



**Indraprastha College for Women
University of Delhi**

Course Name:	B A Hons. Geography
Paper Title:	Geography of Water Resource
Unique Paper Code:	
Semester:	7th
Faculty(s):	Dr Neetu Malik and Dr Omjee Ranjan (Guest faculty)
Year:	August – November, 2026

Work Plan			
Period	Unit No.	Learning Objective	Topics to be Covered
Aug. 1 st week	1	To understand the basics of hydrological regime	Components of hydrological cycle: precipitation
Aug. 2 nd week	1	To understand the basics of hydrological regime	Interception, evaporation
Aug. 3 rd week	1	To understand the basics of hydrological regime	Evapo-transpiration
Aug. 4 th week	1	To understand the basics of hydrological regime	Infiltration, percolation, groundwater run-off
Sept. 1 st week	1	To understand the basics of hydrological regime	Over land flow; Human impact on hydrological cycle
Sept. 2 nd week	4	To understand the spatial issues and problems related to water resources in India	Water disputes
Sept. 3 rd week	4	To understand the spatial issues and problems related to water resources in India	Nature of dispute, water sharing principles

Sept.4 th week	4	To understand the spatial issues and problems related to water resources in India	Water sharing principles river linkages,
October 1 st week	4	To understand the spatial issues and problems related to water resources in India	River linkages
October 2 nd week	4	To understand the spatial issues and problems related to water resources in India	Water pollution
October 3 rd week	4	To understand the spatial issues and problems related to water resources in India	Water quality parameters
18th Oct-25th Oct		BREAK	MID-SEMESTER BREAK
Nov. 1 st week	4	To understand the spatial issues and problems related to water resources in India	Water quality standards
Nov. 2 nd week	4	To understand the spatial issues and problems related to water resources in India	Major pollutants
Nov. 3 rd week	4	REVISION	REVISION
20th Nov	DISPERSAL OF CLASSES		

Unit	TOPICS
I	Hydrological Cycle
II	Surface Water Resources
III	Ground Water Resources
IV	Water Resource Issues and Management

S. No.	Name of Authors/Books/Publishers
1.	AISLUS. (1990). <i>Watershed Atlas of India, All India Soil and Land Use Survey</i> , Dept. o Agriculture and Cooperation, Ministry of Agriculture. Government of India
2.	Andrew. D. Ward and Stanley, Trimble (2004). <i>Environmental Hydrology</i> , 2nd edition Lewis Publishers, CRC Press.
3.	Reddy, K. Ramamohan, Venkateswara Rao, B, Sarala, C. (2014). <i>Hydrology and Watershed Management</i> . Allied Publishers.
4.	Tideman, E.M. (1999). <i>Watershed Management-Guidelines for Indian Conditions</i> . Delhi, India. Omega Scientific Publishers.
5	Jain, S. K., Agarwal, P.K., & Singh, V.P. (2007). Runoff and Streamflow. In <i>Hydrology an Water Resources of India. Water Science and Technology Library</i> , 57, 193–234. Springe

Paper Components			
Credits	Lecture (L)	Tutorial (T)	Practical (P)
4	3 (2L :Dr Omjee, 1L Dr Neetu Malik)	1 (Dr Neetu Malik)	0
Assessment Scheme			
S.No.	Component	Marking Scheme	Total Marks
1	Internal Assessment - Assignment/Quiz/Project/ Presentation - Attendance	12 Test 12 Assignment 6 Attendance	30
2.	Continuous Assessment	CA 1 – 20 Marks CA 2 – 15 Marks Attendance – 5 Marks	40
3	End Semester Exam	90	90

Dr. Neetu Malik will take complete CA for this paper and one assignment for IA component.

Dr Omjee Ranjan will take one test for IA component.