



Indraprastha College for Women University of Delhi

Course Name:	VAC
Paper Title:	Science and Society
Unique Paper Code:	6967000015
Semester:	I
Faculty(s):	Dr. Nikki
Year:	2026

Work Plan			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
I	Learning the perspective of science from ancient to present with the evolution of technologies around us	1	Philosophy of science, the scientific method, importance of observation, questions and experimental design
		2	Discussion about Myths vs facts
		3	Project on water harvesting structures from ancient times to present
		4	Modern agriculture practices and comparisons with old times
		5	Contributions of Indian scientists since ancient times and the contributions of women in science.
		6	Technological advances in building architectures
		7	A project on migratory birds and how they decide their direction

		8	About type of clouds
		9	How can a mosquito sit on a water surface or a blade float on water?
		10	How does a submarine dip or rise in the ocean?

References

- Basu and Khan (2001). Marching Ahead with Science. National Book Trust • Gopalakrishnan (2006). Inventors who Revolutionised our Lives. National Book Trust**
- **Yash Pal and Rahul Pal (2013) Random Curiosity. National Book Trust**
 - **Hakob Barseghyan, Nicholas Overgaard, and Gregory Rupik (****) Introduction to History and Philosophy of Science**
 - **John Avery (2005). Science and Society, 2nd Edition, H.C. Ørsted Institute, Copenhagen.**
 - **Dharampal (2000). Indian Science and Technology in the Eighteenth Century, OIP.**

	Paper Components		
Credits	Lecture (L)	Tutorial (T)	Practical (P)
2	1	0	1
Assessment Scheme			
S.No.	Component	Marking Scheme	Total Marks
1	Internal Assessment - Assignment/Quiz/Project/Presentation - ClassTest - Attendance		10
		4	
		4	
		2	
2.	Continuous Assessment (Tutorial) - Activity 1 - Activity 2 - Attendance		NA
		NA	
		NA	
		NA	
3.	Practical		

	- Continuous Assessment - End Term Written/Practical Exam - Viva	40	40
		NA	
		NA	
4.	End Semester Examination		30