VIDYASAGAR UNIVERSITY

B & (Honours) in Geography

[Choice Based Credit System]

			CA	Oredit	L-T-P	Marks		
Semes	Course	Course	Course Title	Cedit	lag 1	CA	EE	TOTA
ter	Туре	Code		and the same of th			go of the state of	p
Seme	ester-l		1 Chamarphalagy	6	5-1-0	15	60	75
1	Core-1		CT1: Geotectonics and Geomorphology	6	4-0-4	15	60	75
1	Core-2		CT2: Cartographic Techniques					
			CP2 Cartographic Techniques - lab	6	4/5	15	60	75
	GE-1		TBD		2/1		-	
			TBD	2.	1-1-0	10	40	50
AECC-1 English/MIL			English/MIL	20				275
Semes	ter -1: tota	al						
Sem	ester-II			6	5-1-0	15	60	75
00111	The second second		CT3: Human Geography	10		-	-	-
11	Core-3	1	CIS. Human cosy of	6	4-0-4	15	60	75
11	Core-3	-	CT4: Cartograms and Thematic Mapping	6	4-0-4	15		
11	Core-3	-	CT4: Cartograms and Thematic Mapping CP4: Cartography - Lab		4-0-4	15	60	75
11	Core-4		CT4: Cartograms and Thematic Mapping	6		15	60	75
11	-		CT4: Cartograms and Thematic Mapping CP4: Cartography - Lab		4/5			

Semes	Course	Course	ourse Title	Credit	L-T-P	Marks		
ter	Type	Code	Course mile			CA	EA	TOTA
Seme	ster-III						en er Erstlich	16.77.2
111	Core-5	T	CT5: Climatology	6	5-1-0	15	60	75
	Core-6		CT6: Statistical methods in Geography	6	4-0-4	15	60	75
	CC. C C		CP6: Statistical methods in Geography					
	Core-7	Orac mi altra di control di control	CT7: Geography of India	6	5-1-0	15	60	75
Ì	GE-3		TBO	6	4/5	15	60	75
	-				21			NEW YORK STATE
	SEC-1		TBO	2	1-1-0	10	40	50
		-III: total	26		1	Commercial	350	
Samo	ster-IV							
T	Core-8		CT8: Regional Planning and development	6	5-1-0	15	60	75
IV	Ore-9		CT9: Economic Geography	6	5-1-0	15	60	75
+	Core-10		CT10: Environmental Geography	6	4-0-4	15	60	75
			CP10: Environmental Geography- Lab					
1	GE-4		TBD	6	415	15	60	75
					2/1		A CONTRACTOR OF THE PARTY OF TH	
	CCC 2		TBD	2	1-1-0	10	40	50
	SEC-2	N/: total	26				350	
	semester	−IV: total						

Symes	Course Type	ourse Course Title	Course Title	Oredit	L-T-P	Marks		
ter		Code				CA	EZE	TOTAL
	Semes	ter-V	Charles Company Company and an an advance on the control of the co					
V	Core-11		CT11: Field work and Research Methodology	6	4-0-4	15	60	75
V			OP11: Field work and Research Methodology-Lab					
	Ore 12		CT12: Remote sensing and GIS	6	4-0-4	15	60	75
			OP12: Remote sensing and GIS-Lab					_
	DSE-1		TBD	6	5-1-0	15	60	75
	D8E-2		TBD	6	5-1-0	15	60	75
	Semester	–V : total		24				300
	Semes	ter-VI			1	1	1	1
M	Core-13		CT13: Evolution of Geographical thought	6	5-1-0	15	60	75
VI	Ore-14		CT14: Disaster Management	6	4-0-4	15	60	75
			QP14: Disaster Management based Project Work					
	DSE-3 TBD			6	5-1-0	15	60	75
	D9E-4		TBO	6	5-1-0	15	60	75
								200
	Semester	- VI: tota		24	-		-	300
				142	+	-	- Annual Contract	1900

[©] Core Course , AECC = Ability Enhancement Compulsory Course , GE = Generic Bective , SEC = Still Enhancement Course , DSE = Spoline Specific Bective , CA= Continuous Assessment , ESE= End Semester Examination , TBD=To be decided , CT = Core Theory, CP=Core ctical , L= Lecture, T = Tutorial ,P = Practical , MIL = Modern Indian Language , BNVS = Environmental Studies ,

