LORETO COLLEGE
SEMESTER THREE GEOGRAPHY HONOURS
TIME PLAN 2023

Name of the teacher: Dr. Sushma Sahai
Initials: SWS

Teaching Objective:
- To help students understand the origin, nature and composition of the atmosphere
- Analyse the factors influencing insolation
- Assess and evaluate the factors of climate change
- To prepare students for higher education
- To provide guidance beyond prescribed syllabus

Semester Three Geography Honours Topic-wise Time Plan
COURSE: 2.9 GEO-A-CC-3-05-TH – CLIMATOLOGY (THEORY)

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
1. **Unit I: Elements of the Atmosphere**	4	1. Nature, composition and layering of the atmosphere	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Understand the origin and layers of the atmosphere	• Tutorials • Home assignments
2	6	2. Insolation: Controlling factors. Heat budget of the atmosphere	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Comprehend the factors influencing insolation	• Tutorials • Quiz
3	6	3. Temperature: horizontal and vertical distribution. Inversion of temperature: types,	• Lecture method	• Differentiate between horizontal and vertical	• Tutorials • Home assignments

		causes and consequences	• Stimulus Response Method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	distribution of temperature	
4	4	4. Overview of climate change: Greenhouse effect. Formation, depletion, and significance of the ozone layer	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Understand the mechanism of Greenhouse effect • Comprehend and analyse the depletion of the Ozone layer	• Crossword • Book Review
Unit II: Atmospheric Phenomena & Climatic Classification	5	10. Atmospheric disturbances: Tropical & mid-latitude cyclones, thunderstorms	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Understand the origin, types and consequences of atmospheric disturbances	• Tutorials • Home assignments •
2	5	12. Climatic classification after Thornthwaite & Oliver	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Understand the significance of climatic classification • Differentiate between Thornthwaite & Oliver's classifications	• Tutorials • Presentations

LORETO COLLEGE
SEMESTER THREE GEOGRAPHY HONOURS
TIME PLAN 2023

Name of the teacher: Dr. Sushma Sahai
Initials: SWS

Teaching Objective:
- To enable students to interpret Weather Maps
- Impart the skill to identify the Weather maps of different seasons
- To prepare students for higher education
- To provide guidance beyond prescribed syllabus

3rd Semester Geography Honours Topic-wise Time Plan
COURSE: 2.10 GEO-A-CC-3-05-P – CLIMATOLOGY LAB (PRACTICAL)

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
1.	20	2. Interpretation of a daily weather map of India (any two): Pre-Monsoon, Monsoon and Post-Monsoon	• Lecture method • Stimulus Response Method • Discussion/ Interactive method	• Comprehend and assess the climatic parameters provided in weather maps • Skilled to apply the above knowledge to identify weather maps of different seasons	• Tutorials • Home assignments • Viva Voce

LORETO COLLEGE
SEMESTER THREE GEOGRAPHY HONOURS
TIME PLAN 2023

Name of the teacher: Dr. Sushma Sahai
Initials: SWS

Teaching Objective:
- To help students understand the origin and nature of the ocean floor
- Analyse the physical and chemical properties of ocean water
- Provide an in depth knowledge of formation of waves and tides
- To enable students to comprehend various Water masses
- Assess the oceans as a storehouse of resources
- Analyse the formation and threats faced by coral reefs
- Assess and evaluate the factors of sea level change
- To prepare students for higher education
- To provide guidance beyond prescribed syllabus

3rd Semester Geography Honours Topic-wise Time Plan
COURSE: 2.11 GEO-A-CC-3-06-TH – UNIT-II: OCEANOGRAPHY (THEORY)

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
1.	6	5. Major relief features of the ocean floor: Characteristics and origin according to plate tectonics	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Understand the origin and characteristics of the ocean floor	• Tutorials • Paper presentations
2	4	6. Physical and chemical properties of ocean water	• Lecture method • Stimulus Response Method • Discussion/ Interactive method • Visual aids	• Assess the physical and chemical properties of ocean water	• Tutorials • Home assignments
3	4	7. Water mass, T–S diagram	• Lecture method	• Differentiate between	• Tutorials

