pakistan.
6. Discuss impact of Noise pollution on human health. Suggest measures to reduce noise pollution.
7. Write Short Note on Any TWO of the Followings:
 - I. Earth's Energy Budget
 - II. Nitrogen Cycle
 - III. Impact of Covid-19 on environment

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20



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

Roll No.

Time: 3 Hrs. . Marks: 80

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

Q1. Define Geomorphology and discuss the contribution of Muslim scholars in the development of Geomorphology. 20

Q2. What do you know about geomorphic processes? Explain the Exogenetic processes in detail. 20

Q3. Describe Plate Tectonic? Write a detailed note on the Continental Drift Theory. 20

Q4. Discuss the Geomorphic work of underground water in a Lime Stone region. 20

Q5. What do you know about Alpine Glaciers? Write a detailed note on the landforms produced by Glacial action. 20

Q6. Write a comprehensive note on the use of RS and GIS and its applications in the field of Geomorphology. 20

Q7. Write short notes on any Two of the followings: 10+10

a) Biological Weathering

b) Subsidence

c) Continental Drift Theory



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Subject: Geography (New Course)

Paper: IV (Climatology & Oceanography)

Roll No.

Time: 3 Hrs. Marks: 80

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

Section A

1	Write in detail the definition ,meaning and scope of climatology.	20
2	Discuss in detail the thermal structure of the atmosphere by drawing a suitable diagram.	20
3	Define clouds and write a note on cloud family according to height and appearance .Incorporate your answer with suitable diagram.	20
4	How does Precipitation form? Write in detail the processes that lead to rainfall formation.	20
5	What is atmospheric humidity? Identify various methods to measure humidity in the air. OR Identify the relationship between agricultural activities and climate regions of Pakistan.	20

Section B

6	In what ways are marine sediments classified? List the types of sediments and explain the origin of each.	20
7	What factors influence the movement, direction, and nature of ocean currents ? Also, narrate the effects of ocean currents on the adjoining areas.-	20



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Subject: Geography (New Course)

Paper: V (Quantitative & Research Methods)

Roll No.

Time: 3 Hrs. Marks: 80

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

Q1. Briefly discuss the methods of data collection and problems associated with each method. (20)

Q2. Describe the types of variables and scales of measurement of data. (20)

Q3. (a) Briefly describe the correlation techniques in Geography. (10)

(b) Find out the coefficient of correlation for the data given below: (08)

Altitude(m)	Rainfall (mm)	Altitude(m)	Rainfall (mm)
290	52	600	99
220	550	650	102
210	60	1650	125
110	20	900	105
1500	600	2400	580

(c) Interpret the intensity and type of correlation between the above variables. (02)

Q4. Briefly describe the types of research by giving examples. (20)

Q5. (a) Discuss in detail the major steps involved in the formation of a research plan. (10)

(b) Briefly describe the main parts of a research report. (10)

Q6. What is the importance of literature review and research objectives in a research project? (20)

Q7. Write a comprehensive note on any two of the following: (10 + 10 = 20)

(i) Tabulation

(ii) Stratified sampling

(iii) Regression

(iv) Coefficient of variation