



Indraprastha College for Women University of Delhi

Work Plan for ODD SEMESTER – 2026

Course Name:	B.A (H), B.A (Prog), B.Com (H)
Paper Title:	Science and Society
Unique Paper Code:	6967000015
Semester:	III
Faculty:	Dr Neha Mishra
Year:	2026

Work Plan (Practical)			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
	To apply basic principles of geometry, measurement and proportionality to estimate the height of an inaccessible structure.	1	Measuring the height of the college building using a stick.
	To demonstrate basic plant physiological processes and understand their significance in maintaining life and ecosystem functioning.	2	Observing transpiration and photosynthesis in plants
	To understand the concept of acidity and alkalinity and develop practical skills for determining the approximate pH of commonly used substances.	3	Are fruit juices, soap, carbonated drinks acidic or alkaline? (using pH strips or developing your own Litmus Test)
	Understand scientific temper	4	Experiments on how migratory birds find their way. (Online)
		5	Submission and evaluation
	To demonstrate surface tension and buoyancy through simple observations and relate these phenomena to everyday applications.	6	How can a mosquito sit on a water surface or a blade float on water? How does a submarine dip or rise in the ocean?
	To understand the seasonal variation in the Sun's apparent path across the sky and relate it to the Earth's axial tilt and revolution around the Sun.	7	How and why does the path of the Sun in the sky change with the seasons? Submission and evaluation

	To develop basic skills in sky observation and identification of visible celestial objects and appreciate humanity's scientific understanding of the universe.	8	Identification of celestial objects with the naked eye Submission and evaluation
	To develop skills in observing and identifying major cloud types and relate cloud characteristics to atmospheric conditions and weather.	9	Types of clouds
	To demonstrate the dispersion of light and understand the scientific principles underlying the formation of colours and rainbows.	10	Science of splitting of colours from white light: rainbow, CD-rom, prism, oil films.
	To apply basic principles of geometry and measurement	11	Measuring the curvature of earth, using distance and shadow length.
	Understand health science	12	The blood typing game (online)
		13	Submission and Evaluation

Unit	Contents/Syllabus
I	Science and Technology — from Ancient to Modern Times
II	Scientific Principles and Concepts in Daily Life
III	Contemporary Developments

S. No.	Name of Authors/Books/Publishers
1.	Basu and Khan (2001). Marching Ahead with Science. National Book Trust
2.	Gopalakrishnan (2006). Inventors who Revolutionised our Lives. National Book Trust Yash
3.	Pal and Rahul Pal (2013) Random Curiosity. National Book Trust Hakob Barseghyan,
4.	Nicholas Overgaard, and Gregory Rupik (****) Introduction to History and Philosophy of Science (licensed under a Creative Commons Attribution 4.0 International License)

Paper Components			
Credits	Lecture (L)	Tutorial (T)	Practical (P)
Assessment Scheme			
S.No.	Component	Marking Scheme	Total Marks
1	Internal Assessment - Assignment - Class Test - Attendance		
2.	Continuous Assessment (Tutorial) - Activity 1 - Activity 2 - Attendance		NA
3.	Practical - Continuous Assessment - End Term Written/Practical Exam - Viva		40
		Activity 1:10 Activity 2:10 Practical File: 20	
4.	End Semester Examination		NA