

SALTORA NETAJI CENTENARY COLLEGE

SEMESTER: III

SUBJECT – GEOGRAPHY (HONOURS)

COURSE TITLE - STATISTICAL METHODS IN GEOGRAPHY

DEPARTMENTAL MOCK TEST

Course Code: SHGEO/303/C-7

Full Marks: 40

Time: 3 Hours

DATE: 20/01/2024

All Questions are Compulsory.

1. Define **Sampling**. Explain the Difference between **Multistage sampling and Multiphase sampling**. Elaborate the relation among Mean, Median and Mode.

Calculate the **Standard Deviation** of Household size from the following frequency distribution of 450 Households.

Household Size	6	4	3	7	5	2	10	9
No. of Household	90	38	57	62	85	46	25	47

1+2+2+5=10

2. Seven contestants participated in a beauty pageant and they were judge on the several parameters. In order to make the results bias-free to the possible extent, the contestants were judged by the two different judges. The aggregated ranks derived from the said several parameters are given in the following table. Established the conformity among the ranks assigned by both the judges by using the rank difference correlation. Does significant correlation exist between the ranks of both the judges, by considering the following table. ($P_{0.05}=2.51$ with df 5)

Contestants	1	2	3	4	5	6	7
Judge- A	1	3	2	4	5	6	7
Judge- B	2	1	4	3	5	7	6

Write a short note about **Outlier & Spurious Correlation** in Statistics.

8+1+1=10

3. In a field survey study, prima facie, it is found that there exists a significant age difference between the age of Husband and Wife. Does significant age difference exist between the age of said, by considering the following table. (P0.05=2.31 with df 8)

Age of Husband (in years)	44	46	46	48	52	54	54	56	60	60
Age of Wife (in years)	36	40	42	40	44	44	46	48	50	52

What is **Type I** and **Type II error of Hypothesis**? What do you mean by the term **Level of Significance**?

$$7+2+1=10$$

4. Viva-voce.

- Differentiate between Mean Deviation and Standard Deviation.
- Write down two uses of Coefficient of Variation.
- What is the difference between KARL PEARSONS PRODUCT MOMENT and CHARLES SPEARMANS RANK CORRELATION COEFFICIENT.
- What are the importance of RESIDUAL MAPS?
- Mention two assumption of **T Test**.

$$2+2+2+2+2=10$$

SALTORA NETAJI CENTENARY COLLEGE
SEMESTER: I
SUBJECT – GEOGRAPHY (HONOURS)
COURSE CODE - S/GEO /101/MJC-1T
Fundamentals of Physical Geography
Unit 2 & Unit 3

DEPARTMENTAL MOCK TEST
Full Marks: 40 Time: 2 Hours
DATE: 02/02/2024

A. Answer any five questions. (5x2= 10)

1. What are the characteristics of the weathering process?
2. Define mass wasting.
3. What is the ecosystem?
4. What is the difference between mesa and butte?
5. Explain base Level of Erosion?
6. Define ecotone.
7. What is the concept of Peneplanation?

B. Answer any 5 questions. (5x4 = 20)

1. Write a short note on energy flow in the ecosystem.
2. What are the basic differences between the landform evolution model given by Devis and Penck?
3. Explain the origin of zeugen with appropriate diagram.
4. What are the primary factors responsible for soil formation? Q
5. Explain different types of moraine with suitable diagrams.
6. Define trophic level. What do you mean by inverted pyramid of numbers?
7. Explain the development of the river network on uniclinal strata.

C. Answer any one question. (10)

1. Write a short note on the origin and profile characteristics of Podzol soil.
2. Classify biome and write down the salient features of any one type of Biome.
3. Explain the Surface landforms associated with the Karst environment. Provide suitable examples and diagrams.

SALTORA NETAJI CENTENARY COLLEGE

SEMESTER: I

SUBJECT – GEOGRAPHY (HONOURS)

COURSE CODE - S/GEO /101/MJC-1T

Fundamentals of Physical Geography

Unit 1: Earth: Origin and Tectonic Processes

DEPARTMENTAL MOCK TEST

Full Marks: 40

Time: 2 Hours

DATE: 27/01/2024

A. Answer any five questions. (5x2= 10)

1. What are the characteristics of P- wave?
2. Define plate.
3. What is the lithosphere?
4. What is the level of compensation?
5. Explain Triple Junction?
6. Define isostasy.

B. Answer any 5 questions. (5x4 = 20)

1. Write a short note on Nebular Hypothesis of Laplace.
2. What is the basic difference between the isostasy model of Airy and Pratt?
3. Classify plates.
4. How are seismic waves helpful to understand the interior of the earth?
5. Elaborate the basic idea of Big Bang theory.
6. How can mountain building be explained through plate tectonics?

C. Answer any one question. (10)

1. Write down the evidences Wegener put forward to establish continental drifting.
2. Explain the concept of sea floor spreading.

