

**TEACHING PLAN**  
**DEPT. – GEOGRAPHY, MOYNA COLLEGE**  
**STREAM – GENERAL**  
**SESSION – 2015 – 16**  
**TEACHER – KALISANKAR KAR**

YEAR	PAPER	TOPIC	DATE	NO OF CLASSES	TEACHING METHOD	REFERENCE BOOKS
PART I	PAPER I	<b>1.0 GEOTECTONICS</b> 1.1 Geological time scale and geological history of the earth. 1.2 Thermal and physical state of the earth's interior with special reference to Seismological evidences; origin and classification of rocks. 1.3 Continental drift and mountain building in the light of Plate Tectonics. 1.4 Geological structures: folds and faults. <b>CLASS TEST</b>	12.07.16 – 07.09.16	25	LECTURE  DEMONSTRATION  ILLUSTRATION  GROUP DISCUSSION	1.GEOMORPHOLOGY – S. Singh  2.ADHUNIK BHUMIRUP BIGYAN – R.K.Maiti  3.PHYSICAL GEOGRAPHY – Mitra. Sen. Sengupta
			08.08.16	01		
		<b>4.0 BIOGEOGRAPHY</b> 4.1 Definition of biosphere and biogeography; Meaning of ecology, niche, ecotone, communities, ecosystem, environment. Habitats and biotopes. 4.2 Impact of climate and soil in distribution of plants and animals. 4.3 Biomes: Rainforests and Temperate grasslands. 4.4 Forest and wildlife management  <b>CLASS TEST</b>	08.02.17-16.03.17	20	LECTURE  DEMONSTRATION  ILLUSTRATION  GROUP DISCUSSION	1.ENVIRONMENTAL GEOGRAPHY – S. Singha  2. PARIBESH – Anis Chaterjee
		20.03.17	01			

YEAR	PAPER	TOPIC	DATE	NO OF CLASSES	TEACHING METHOD	REFERENCE BOOKS
PART I	PAPER I	<b>3.0 SOIL GEOGRAPHY</b> 3.1 Definition of soil. Soil forming factors; Soil types: Zonal, Azonal and Intrazonal. 3.2 Physical and chemical properties of soil (texture, structure, colour, pH, organic matter). 3.3 Soil forming processes: Podsolization and Laterization. 3.4 Causes of soil degradation; Methods of soil conservation. <b>CLASS TEST</b>	20.12.16 – 06.02.17	20	LECTURE  DEMONSTRATION  ILLUSTRATION  GROUP DISCUSSION	1.MRITIKAR KOTHA – P.Das , S. Basu  2.MRITTIKA BHUVIDYA – Joydeb Kalle
		<b>5.0 CLIMATOLOGY, HYDROLOGY AND OCEANOGRAPHY</b> 5.1 Thermal and chemical composition and layering of the atmosphere. 5.2 Forms and processes of condensation; Mechanism of precipitation. 5.3 Components and distribution of hydrosphere; Global hydrological cycle; 5.4 Nature and distribution of Salinity and Temperature of The Pacific, Atlantic and Indian Oceans; Ocean currents and Tides. <b>CLASS TEST</b>	07.02.17	01		
		<b>5.0 CLIMATOLOGY, HYDROLOGY AND OCEANOGRAPHY</b> 5.1 Thermal and chemical composition and layering of the atmosphere. 5.2 Forms and processes of condensation; Mechanism of precipitation. 5.3 Components and distribution of hydrosphere; Global hydrological cycle; 5.4 Nature and distribution of Salinity and Temperature of The Pacific, Atlantic and Indian Oceans; Ocean currents and Tides. <b>CLASS TEST</b>	13.09.16 – 12.12.16	20	LECTURE  DEMONSTRATION  ILLUSTRATION  GROUP DISCUSSION	1.FUNDAMENTALS OF CLIMATOLOGY – D.S.Lal  2.CLIMATOLOGY – S. Singh  3. OCEANOGRAPHY – S. Singh
		<b>CLASS TEST</b>	15.12.17	01		

YEAR	PAPER	TOPIC	DATE	NO OF CLASSES	TEACHING METHOD	REFERENCE BOOKS
PART II	PAPER II	<b>1.0 GEOGRAPHICAL THOUGHT</b> 1.1 Definition, scope and content of Geography. 1.2 Evolution of Geography in Ancient and Mediaeval period. 1.3 Development in Classical Period: Contribution of Humboldt and Ritter. 1.4 Major paradigms in Geography: Determinism and Possibilism, Regional approach and Quantitative revolution.	09.08.16 – 30.08.16	15	LECTURE DEMONSTRATION ILLUSTRATION	1.EVOLUTION OF GEOGRAPHICAL THOUGHT – Mazid Hussain  2.BHUGOL CHINTAR BIKASH – R. Maity
		<b>CLASS TEST</b>	31.08.16	01		

