

M.A. Examination- 2025
Semester- II
Geography
Course/Paper: VIII
Social & Cultural Geography

Time: 3 hours

Full Marks: 40

Questions are of values as indicated in the right hand side margin.
Attempt any three questions selecting one from each unit.

Unit- I
(Bases of Social Geography)

1. Discuss how the concepts of the 'Social' and the 'Spatial' gradually evolved with the different paradigm shifts in Geography. What do you understand by 'Social Structure'? 10+4=14
2. Critically discuss Pierre Bourdieu's contributions in theorizing social class. What do you understand by 'Class Consciousness'? 10+4=14

Unit - II
(Bases of Cultural Geography)

3. Define 'Culture'. Locate the major cultural hearths in a world map and explain the shifting of their importance with time. 5+8=13
4. Define 'Diffusion' and classify it with suitable examples. Critically distinguish between indigenous culture and popular culture. 8+5=13

Unit - III
(Contemporary Cultural Issues in Society)

5. What is understood by 'Subaltern Culture'? Highlight the guiding principles of 'Nehruvian Panchasheel' for administration of tribal affairs. Discuss the need and actions suggested to preserve and promote *Traditional Wisdom* and *Tribal Languages*. 3+4+6=13
6. What is 'Cultural Heritage'? How to safeguard 'Intangible Cultural Heritage'? Discuss the relevance of Rabindranath Tagore's philosophy on Indian Education and highlight its implications in the National Education Policy (NEP) 2020. 3+3+7=13

Department of Geography
Visva-Bharati
M.A. Examinations 2025
Semester II
Paper – IX (Landscape and Human Ecology)

Time: 3 Hours

Full Marks: 40

Attempt ONE question from each Unit. Figures on the right-hand side are marks.

UNIT I – Concepts, Approaches and Theories in Landscape Ecology

1. What is 'landscape'? What are the areas of research in Landscape Ecology? Write a short note on the Percolation Theory in Landscape Ecology. 2+7+5=14
2. Classify 'scale' in Landscape Ecology. Discuss the methodological approaches to the study of landscape metrics. 6+8=14

UNIT II – Process and Principles of Landscape Dynamics

3. What are the different types of soil structure, and how do soil structures affect soil permeability? How does soil organic matter affect other properties of the soil? 8+5=13
4. Elaborate on the principles of land evaluation. What are the USDA land capability classes and sub-classes? How far is the USDA land capability classification applicable to the Indian conditions? 5+3+5=13

UNIT III – Basics and Emerging Dimensions of Human Ecology

5. What do you mean by human trophic levels? Elaborate their significance in the study of human ecosystem. 3+10=13
6. Mention some of the prominent ecological issues of the contemporary world and comment on any one ecological issue in detail. 3+10=13

MA Examination 2025
Semester II
Cartographic Techniques
Geography- Practical
Paper XI

Time: 4 hrs

Full Marks: 40

Attempt all Questions

- ✓ 1. Prepare the format of a master table on the basis of a hypothetical questionnaire on a topic of your own choice. 4+4=8
2. Study the given geological map (Map-1) and attempt the following: 5+3=8
a. Drawing a geological section along the line PQ
b. Interpret geological details
3. How location quotient can be used in settlement analysis? Analyse settlement pattern of the given region (Map-2). Interpret the result. 3+5=8
- ✓ 4. In an aptitude test the mean score was 425 and SD is 25. Based on this information what percentage of students would score between 360 to ~~540~~⁴⁹⁰. Plot the values on normal distribution curve and interpret the result. 6+2=8
5. Laboratory Notebook and viva voce 4+4=8

Department of Geography

Visva Bharati

MA Examination 2025

Semester II

Paper-X (Geographical Thought)

Time: 3 Hours

Full Marks: 40

*Questions are of values as indicated in the margin
Attempt any three questions selecting one from each unit*

Unit-1

Nature and Explanation in Geography

- 1/ Highlight the major changes of geographical studies in 1950s and 1960s. Make a review on *Explanations in Geography* written by David Harvey. 6+8=14
2. Explain the terms '*Hypothesis*', and '*Theory*'. Briefly discuss the major paradigms in Geography. 3+3+8=14

Unit-2

Dualism in Geography

3. Discuss the dichotomy between *Systematic* and *Regional* approaches. Mention why a balance is required between the two approaches in geographical studies with examples. 8+5=13
4. Bring out the distinctive features of *Determinism* and *Possibilism*. Name some of the prominent scholars of Determinism and Possibilism. 10+3=13

Unit-3

Development in Geography

- 5/ Give an outline on the concept of *Positivism*. Critically explain the concept of *Behaviouralism in Geography*. 5+8=13
6. What is meant by *Radical Geography*? Elaborate different approaches of *Humanistic Geography*. 4+9=13

M.A. Examination, 2025
Semester II
Geography
Paper: VII
(Population Geography and Settlement Geography)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.
Attempt any three questions selecting one from each unit.

