



Indraprastha College for Women

University of Delhi

Course Name:	B.A Prog
Paper Title:	Game Theory and Strategic Interactions
Unique Paper Code:	
Semester:	VII
Faculty(s):	Pratishtha Chaturvedi
Year:	2026

Work Plan			
Period	Unit No.	Learning Objective	Topics to be Covered
Week 1	I	Understanding the basics of game theory: Concept of a game, Notations, types etc.	Complete information simultaneous move game
Week 2	I	Understanding actions, payoffs, dominance of strategies, application of GT in micro	Dominance
Week 3	I	Understanding concepts of equilibrium in a game, application of these concepts in micro	Nash equilibrium, Mixed strategy Nash equilibrium
Week 4	I	Understanding concepts of equilibrium in a game, application of these concepts in micro	Nash equilibrium, Mixed strategy Nash equilibrium

Unit	TOPICS
I	Complete information simultaneous move game, Dominance, Nash equilibrium, Mixed strategy Nash equilibrium

II	Complete information extensive form game. Sequential rationality and subgame perfection.
III	Topics from Industrial Organization
IV	Incomplete information: Bayes Nash equilibrium, Auction, Moral Hazard, Contract
V	Communicating information. Perfect Bayesian equilibrium. Job market signaling and reputation
S. No.	Name of Authors/Books/Publishers
1.	Osborne, M. (2004): An Introduction to Game Theory (Indian Edition)
2.	Watson, J. (2013): Strategy: An Introduction to Game Theory, 3rd edition