Choice Based Credit System (CBCS): Syllabus in Geography

Semester- 2
(Marks-275, Credit- 20)

SEMESTER	COURSE OPTED	COURSE NAME	CREDIT	MARKS		
				IA	ESE	TOTAL
II	ABILITY ENHANCEMENT: COMPULSORY COURSE - II	COMMUNICATIVE ENGLISH/ MIL	2		50	50
	CORE COURSE (CC3)	HUMAN GEOGRAPHY	6	15	60	75
	CORE COURSE (CC4)	CARTOGRAMS, SURVEY AND THEMATIC MAPPING	4	15	40	75
			2		20	
	GENERIC ELECTIVE (GE2)	ANY DISCIPLINE OTHER THAN GEOGRAPHY	6	15	60	75
		Total	**20**			**275**

Core Course

❖ *Core course 3: **Theory:** HUMAN GEOGRAPHY (**Credit: 6**)*

Unit	S.N.	Topic	Teacher
Unit 1: Nature and Principles	1	Nature, scope and recent trends of Human Geography	**RH**
	2	Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world	**BD**
	3	Space, society and cultural regions (language and religion)	**BD**
	4	Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world	**BD**
Unit II Society, Demography and Ekistics	1	Evolution of human societies: Hunting and gathering, Pastoral nomadism, Subsistence farming, Industrial and urban societies	**AB**
	2	Human - environment relations with special reference to Arctic and hot desert regions	**AB**
	3	Population growth and distribution, composition; demographic transition	**RH**
	4	Population–resource regions (Ackerman)	**RH**
	5	Human, population and environment relations with special reference to Development–environment conflict	**RH**
	6	Social morphology and rural house types in India	**RD**
	7	Types and patterns of rural settlements	**RD**
	8	Functional Classification of urban settlements	**RD**

References

BOOKS:
- Chandna, R.C. 2016. Geography of Population: Concepts, Determinants and Patterns, Kalyani Publishers.
- Fouberg, E.H., Murphy, A.B., de Blij H.J. 2015. Human Geography: People, Place, and Culture, 11th ed, Wiley.
- Ghosh, S. 1998. Introduction to Settlement Geography, Sangam Books Ltd.
- Gould, W.T.S. 2015. Population and Development, Routledge.
- Gregory, D., Johnston, R., Pratt, G., Watts., Whatmore, S. (Eds) 2009. The Dictionary of Human Geography, 5th ed, Wiley.
- Knox, P.L., Marston, S.A. 2014. Human Geography: Places and Regions in Global Context, 6th ed, Pearson Education Limited.
- Knox, P.L., McCarthy, L.M. 2011. Urbanization: An Introduction to Urban Geography, 3rd ed, Pearson Educztuion Ltd.
- Mandal, R.B. 2001. Introduction to Rural Settlement, 2nd ed, Concept Publishing Company.
- Moseley, W.G., Perramond, E., Hapke, H.M., Laris, P. 2013. An Introduction to Human-Environment Geography: Local Dynamics and Global Processes, Wiley-Blackwell.
- Norton, W. 2014. Human Geography, 8th ed, Oxford University Press.
- Pickering K. and Owen A. A. (1997): An Introduction to Global Environmental Issues, 2nd edition Rutledge, London.
- Rubenstein, J.M. 2016. The Cultural Landscape: An Introduction to Human Geography, 12th ed, Pearson Education Limited.
- Short, R.J. 2017. Human Geography: A Short Introduction, 2nd ed, Oxford University Press.

❖ *Core Course 4: **Theory**-* Cartograms, Survey and Thematic Mapping (***Credit 4***)

S.N.	Topic	Teacher
1	Concepts of Cartograms and Thematic Maps	**RH**
2	Concept and utility of Isopleths and Choropleth,	**RH**
3	Concept, utility, and interpretation of: Climograph, Hythergraph and Ergograph	**BD**
4	Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)	**BD**
5	Concepts of Bearing: magnetic and true, whole-circle and reduced	**AB**
6	Basic concepts of surveying and survey equipment: Abneys Level, Clinometer	**AB**
7	Basic concepts of surveying and survey equipment: Prismatic Compass, Dumpy Level,Transit Theodolite	**RD**
8	Interpretation of Land use and land cover maps	**RD**

BOOKS

- Basak, N.N. 2017. Surveying and Levelling, 2nd ed, McGraw Hill Education.
- Bolton. T. 2009 (reprint). Geological Maps: Their Solution and Interpretation, Cambridge Univ. Press.
- Kanetkar, T.P., Kulkatni, S.V. 1988. Surveying and Levelling, Part I, Pune Vidyarthi Griha Prakashan.
- Monkhouse, F.J., Wilkinson, H.R. 1971. Maps and Diagrams: Their Compilation and Construction, 3rd ed (2017 reprint), Alphaneumera-Kolkata.

- Robinson, A.H., Morrison, J.L., Phillip, C.M., Kimerling, A.J., Guptill, S.C. 1995. Elements of Cartography, 6th ed, Wiley.
- Sarkar, A. 2015. Practical Geography: A Systematic Approach, 3rd ed, Orient Blackswan Private Ltd.
- Singh, R.L., Singh, R.P.B. 2008. Elements of Practical Geography, Kalyani Publishers.
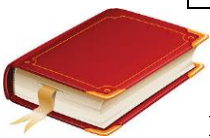- Subramanian, R. 2012. Surveying and Levelling, 2nd ed, Oxford University Press

WEBSITES

- Geological Survey of India: www.gsi.gov.in
- Indian Naval Hydrographic Department: www.hydrobharat.nic.in
- National Bureau of Soil Survey and Land Use planning: www.nbsslup.in
- Survey of India: www.surveyofindia.gov.in
- ISRO Bhuvan 2D Platform: bhuvan.nrsc.gov.in/map/bhuvan/bhuvan2d.php
- National Remote Sensing Centre: www.nrsc.gov.in

❖ *Core Course 4: **Practical**- Cartograms, Survey and Thematic Mapping (**Credit 2**)*

S.N.	Topic	Teacher
1	Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram	**BD**
2	Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth	**RH**
3	Contouring by Dumpy Level and Prismatic Compass Choropleth method	**AB**
4	Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)	**AB**
	*A Project File, comprising one exercise each is to be submitted	

Books

- Basak, N.N. 2017. Surveying and Levelling, 2nd ed, McGraw Hill Education.
- Bolton. T. 2009 (reprint). Geological Maps: Their Solution and Interpretation, Cambridge University Press.
- Kanetkar, T.P., Kulkatni, S.V. 1988. Surveying and Levelling, Part I, Pune Vidyarthi Griha Prakashan.
- Monkhouse, F.J., Wilkinson, H.R. 1971. Maps and Diagrams: Their Compilation and Construction, 3rd ed (2017 reprint), Alphaneumera-Kolkata.
- Robinson, A.H., Morrison, J.L., Phillip, C.M., Kimerling, A.J., Guptill, S.C. 1995. Elements of Cartography, 6th ed, Wiley.
- Sarkar, A. 2015. Practical Geography: A Systematic Approach, 3rd ed, Orient Blackswan Private Ltd.
- Singh, R.L., Singh, R.P.B. 2008. Elements of Practical Geography, Kalyani Publishers.
- Subramanian, R. 2012. Surveying and Levelling, 2nd ed, Oxford University Press