				• Stimulus Response Method • Discussion/ Interactive method • Visual aids	different Water masses • Comprehend the T-S diagram	
4	8	8. Air-Sea interactions, ocean circulation, wave and tide	• Lecture method • Discussion/ Interactive method • Visual aids	• Thorough understanding of the factors generating waves • Differentiate between different types of tides	• Crossword • Tutorials
5	4	9. Ocean temperature and salinity: Distribution and determinants	• Lecture method • Discussion/ Interactive method • Visual aids	• Gain knowledge of the characteristics of temperature and salinity of oceans	• Quiz
6	5	10. Coral reefs: Formation, classification and threats	• Lecture method • Discussion/ Interactive method • Visual aids	• Analyse the factors governing the formation of coral reefs • Assess the threats faced by Coral reefs	• Tutorials
7	4	11. Marine resources: Classification and sustainable utilisation	• Lecture method • Discussion/ Interactive method • Visual aids	• Assess the resource potential of oceans	• Quiz
8	5	12. Sea level change: Types and causes	• Lecture method • Discussion/ Interactive method • Visual aids	• Analyse the reasons of sea level change	• Book review

LORETO COLLEGE
THIRD SEMESTER GEOGRAPHY HONOURS TIME PLAN
2023

Name of the teacher: Mrs Sabiha Sethwala

Initials: SS

Teaching Objectives:

- to help students to design data collection plans, analyze data, interpret, and draw conclusions
- to train students and help develop skills in tourism management, designing policies, tourism plans,
- to identify tourist resources and evaluate their potential

Semester III Topic-wise Time Plan

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
1 CC 7 TH 2.13	29	UNIT I 1. significance of statistics 2. discrete data etc 3. sources of data 4. collection of data 5. sampling 6. frequency distribution, cumulative frequency normal and probability	• Lecture method • Project method • Problem solving method • Use of PPTs	• Able to distinguish between different types of data • Able to identify the features that describe a data distribution	• Class tests • MCQ /Objective • Worksheets • Home assignments • Exams
2. CC 7 PR 2.14	30	3. sampling problems 4. scatter diagram, linear regression, residual mapping	• Lecture method • Problem solving method • Use of PPTs	• Able to recognise common types of sampling design • To be able to identify the relationship for a bivariate data	• Class tests • MCQ /Objective • Worksheets • Home assignments • Exams
3.SEC 02 TOURISM MANAGE MENT	7	4. Increasing global tourism Tourism in India: Infrastructure planning for different budgets Case Study: Jaipur, Goa, Chilka , W. Himalayas	• Lecture method • Class discussion method • Project method • Use of PPTs	• Students develop skills to identify, manage and design strategies for tourist budgets	• Class tests • Project- case study • Home assignments • Exams

LORETO COLLEGE
TIME PLAN 2023 -2024

Name of the teacher: DEBASREE SINHA
Initials: D.S

Teaching Objective:
- Develop a strong and clear understanding of fundamental concepts.
- Enable application of those concepts to the explanation of geographical phenomena.
- Inculcate a genuine interest in the discipline.

3rd Semester Topic-wise Time Plan

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
1. HONS – Paper GEO-A-CC-3-05-TH – (Theory) Climatology, Unit II: Atmospheric Phenomena and Climatic Classification	40	**5.** Condensation: Process and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation **6.** Air mass: Typology, origin, characteristics and modification **7.** Fronts: Warm and cold, frontogenesis, and frontolysis **8.** Weather: Stability and instability, barotropic and baroclinic conditions **9.** Circulation in the atmosphere: Planetary winds, jet streams, index cycle **11.** Monsoon circulation and mechanism with reference to India	1. Lecture 2. Power point presentation	Students s will be able to: 1. Conceptualize key atmospheric processes 2. Understand global atmospheric circulations 3. Establish linkages between changes in the atmospheric processes & their impact on Earth's weather & climate. 4. Have a comprehensive grasp of the Indian monsoon	1. Written class test

