

AZAD HIND FOUZ SMRITI MAHAVIDYALAYA
Dept. of Geography
Syllabus structuring & lesson plan(odd plan)
2018-19 (CBCS)
July-December 2018-19
1st Semester
GEO-A-CC-1-01-TH& P – Geotectonics and Geomorphology

Unit I: Geotectonics (TH/P)

Unit	Section	Teacher	Time frame	Theory	Practical	CIE	Internal examination
1.1TH	Earth's tectonic and structural evolution with reference to geological time scale	HMK	July	TH (lecture method using ppt & interactive discussion)	Theoretical class of practical units Identification of rocks & minerals	Short questions	
2TH	Earth's interior with special reference to seismology. Isostasy :Models of Airy, Pratt and their applicability	HMK	July	TH (lecture method using ppt & interactive discussion		Short questions	
3TH	Plate Tectonics as a unified theory of global tectonics: Processes and landforms at plate margins and hotspots	HMK	August	TH (lecture method using ppt & interactive discussion		MCQ	
4TH	. Folds and Faults—origin and types	HMK	September	TH (lecture method using ppt & interactive discussion		MCQ	
5.1P	Measurement of dip and strike using clinometers	HMK	July		Practical (Geo lab-21)	Practical examination with Clinometers	
6.2P	mineral samples: Bauxite, calcite, chalcopryrite, feldspar, galena, gypsum, hematite, magnetite, mica, quartz, talc, tourmaline &) rock samples: Granite, basalt, dolerite, laterite, limestone, shale, sandstone, conglomerate, slate, phyllite, schist, gneiss, quartzite, marble	HMK	July		Practical (Geo lab-21)	Viva on mineral & rock characteristics	

73.TH	Delineation of drainage basins	RBM	July	TH (lecture method using ppt & interactive discussion		MCQ	
8.4TH	hypsothetic curve	RG	July	TH (lecture method using ppt & interactive discussion		MCQ	
9.3.P	Extraction and interpretation of geomorphic information from Survey of India 1:50k topographical maps of plateau region: Delineation of drainage basins, construction of relief profiles (superimposed, projected and composite), relative relief map, slope map (Wentworth's method), stream ordering (Strahler) and bifurcation ratio on a drainage basin	RBM	July to October		Practical (Geo lab-21) & room no 19 (tracing unit)	Short questions & application oriented short examinations.	
10.3.P	. Construction of hypsothetic curve and derivation of hypsothetic integer from Survey of India 1:50k topographical maps of plateau region	RG	July to October		Practical (Geo lab-21) & room no 19 (tracing unit)	Short questions & application oriented short examinations.	

Unit II: Geomorphology (TH& P)

Unit	Section	Teacher	Time frame	Theory	Practical	CIE	Internal examination
2.1TH	Degradational processes: Weathering, mass wasting and resultant landforms.	RG	July	TH (lecture method using ppt & Interactive discussion)		Short questions, MCQ & Viva	
2TH	Processes of entrainment, transportation and deposition by different geomorphic agents. Role of humans in landform development	RBM	July	TH (lecture method using ppt & interactivediscussion		Short questions MCQ & Viva	
3TH	Development of river network and landforms on uniclinal and folded structures. Surface expression of faults.	RBM	August	TH (lecture method using ppt & interactive discussion		Short questions MCQ & Viva	
4TH	Development of river network and landforms on granites, basalts and limestones	RBM	August	TH (lecture method using ppt & interactive discussion		Short questions MCQ & Viva	
5TH	. Coastal processes and landforms	RBM	September	TH (lecture method using ppt & interactive discussion		Short questions MCQ & Viva	
6TH	Glacial and glacio-fluvial processes and landforms	RBM	September	TH (lecture method using ppt & interactive discussion		Short questions MCQ & Viva	
9TH	Aeolian and fluvio-aeolian processes and landforms	RBM	September	TH (lecture method using ppt & interactive discussion		Short questions MCQ & Viva	
10TH	Role of time and systems approach in geomorphology. Models on landscape evolution: Views of Davis, Penck, King and Hack	RG	September& October	TH (lecture method using ppt & interactive discussion		Short questions MCQ & Viva	
							Test examination in November <u>2018-19</u>

