LORETO COLLEGE
Semester One Geography Honours
TIME PLAN 2022

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

Teaching Objective:

- To impart comprehensive knowledge of the various cartographic techniques
- Analyse the properties of different cartograms
- To prepare students for higher education
- To provide guidance beyond prescribed syllabus

Semester One Geography Honours Topic-wise Time Plan
COURSE: 2.3 GEO-A-CC-1-02-TH – CARTOGRAPHIC TECHNIQUES (THEORY)

Topics	*Hours allotted*	*Topics (as per curriculum)*	*Teaching method*	*Learning outcome (output)*	*Assessment*
1	5	10. Representation of data using dots and proportional circle	• Lecture method • Stimulus-Response method • Discussion/ Interactive method	Understand the concept and significance of dots and proportional circles	• Tutorials • Home assignments
2	5	11. Representation of data using isopleth and choropleth	• Lecture method • Stimulus-Response method • Discussion/ Interactive method	Gain knowledge of the nature, importance and application of isopleth and choropleth	• Tutorials • Home assignments

LORETO COLLEGE
Semester One Geography Honours
TIME PLAN 2022

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

Teaching Objective:

- Develop the skill of representing data with the help of cartograms
- To prepare students for higher education
- To provide guidance beyond prescribed syllabus

Semester One Geography Honours Topic-wise Time Plan
COURSE: 2.4 GEO-A-CC-1-02-P – CARTOGRAPHIC TECHNIQUES LAB (PRACTICAL)

Topics	***Hours allotted***	***Topics (as per curriculum)***	***Teaching method***	***Learning outcome (output)***	***Assessment***
1	12	3.Thematicmaps:Proportional squares, pie diagrams with proportional circles, dots and spheres	• Lecture method • Stimulus-Response method • Discussion/ Interactive method	• Developed skills to plot the cartograms • Acquired the knowledge of selecting the appropriate cartogram based on the data provided	• Tutorials-Solve past question papers • Viva Voce
2	12	4.Thematic maps: Choropleth, isopleth, and chorochromatic maps	• Lecture method • Stimulus-Response method • Discussion/ Interactive method	• Developed skills to plot the cartograms • Acquired the knowledge of selecting the appropriate cartogram based on the data provided	• Tutorials-Solve past question papers • Viva Voce

LORETO COLLEGE
SEMESTER ONE GEOGRAPHY GENERAL TIME PLAN
2022-2023

Name of the teacher: Mrs. Sabiha Sethwala
Initials: S.S

Teaching Objective:

- To provide an overview of different landform forming processes
- To help the student relate the theoretical knowledge to field work
- To build core concepts

Semester I Topic-wise Time Plan

Topics	***Hours allotted***	***Topics (as per curriculum)***	***Teaching method***	***Learning outcome (output)***	***Assessment***
1. CC-1 Unit -I Geotectonics	16	1. Earth's interior 2. Plate tectonics 3. Folds and fault			
2 CC-2 Cartographic Techniques	20	1. Maps: components and classification. 2. Scales: Linear, comparative, diagonal 3. Coordinate systems: polar and rectangular 4. concept of generating globe 8. Map projections: classification, properties and uses 9. concept and significance- UTM projection	• Lecture method • Demonstration method • Problem solving • Use of PPTs	• Students will have a better understanding of different types of maps, their uses and how they are drawn.	• Class tests • MCQ /Objective • Worksheets • Home assignments • Exams
3. CC- 2 Practical Cartographic Techniques		1.Construction of scales 2.Construction of Projections	• Demonstration method • Problem solving method	• Learn to construct scales, • Learn to construct graticules on different map projections	• Class tests • Home assignments • Exams

LORETO COLLEGE
GEOGRAPHY TIME PLAN
2022-2023

Name of the teacher: Kaustuva Banerjee
Initials: KB

Teaching Objective:

- Understand the Coordinate system
- Assess the difference between whole circle bearing and reduced bearing
- Evaluate the available information in a topographical map

Geography Semester I (Honours) Topic-wise Time Plan

Topics	*Hours allotted*	*Topics (as per curriculum)*	*Teaching method*	*Learning outcome (output)*	*Assessment*
1. GEO-A-CC-1-02-TH Cartographic Techniques	22	Bearing: Magnetic and true, whole-circle and reduced Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps	Demonstration Method Lecture Method Stimulus Response Method	1.Comprehend the importance of Coordinate system 2.Analyze the different types of bearings 3.Differentiate between the old and open series topographical maps	Continuous Internal Assessment Formative Assessment

LORETO COLLEGE
TIME PLAN 2022-2023

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

Teaching Objective:

- Provide an understanding of processes responsible for landform development on Earth.
- Establish the significance of the hydrological cycle and its impact on life and water resources.
- Enable students to identify relief and drainage features on a topographical map.