Unit- 1

(Basics of Population Geography)

1. Define Population Geography. Elaborate the nature and development of Population Geography as a sub-discipline of Geography. 2+12=14
2. Explain the different types of migration. Elaborate on the present global scenario of international migration considering a gender lens. 6+8=14

Unit- 2

(Population and Society)

3. Define malnutrition. What do you understand by food insecurity? What is the state-wise scenario of India on SDG-2 (Zero hunger) as per 2023-24 SDG score? 2+4+7=13
4. What do you understand by fertility influencing policies? Elaborate on the changing fertility influencing policies of China. 6+7=13

Unit- 3

(Basics of Settlement Geography)

5. Define Settlement Geography. Critically explain Rank Size Rule and assess its applicability in India. 3+10=13
6. Describe types, patterns, and morphology of rural settlements. 3+5+5= 13

Department of Geography, Visva-Bharati
M.A. Semester-II Examination 2025
Paper: XII
Applied Statistical Techniques in Geography
(Practical)

Time: 4 Hours

All questions are compulsory

Full Marks: 40

1. The marks obtained in the internal assessment test by a class of 59 students have been given below.

Marks	No. of students (f)
12-14	3
14-16	4
16-18	36
18-20	16
	$\Sigma f = 59$

- a. What is the average score obtained by class? (3)
- b. Using suitable statistical technique, comment on the performance of the students in the test. (5)

2. Define sampling. Elaborate any one probability and one non-probability sampling techniques with suitable examples. (2+6 = 8)

3. You are part of an interdisciplinary research group investigating whether there is an association between land use type and air quality status across different monitoring stations in a region. Data were collected from 500 monitoring stations, with complete records for 488 stations. The data are summarized in the table below: (8)

Land Use Type	Good AQ	Moderate AQ	Poor AQ
Urban	30	70	50
Suburban	40	60	20
Agricultural	55	25	10
Forested	90	25	13

Conclude whether air quality status is independent of land use type at a 5% level of significance from the given table.

Department of Geography, Visva-Bharati
M.A. Semester-II Examination 2025
Paper: XII
Applied Statistical Techniques in Geography
(Practical)

df	$\chi^2_{.999}$	$\chi^2_{.990}$	$\chi^2_{.975}$	$\chi^2_{.950}$	$\chi^2_{.900}$	$\chi^2_{.800}$	$\chi^2_{.750}$	$\chi^2_{.705}$	$\chi^2_{.600}$	$\chi^2_{.500}$
1	0.000	0.000	0.001	0.004	0.010	2.706	3.841	5.024	6.635	7.879
2	0.010	0.020	0.051	0.103	0.211	4.605	5.991	7.378	9.210	10.597
3	0.072	0.115	0.216	0.352	0.584	6.251	7.815	9.348	11.345	12.838
4	0.207	0.297	0.484	0.711	1.064	7.779	9.488	11.143	13.277	14.860
5	0.412	0.554	0.831	1.145	1.610	9.236	11.070	12.833	15.086	16.750
6	0.676	0.872	1.237	1.635	2.201	10.645	12.592	14.449	16.812	18.548
7	0.989	1.239	1.690	2.167	2.833	12.017	14.067	16.013	18.475	20.278
8	1.344	1.646	2.180	2.733	3.490	13.362	15.507	17.535	20.090	21.955
9	1.735	2.088	2.700	3.325	4.168	14.684	16.919	19.023	21.666	23.589
10	2.156	2.558	3.247	3.940	4.865	15.987	18.307	20.483	23.209	25.188

4. Following is the data on wheat yields (in units) for three soil types: (8)

Sandy soil	Clay soil	Loamy soil
18	21	21
20	23	17
16	14	24
21	24	23

Test the significance if there is any difference between the wheat yields on three different soil types.

F ratio is 4.26 at 5% level of significance

5. Viva-voce & Laboratory Notebook

4 + 4 = 8