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PART II	PAPER II	<b>4.0 ETHNICITY, CULTURE &amp; ECONOMY</b> 4.1 Ethnicity and culture; Major ethnic groups and races and their world distribution. 4.2 Concept of tribe; man-environment relation: Pygmies and Bushmen 4.3 Tribes of India and their distribution; Man-environment relation: Toda and Bhils 4.4 Tribes of West Bengal; Man-environment relation: Santals	01.09.16 – 06.12.16	10	LECTURE DEMONSTRATION ILLUSTRATION	SOCIAL GEOGRAPHY – Mazid Hussain  SAMAJIK O SANSKRITIK BHUGOL - Jotirmoy Sen
		<b>CLASS TEST</b>	20.12.16	01		

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PART II	PAPER III	<b>SCALE</b> 1.1 Scale: Concept and types; 1.2 Drawing of linear, Comparative and Diagonal scales. <b>PRACTICE CLASS</b>	01.09.16 – 21.09.16	09  01	LECTURE  DEMONSTRATION PROJECT  PROBLEM SOLVING	PRACTICAL GEOGRAPHY – Asis Sarkar
		<b>CARTOGRAMS</b> 1.3 Proportional diagrams: Circles and Squares. 1.4 Composite bar diagrams and age-sex pyramids. 1.5 Taylor's climograph. <b>PRACTICE CLASS</b>	03.10.16 – 28.11.16	05  01	LECTURE  DEMONSTRATION PROJECT  PROBLEM SOLVING	SNATAK BHABOHARIK BHUGOL – T. Banerjee & A.K. Sil
PART II	PAPER III	<b>MAP PROJECTION</b> 2.4 Map Projection: Principles and Classification 2.5 Drawing of graticules on Cylindrical Equal Area Projection, Conical Projection with One Standard Parallel and Polar Zenithal Stereographic Projection (Graphical / Trigonometric method).	05.12.16 – 30.01.17	15	LECTURE  DEMONSTRATION PROJECT  PROBLEM SOLVING	HONOURS BHABOHARIK BHUGOL – Sankar Adhikari
		<b>PRACTICE CLASS</b>		01		

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PART II	PAPER III	<b>SURVEYING</b> 4.1 Definition, Principle and Classification of Surveying. 4.2 Open and close traversing by Prismatic compass <b>PRACTICE CLASS</b>	06.02.17 – 20.03.17	08	LECTURE  DEMONSTRATION	HONOURS BHABOHARIK BHUGOL – Sankar Adhikari (Ist part)
		01		FIELD STUDY	PRACTICAL GEOGRAPHY – Asis Sarkar	
		<b>SOCIO-ECONOMIC SURVEY</b> 4.3 Preparation of Socio-economic Survey Schedule and Questionnaire.		03	LECTURE  ILLUSTRATION	

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PART III	PAPER IV	<b>3.0 ENVIRONMENTAL ISSUES AND HUMAN WELL-BEING</b> 3.1 Environmental pollution: Air pollution, water pollution, noise pollution and their impacts on human beings. 3.2 Land degradation and its impacts on human well-being. 3.3 Selected environmental issues: Population growth, poverty, food security, energy crisis, urbanisation and industrialisation, 3.4 Conservation of biodiversity and its significance.	09.11.16 – 21.12.16	20	LECTURE  DEMONSTRATION  ILLUSTRATION  GROUP DISCUSSION	ENVIRONMENT GEOGRAPHY – S. Singh
		<b>CLASS TEST</b>	23.12.16		01	

		<p><b>4.0 PRINCIPLES OF REMOTE SENSING AND GEOGRAPHIC INFORMATION SYSTEM</b></p> <p>4.1 Remote Sensing: Definition, Stages, Sources of energy, EMR spectrum (Bands).</p> <p>4.2 Satellite sensor and its function, satellite platforms; Concept of resolution: Spatial, spectral, radiometric and temporal.</p> <p>4.3 Principles of preparing Standard False Colour Composite (FCC), Principles of visual interpretation and Digital image classification</p> <p>4.4 Geographic Information System (GIS): Definition, scope, concept of map layers in GIS.</p> <p><b>CLASS TEST</b></p>	<p>15.08.16 – 04.10.16</p> <p>05.10.16</p>	<p>20</p> <p>01</p>	<p>LECTURE</p> <p>DEMONSTRATION</p> <p>ILLUSTRATION</p> <p>GROUP DISCUSSION</p>	<p>PRACTICAL GEOGRAPHY – Asis Sarkar</p> <p>BHABOHARIK BHUGOL – Asiq Ahamed</p>
		<p><b>Project work – VIVA BASED ON PROJECT REPORT</b></p>	<p>02.01.17 – 13.02.17</p>	<p>25</p>		