

DHANAMANJURI UNIVERSITY

MA FOURTH SEMESTER

2021

(June)

GEOGRAPHY

GEG - 614

RESEARCH METHODOLOGY

Full Mark: 40

The figures in the margin indicate full marks for the questions.

1. Write an essay on the general characteristics of research. **10**

OR

Define research problem. Discuss briefly the criteria for selecting a research problem. **10**

2. Briefly discuss the importance of review of literature. **10**

OR

Define hypothesis testing. Discuss the importance and kinds of hypothesis testing. **10**

3. Discuss in detail the steps to choose a research strategy. **10**

OR

Define data collection. Examine the different tools of data collection in your own words. **10**

4. Write an essay on sampling. **10**

OR

Examine the methods of sampling and processes of determining a sampling size. **10**

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GEG - 615

POLITICAL GEOGRAPHY

Full Mark: 40

The figures in the margin indicate full marks for the questions.

*Answer any **four (4)** of the following questions:*

1. Define 'political geography' and explain its historical development. **10**
2. Explain the morphological classification of boundaries. Distinguish between frontiers and boundaries. **10**
3. Explain Mackinder's Heartland Theory and global geostrategic views. **10**
- 4.
5. The Indian Ocean still holds significant geopolitical importance.' Discuss. **10**
6. Discuss the international boundaries of India and related issues. **10**
7. Write notes on **any two**: **5+5 = 10**
 - (a) Functional classification of boundaries.
 - (b) Problems of border states in India.
 - (c) Rimland theory

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GEOGRAPHY

GEG - 631

FLUVIAL GEOMORPHOLOGY

Full Mark: 40

The figures in the margin indicate full marks for the questions.

*Answer any **four (4)** of the following questions:*

1. Explain Horton's law of drainage composition. Distinguish between overland flow and through flow. **10**
2. Describe regimes of flow. Explain downstream hydraulic geometry. **10**
3. Classify channel reach morphology and explain any two of them. **10**
4. Describe fluvial erosional landforms. **10**
5. Differentiate between suspended load and bed load. Discuss modes of sediment transport. **10**
6. Write notes on any two. **5+5=10**
 - (a) Concept of grade.
 - (b) Bed rock channel
 - (c) At-a-station hydraulic geometry

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GEOGRAPHY

GEG - 632
SYNOPTIC CLIMATOLOGY

Full Mark: 40

The figures in the margin indicate full marks for the questions.

1. Describe the processes of weather analysis and observation. **10**

OR

How does Indian Meteorological Services help the masses of India?
Explain with example. **10**
2. Differentiate between weather and climate. Analyse them with giving suitable example. **10**

OR

Write a note on the impacts of tropical cyclones. **10**
3. Describe the main features of a temperate cyclone. **10**

OR

Give a vivid account of the "front". **10**
4. Examine critically your local weather. **10**

OR

What do you mean by heat and cold waves? Assess their influences on human beings. **10**

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GEOGRAPHY

GEG - 633

WATERSHED MANAGEMENT & PLANNING

Full Mark: 40

*Answer any **four (4)** of the following questions.*

4×10 = 40

1. Give a detailed explanation on 'watershed as a dynamic unit'.
2. Explain the concepts of precipitation, evaporation, surface runoff and groundwater flow as hydrological processes in a watershed.
3. Explain in detail the importance of watershed development and management.
4. Discuss the role of check dams, ponds and percolation tanks in rainwater harvesting.
5. Discuss the role of agro-forestry in watershed management.
6. Bring out the importance of people's participation in the preparation of action plan and management activities of a watershed.
