



# UNIVERSITY OF THE PUNJAB

M.A./M.Sc. Part – I Annual Exam – 2019

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. European explorers completed the modern world map: Discuss

Q.2. Discuss the idea of Environmentalism in detail.

Q.3. What is the contribution of W.M Davis in Geography

Q.4. Suggest measures to control Population Growth in Pakistan.

Q.5. What are the major Push and Pull factors of urbanization ?

Q.6. Why Language is considered as one of the basic element of a culture?

Q.7. Modern man is the victim of Climate Change: elaborate?



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Subject: Geography (New Course)

Paper: II (Environmental Geography)

Time: 3 Hrs.

Marks: 80

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

1. Define Economic Geography and discuss its relationship with other fields of Geography.
2. Discuss Earth's Energy Budget in detail.
3. What is urban flooding? Describe measures to control urban flooding.
4. Define components of ecosystem and discuss energy flow in it.
5. Describe the salient features of Desert Biome.
6. Discuss the impacts of rapid population growth on environment in developing countries particularly Pakistan.
7. Write short note on any two of the following :
  - i. Deforestation
  - ii. Hydrologic Cycle
  - iii. Floods



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Subject: Geography (New Course)

Paper: III (Geomorphology)

Time: 3 Hrs.

Marks: 80

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

- Q1. Define Geomorphology and describe its scope with special reference to Pakistan 20
- Q2. What are various Models of Landform Development? Explain structural landforms in detail. 20
- Q3. What do you mean by geomorphic process? Enlist different types and discuss anyone of them in detail. 20
- Q4. Define major types of Glacier. Explain the characteristics of features produced by Alpine Glaciers. 20
- Q5. What do you mean by Remote Sensing? Write a detailed note on its role of in the field of Geomorphology. 20
- Q6. Discuss the Methods of Geomorphological Investigation in detail.
- Q7. Write short notes on any Two of the followings: 10+10
- a) Digital Terrain Modeling
  - b) Delta
  - c) Fluvial Cycle
  - d) Sand Dunes



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**M.A./M.Sc. Part – I Annual Exam – 2019**

Roll No. ....

Subject: Geography (New Course)

Paper: IV (Climatology & Oceanography)

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.**

1	How you will define the subject of Climatology? Discuss its scope and study methods.	20
2	Explain the horizontal and vertical distribution of temperature over the globe along with its impact on human activities.	20
3	How does Precipitation form? Write in detail the processes that lead to rainfall formation.	20
4	Give a concise account of heat budget along with a brief account of the greenhouse effect.	20
5	Describe the structure of atmosphere by drawing a suitable diagram. Also discuss thermal variation in its various layers.	20
<b><u>Section-B</u></b>		
6	Give a detailed classification of marine sedimentation and explain which factors control marine sedimentation.	20
7	How ocean waves are produced? Elaborate erosional and depositional features produced by waves.	20



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Roll No. ....

Subject: Geography (New Course)

Paper: V (Quantitative & Research Methods)

Time: 3 Hrs.

Marks: 80

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

- Q.1. What steps are involved in preparation of a research report? Discuss 20
- Q.2. What are the various types of research? Write a note on Qualitative and Quantitative Research with examples. 20
- Q.3. Describe the nature of Geographical data and measurement scales. 20
- Q.4. a) What are the various types of average? Discuss any two with merits and demerits. 10
- b) Construct a frequency distribution table showing the daily income as (100-199) (200-299) and so on, and the corresponding number of shopkeepers As 23,46,78,98,100,76,50. Calculate Arithmetic Mean. 10

P.T.O.

Q.5. a) Discuss simple linear regression and regression coefficient. 10

b) Draw a regression line by Least Square Method for the data given below. 10

Altitude (m) X	Rainfall (mm) Y	Altitude (m) X	Rainfall (mm) Y
110	54	543	98
132	61	580	127
140	54	654	145
120	80	800	78

Q.6. a) Describe Principle of Least Square. 08

b) Calculate Spearman's Rank Correlation Coefficient from the data given in Q.5. 12

Q.7. Write a note on TWO of the following. 10+10

- a) The Ternary Diagram
- b) Importance of Literature Review
- c) Independent and Dependent Variables
- d) Arithmetic Mean