SALTORA NETAJI CENTENARY COLLEGE

SEMESTER: V

SUBJECT – GEOGRAPHY (HONOURS)

COURSE TITLE - EVOLUTION OF GEOGRAPHICAL THOUGHT

DEPARTMENTAL MOCK TEST

Full Marks: 40

Time: 2 Hours

DATE: 10/01/2024

1. Answer any **Five** questions.

2*5 = 10

- a) Describe the concept of Landscape following Sauer.
- b) What do you mean by Social Darwinism?
- c) Define Human Ecology.
- d) What is the role of Location analysis in defining quantitative analysis in Geography?
- e) Assess the significance of idiographic approach in Geography.
- f) Distinguish between inductive and deductive approaches in Geography.
- g) What is Stop and Go determinism?

2. Answer any **Five** Questions.

4*5 = 20

- a) Describe the contribution of Greek philosophers in Geography.
- b) Discuss the dichotomy between determinism and possibilism.
- c) Briefly discuss the application of positivism in the study of geography.
- d) Describe the importance of quantitative revolution in geography.
- e) Bring out the significance of systematic Geography in changing the outlook of classical Geography.
- f) What do you mean by Empiricism? Write down the history in the development of the concept Neo-determinism.
- g) Mention the Geographical ideas of Ratzel.

3. Answer any **one** question.

10*1 = 10

- a) Explain the nature of man-environment relations concerning different schools of geographical thought.
- b) Examine the significance of Empiricism and positivism in emergence of scientific explanation in Geography.
- c) What are the key differences between the systematic and regional approaches in geographic study, and how do these approaches contribute to our understanding of geographical phenomena?

SALTORA NETAJI CENTENARY COLLEGE

SEMESTER: V

SUBJECT – GEOGRAPHY (HONOURS)

COURSE CODE - SHGEO/504/DSE-1

HYDROLOGY AND OCEANOGRAPHY

DEPARTMENTAL MOCK TEST

Full Marks: 40

Time: 2 Hours

DATE: 25/01/2024

A. Answer any Five questions. $2 \times 5 = 10$

1. Define evapotranspiration.
2. What is a Watershed?
3. What is the source of groundwater?
4. What is T-S diagram?
5. Define continental slope.
6. Write a short note on coral bleaching.
7. What do you mean by sea level change?

B. Answer any five questions. (5×4)

1. Is the tide one kind of wave? Justify your answer.
2. Write a short note on physical properties of ocean water.
3. Write down the controlling factors of groundwater recharge.
4. Briefly discuss the runoff cycle.
5. Write a short note on water harvesting.
6. Discuss the factors responsible for coral reef development.
7. Classify the Marine resources with suitable examples.

C. Answer any one question. 10

1. Explain the global hydrological Cycle with appropriate diagrams.
2. Discuss the origin of the major relief features of the ocean floor in the light of plate tectonics.
3. Write briefly the types of sea level change and mention the reasons for the sea level change.

SALTORA NETAJI CENTENARY COLLEGE

SEMESTER: V

SUBJECT – GEOGRAPHY (HONOURS)

COURSE CODE - SHGEO/504/DSE-1

HYDROLOGY AND OCEANOGRAPHY

DEPARTMENTAL MOCK TEST

Full Marks: 40

Time: 2 Hours

DATE: 25/01/2024

A. Answer any Five questions. $2 \times 5 = 10$

1. Define evapotranspiration.
2. What is a Watershed?
3. What is the source of groundwater?
4. What is T-S diagram?
5. Define continental slope.
6. Write a short note on coral bleaching.
7. What do you mean by sea level change?

B. Answer any five questions. (5×4)

1. Is the tide one kind of wave? Justify your answer.
2. Write a short note on physical properties of ocean water.
3. Write down the controlling factors of groundwater recharge.
4. Briefly discuss the runoff cycle.
5. Write a short note on water harvesting.
6. Discuss the factors responsible for coral reef development.
7. Classify the Marine resources with suitable examples.

C. Answer any one question. 10

1. Explain the global hydrological Cycle with appropriate diagrams.
2. Discuss the origin of the major relief features of the ocean floor in the light of plate tectonics.
3. Write briefly the types of sea level change and mention the reasons for the sea level change.

SALTORA NETAJI CENTENARY COLLEGE

SEMESTER: V

SUBJECT – GEOGRAPHY (HONOURS)

COURSE CODE - SHGEO/503/DSE-2

Cultural and Settlement Geography

DEPARTMENTAL MOCK TEST

Full Marks: 40

Time: 2 Hours

DATE: 17/01/2024

A. Answer any Five questions. $2 \times 5 = 10$

1. Define cultural hearth.
2. What do you mean by Cultural Realm?
3. Define race.
4. Give the census definition of rural settlement in India.
5. Mention the major census categories of urban settlements in India.
6. Define city region.
7. What do you mean by Conurbation?

B. Answer any Five Questions. $4 \times 5 = 20$

1. Write a brief note on cultural diffusion.
2. Explain in brief the relationship between culture, technology and development.
3. Explain how sight and situation affects rural settlement development.
4. Mention the measure factors controlling the rural house types in India.
5. Explain the functional classification of urban settlement put forwarded by Haris.
6. What is a metropolitan city? Mention the census category of urban settlements in India.
7. Write a short note on the major language groups of the world.

C. Answer any one question. $10 \times 1 = 10$

1. Write an essay on the scope and content of cultural Geography with special reference to its development over the years.
2. Write an essay on the nature and characteristics of social segregations in rural India.
3. Write down a comparative note on the various classical models of urban morphology.