2. HONS – Paper GEO-A-CC-3-06-TH – (Theory) Hydrology and Oceanography, Unit I: Hydrology	5	3. Drainage basin as a hydrological unit. Principles of water harvesting and watershed management	1. Lecture 2. Power point presentation	1. Perceive the importance of watershed management in conserving water resources.	1. Written class test
3. HONS – Paper GEO-A-CC-3-07-TH – (Theory) Statistical Methods in Geography, Unit II: Numerical Data Analysis	32	**7.** Central tendency: Mean, median, mode, and partition values **8.** Measures of dispersion range, mean deviation, standard deviation, and coefficient of variation **9.** Association and correlation: Product moment correlation and rank correlation, **10.** Regression: Linear and non-linear **11.** Time series analysis: Moving average **12.** Hypothesis testing: Chi-square test and T-test	1. Lecture & Demonstration (of exercises in class) 2. Power point presentation	Students will be able to: 1. Perceive the importance of statistical techniques in Geography 2. Understand the utility, relevance & application of different statistical methods in geographical research	1. Written class test
3. HONS – Paper GEO-A-CC-3-07-P – (Practical) Statistical Methods in Geography	30	**1.** Construction of data matrix with each row representing an areal unit (districts / blocks / *mouzas* / towns) and corresponding columns of relevant attributes **2.** Based on the above, a frequency table, measures of central tendency, and dispersion would be computed and interpreted using histogram and frequency curve	1. Demonstration of exercises on statistical methods	Students will be able to: 1. Choose suitable & relevant statistical methods; & apply them in research 2. Draw inferences & make generalizations from analyses of data	1. Solution of statistical exercises as part of both class & home assignment

4. HONS – Paper GEO-A-SEC-A-3-02-TH – Tourism Management (Theory),	10	**1.** Scope and Nature: Concepts and issues, tourism, recreation and leisure inter-relations; Factors influencing tourism, Types of Tourism: Ecotourism, cultural tourism, adventure tourism, medical tourism, pilgrimage, international, national **3.** Tourism impact assessment, Sustainable tourism, Information Technology and Tourism, Tour operations planning and guiding	1. Lecture 2. Power point presentation	Students will be able to: 1. Appreciate the importance of tourism in a modern economy 2. Understand the interrelationship among tourism, recreation and leisure 3. Assess the impact of tourism and identify the importance of sustainable tourism.	1. Written class test

LORETO COLLEGE
TIME PLAN 2023

Name of the teacher: Sharmila Ray Kumam
Initials: SRK

Teaching Objective:
- Understanding the role of the different aspects of hydrology for the perpetuation of this natural phenomena for the smooth functioning of the hydrological cycle.
- The skill enhancement course on Tourism management is to provide some basic foundations for this area of study which may assist future career prospects.

3rd Semester Topic-wise Time Plan

Topics	Hours allotted	Topics (as per curriculum)	Teaching method	Learning outcome (output)	Assessment
GEO-A-CC-3-06-Th Hydrology 2	6	Run off: control factors, infiltration evapotranspiration, run-off cycle	Lecture explanations and videos	Acquire an under-standing of how the hydrological cycle operates	Q&A
	6	Groundwater: occurrence & storage Factors controlling recharge, discharge, movement	Lecture and Videos	Enable the learning of the role and significance of ground-water	Q&A
GEO-A-SEC—3-02-TH Tourism Management	8	Use of information on factors Historical, Natural, Socio-Cultural, Economic, pilgrimage To plan destination marketing Tourism Products Niche tourism planning	Lectures Videos	Develop an interest in a skill enhancement course where there may be career possibilities.	Presentations