1st Semester Topic-wise Time Plan

Topics	*Hours allotted*	*Topics (as per curriculum)*	*Teaching method*	*Learning outcome (output)*	*Assessment*
1. HONS – Paper GEO-A-CC-1-01-TH – (Theory) Geotectonics and Geomorphology, Unit I: Geotectonics & Unit II: Geomorphology	33	**1.** Earth's tectonic and structural evolution with reference to geological time scale **2.** Earth's interior with special reference to seismology. Isostasy: Models of Airy, Pratt, and their applicability **3.** Plate Tectonics as a unified theory of global tectonics: Processes and landforms at plate margins and hotspots **6.** Processes of entrainment, transportation, and deposition by different geomorphic agents. Role of humans in landform development **8.** Development of river network and	1. Lecture 2. Power point presentation	Students will be able to: 1. Explain the existence of the large variety of landforms on the Earth. 2. Account for the processes responsible for landform development. 3. Identify processes & landforms on field.	1. Written class test

		landforms on limestones **9.** Coastal processes and landforms **10.** Glacial and glacio-fluvial processes and landforms **11.** Aeolian and fluvio-aeolian processes and landforms			
2. GEN – Paper GEO-G-CC-1-01-TH – (Theory) Physical Geography Unit III: Hydrology	15	7. Global hydrological cycle: Its physical and biological role 8. Run off: Controlling factors. Concept of ecological flow 9. Drainage basin as a hydrological unit. Principles of watershed management	1. Lecture 2. Power point presentation	Students will be able to: 1. Understand the significance of hydrological cycle. 2. Identify drainage basin parameters. 3. Perceive the importance of watershed management in conserving water resources.	1. Written class test
2. GEN – Paper GEO-G-CC-1-01-P – (Practical) Physical Geography	40	**3.** Extraction of physiographic information from Survey of India 1:50k topographical maps of plateau region: Construction and interpretation of relief profiles (superimposed, projected and composite), Construction and interpretation of relative relief map (c. 5'×5')	1. Demonstration (of extraction of physiographic and information from topographical map) 2. Relief and drainage feature identification	Students will be able to: 1. Interpret relief & drainage; & extract these parameters from SOI topographical maps.	1. Extraction of features and information from maps given in class

		4. Extraction of drainage information from Survey of India topographical maps of plateau region: Extraction and interpretation of channel features and drainage patterns, Construction of channel profiles			

LORETO COLLEGE
TIME PLAN 2022

Name of the teacher: Sharmila Ray Kumam
Initials: SRK

Teaching Objective:

- Understanding and analyzing the composition and character of physical landscape

1st Semester Honours Topic-wise Time Plan

Topics	*Hours allotted*	*Topics (as per curriculum)*	*Teaching method*	*Learning outcome (output)*	*Assessment*
1 Megascopic identification of mineral samples	7	Megascopic identification of mineral samples	Examining the mineral samples and observing its characteristics	Ability to identify mineral samples on field and understand its impact on rock formation	Practical tests on identification of mineral samples
2 Megascopic identification of rock samples	8	Megascopic identification of rock samples	Examining the rock samples and observing its characteristics	Ability to identify rock samples on field and understand its impact on landscape formation	Practical tests on identification of rock samples
3 Extraction and interpretation of geomorphic information from Survey of India Topographical map	30	Extraction and interpretation of geomorphic information from Survey of India Topographical map (Plateau region)	Practical hands-on work with the maps to extract information based on definite methodologies	Acquire the ability to understand and interpret the geomorphic and drainage character of a region	Interpretation and measurement of certain aspects of geomorphic and drainage character