Core Course

CC-T	: Geotectonics and Geomorphology	Credits 06
CIT:	Geotectonics and Geomorphology	
1. 2. 3.	Earth's tectonic and structural evolution with reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to the special reference to seismology. Pratt Plate Tectonics: Processes at constructive, consented to the special reference to the special	gy_Isostasy: Models of Airy and V.D
1. 2. 3. 4. 5. 6. 7.	I: Geomorphology Degradational processes: Weathering, mass wastin Processes of entrainment, transportation and depagents. Role of humans in landform development. Development of river network and landforms on usuandforms on igneous rocks with special reference Karst landforms: Surface and sub-surface. Coastal Glacial and fluvio-glacial processes and landforms Aeolian and fluvio-aeolian processes and landform Models on landscape evolution: Views of Davis, P.	iclinal and folded structures to Granite and Basalt \(\lambda \) processes and landforms. If fluvio-glacial landforms \(\lambda \) K Is fluvio-aeolian processes
	 Bloom A. L., 2001: Geomorphology: A Syster Landforms, Prentice-Hall of India, Third edition Bridges E. M., 1990: World Geomorphology Cambridge. Christopherson, Robert W., (2011), Geomorphology Cambridge. Christopherson, Robert W., (2011), Geomorphology Cambridge. Christopherson, Robert W., (2011), Geomorphysical Geography, 8 Ed., Macmillan Publis Kale V. S. and Gupta A., 2001: Introduct Longman, Hyderabad. Knighton A. D., 1984: Fluvial Forms and Proce London. Selby, M.J., (2005), Earth's Changing Surface, Skinner, Brian J. and Stephen C. Porter (2 Introduction to physical Geology, 4th Edition, J. Thornbury W. D., 1969: Principles of Geomorp 	y, New Delhi. y, Cambridge University Press, systems: An Introduction to ning Company ion to Geomorphology, Orient sses, Edward Arnold Publishers, Indian Edition, OUP 2000), The Dynamic Earth: An ohn Wiley and Sons

KD

CC-2:	Cartogra	phic	Techniques
	Carroll		" cemind nes

Credits 06

C2T:	Car	togr	aph	ic T	ec	hni	que	28

Credits 04

- Maps: Classification and types. Components of a map.
- 2. Concept and application of scales: Plain, comparative, diagonal and vernier X AS
- Coordinate systems: Polar and rectangular. Concept of geoid and spheroid
- 4. Concept of generating globe. Grids: angular and linear systems of measurement < p
- 5. Bearing: Magnetic and true, whole-circle and reduced.
- Map projections: Classification, properties and uses. Concept and significance of UTM projection. 1
- 7. Basic concepts of surveying and survey equipment: Prismatic compass, dumpy probable structures, theodolite, Abney level, clinometer.
- 8. Survey of India topographical maps: Reference scheme of old and open series. KD Information on the margin of maps

Reference Books

- Anson R. and Ormelling F. J., 1994: International Cartographic Association: Basic Cartographic Vol. Pregmen Press.
- Gupta K.K. and Tyagi, V. C., 1992: Working with Map, Survey of India, DST,
- New Delhi.
- Mishra R.P. and Ramesh, A., 1989: Fundamentals of Cartography, Concept, New Delhi.
- Monkhouse F. J. and Wilkinson H. R., 1973: Maps and Diagrams, Methuen, London.
- Rhind D. W. and Taylor D. R. F., (eds.), 1989: Cartography: Past, Present and Future, Elsevier, International Cartographic Association.
- Robinson A. H., 2009: Elements of Cartography, John Wiley and Sons, New York.
- Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
- Sarkar, A. (2015) Practical Geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

C2P: Cartographic Techniques Lab

Credits 02

A Project File, comprising one exercise each is to be submitted

- 1. Graphical construction of scales: Plain, comparative, diagonal and vernier
- 2. Construction of projections: Polar Zenithal Stereographic, Simple conic with two standard parallels, Bonne's, Cylindrical Equal Area, and Mercator's.
- Delineation of drainage basin from Survey of India topographical map. Construction and interpretation of relief profiles (superimposed, projected and composite), relative relief map, slope map (Wentworth), and stream ordering (Strahler) on a drainage basin.
- Correlation between physical and cultural features from Survey of India C K topographical maps. using transect chart