GEO-A-CC-1-02-TH&P – Cartographic Techniques**Unit I&2:**

Unit	Section	Teacher	Time frame	Theory	Practical	CIE	Internal examination
2.3.1	. Maps: Components and classification	HMK	July	TH (lecture method using ppt & interactive discussion)		Short questions& MCQ & Viva	
2	Concept and application of scales: Plain, comparative, diagonal and Vernier	HMK	July	TH (lecture method using ppt & interactive discussion)		Short questions& MCQ & Viva	
3	Coordinate systems: Polar and rectangular	HMK	July	TH (lecture method using ppt & interactive discussion)		Short questions	
4	Concept of generating globe	HMK	August	TH (lecture method using ppt & interactive discussion)		Short questions	
5	Grids: Angular and linear systems of measurement	HMK	August	TH (lecture method using ppt & interactive discussion)		Short questions	
6	. Bearing: Magnetic and true, whole-circle and reduced	HMK	September	TH (lecture method using ppt & interactive discussion)		Short questions& MCQ & Viva	
7	. Concept of geoid and spheroid with special reference to Everest and WGS-84	HMK	September	TH (lecture method using ppt & interactive discussion)		Short questions	
8	Map projections: Classification, properties and uses	RBM	July	TH (lecture method using ppt & interactive discussion)		Short questions& MCQ & Viva	
9	Concept and significance of UTM projection	RG	July	TH (lecture method using ppt & interactive discussion)		Short questions	
10	. Representation of data using dots and proportional circle	RG	July	TH (lecture method using ppt & interactive discussion)		Short questions	
11	Representation of data using isopleth and choropleth	RG	August	TH (lecture method using ppt & interactive discussion)		Short questions& MCQ & Viva	
12	Survey of India topographical maps: Reference scheme of old and open series. Information on the margin of maps	RBM	August	TH (lecture method using ppt & interactive discussion)		Short questions& MCQ & Viva	
2.4.1	Graphical construction of scales: Plain, comparative, diagonal and Vernier		September		Practical (Geo lab-21) & room no 19 (tracing unit)	Short questions & application oriented short examinations.	
2	Construction of projections: Polar Zenithal		September		Practical (Short questions &	

	Stereographic, Simple Conic with one standard parallel, Bonne's, Cylindrical Equal Area, and Mercator's		ber		Geo lab-21) & room no 19 (tracing unit)	application oriented short examinations.	
3	Thematic maps: Proportional squares, pie diagrams with proportional circles, dots and spheres		September		Practical (Geo lab-21) & room no 19 (tracing unit)	Short questions & application oriented short examinations.	
4	Thematic maps: Choropleth, isopleths, and chorochromatic maps		oct		Practical (Geo lab-21) & room no 19 (tracing unit)	Short questions & application oriented short examinations.	Test examination in November 2018-19

LESSON PLAN OF GEOGRAPHY HONOURS FOR THE ACADEMIC SESSION 2020-21
EVEN SESSION
AZAD HIND FOUZ SMRITI MAHAVIDYALAYA
Dept. of Geography
Syllabus structuring & lesson plan
2018-19 (CBCS)
JANUARY TO JUNE 2020-21
2ND SEMETER

GEO-A-CC-2-03- – Human Geography (TH &P)

Unit I & II : Nature and Principles (TH/P)& Society, Demography and Ekistics

<i>Unit</i>	<i>Section</i>	<i>Teacher</i>	<i>Time frame</i>	<i>Theory</i>	<i>Practical</i>	<i>CIE</i>	<i>Internal examination</i>
<i>1.1TH</i>	Nature, scope and recent trends. Elements of human geography	<i>RBM</i>	<i>JANUARY</i>	<i>TH (lecture method using ppt & interactive discussion)</i>		<i>Short questions</i>	
<i>2TH</i>	Approaches to Human Geography: Resource, locational, landscape, environment	<i>RBM</i>	<i>JANUARY</i>	<i>TH (lecture method using ppt & interactive discussion)</i>		<i>Short questions</i>	
<i>3TH</i>	Concept and classification of race. Ethnicity	<i>RBM</i>	<i>JANUARY</i>	<i>TH (lecture method using ppt & interactive discussion)</i>		<i>MCQ</i>	
<i>4TH</i>	Space, society and cultural regions (language and religion)	<i>RBM</i>	<i>MARCH</i>	<i>TH (lecture method using ppt & interactive</i>		<i>MCQ</i>	

				<i>discussion)</i>			
5TH	Evolution of human societies: Hunting and food gathering, pastoral nomadism, subsistence farming and industrial society	<i>RBM</i>	<i>MARCH</i>	<i>TH (lecture method using ppt & interactive discussion</i>			
6TH	Human adaptation to environment: Case studies of Eskimo, Masai and Maori	<i>RBM</i>	<i>APRIL</i>	<i>TH (lecture method using ppt & interactive discussion</i>			
7TH	Population growth and distribution, composition; demographic transition	<i>RG</i>	<i>MAY</i>	<i>TH (lecture method using ppt & interactive discussion</i>			
8TH	Population–resource regions (Ackerman	<i>RG</i>	<i>JUNE</i>	<i>TH (lecture method using ppt & interactive discussion</i>			
9TH	Development–environment conflict	<i>RG</i>	<i>JUNE</i>	<i>TH (lecture method using ppt & interactive discussion</i>			
10TH	Types and patterns of rural settlements	<i>RG</i>	<i>JUNE</i>	<i>TH (lecture method using ppt & interactive</i>			

				<i>discussion</i>			
11TH	Rural house types in India	RG	JUNE	TH (lecture method using ppt & interactive discussion			
12 TH	Morphology and hierarchy of urban settlements	RG	JUNE	TH (lecture method using ppt & interactive discussion			
13P	Spatial variation in continent- or country-level religious composition by divided proportional circles	RBM	JUNE	PR(ROOM NO-22)			
14P	Measuring arithmetic growth rate of population comparing two decadal datasets	RG	JUNE	PR(ROOM NO-22)			
15P	Types of Age-Sex pyramids (progressive, regressive, intermediate and stationary): Graphical representation and analysis	RG	JUNE	PR(ROOM NO-22)			

16P	Nearest neighbour analysis from Survey of India 1:50k topographical maps (5' x 5')	RBM	JUNE	PR(ROOM NO-22)			
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GEO-A-CC-2-0-TH & P – Thematic Mapping and Surveying

Unit	Section	Teacher	Time frame	Theory	Practical	CIE	Internal examination
2.71 TH	Concepts of rounding, scientific notation. Logarithm and anti-logarithm. Natural and log scales	HMK	JANUARY	TH (lecture method using ppt & interactive discussion)		Short questions	
2.72 TH	Concept of diagrammatic representation of data	RBM	JANUARY	TH (lecture method using ppt & interactive discussion)		Short questions	
2.73 TH	Preparation and interpretation of	HMK	JANUARY	TH (lecture method using		MCQ	

	geological maps			<i>ppt & interactive discussion)</i>			
2.74 TH	Preparation and interpretation of weather maps	<i>RBM</i>	<i>MARCH</i>	<i>TH (lecture method using ppt & interactive discussion)</i>		<i>MCQ</i>	
2.75 TH	Preparation and interpretation land use land cover maps	<i>HMK</i>	<i>MARCH</i>				
2.76 TH	Preparation and interpretation of socio-economic maps	<i>RBM</i>	<i>MARCH</i>				
2.77TH	Principal national agencies producing thematic maps in India: NATMO, GSI, NBSSLUP, NHO, NRSC / Bhuvan, etc.	<i>HMK</i>	<i>MARCH</i>				
2.78TH	Basic concepts of surveying and survey equipment: Prismatic compass	<i>HMK</i>	<i>APRIL</i>				
2.79 TH	Basic concepts of surveying and survey equipment: Dumpy level	<i>HMK</i>	<i>APRIL</i>				
2.710TH	Basic concepts of surveying and survey equipment:	<i>HMK</i>	<i>APRIL</i>				

	Theodolite						
2.11 TH	Basic concepts of surveying and survey equipment: Abney level	HMK	APRIL				
2.712TH	Basic concepts of surveying and survey equipment: Laser distance measurer	HMK	APRIL				
2.81P	Traverse survey using prismatic compass	HMK	MAY		Practical (Geo lab-21) & room no 19		
2.82P	Profile survey using dumpy Level	HMK	MAY		Practical (Geo lab		
2.83P	Height determination of base accessible and inaccessible (same vertical plane method) objects by theodolite	HMK	MAY		Practical (Geo lab		
2.84P	Interpretation of geological maps with uniclinal structure, folds, unconformity, and intrusions	HMK	JUNE		Practical (Geo lab		