

D. B. G. GOVT. COLLEGE, PANIPAT

Session 2023-2024 (EVEN SEMESTER)

NAME OF PROFESSOR: Mr. Arvind Kumar

DESIGNATION: Assistant Professor in Botany

SUBJECT/PAPER: (SEC) – Food waste management

CLASS- B.A. 1ST

SR. NO.	MONTH	TOPICS TO BE COVERED	REMARKS IF ANY
1.	1ST jan -15TH jan	Introduction to food waste: definition and types of food waste, environment, economic and social impact of food waste.	
	16 jan – 31 Jan	Food waste supply chain, factors contributing to food waste, post harvest losses and storage challenges.	
2.	1 Feb to 15 Feb	Retail and consumer related food waste, Food waste in food services and restaurants	Assignment 1+Test
	16 Feb -29 Feb	Food waste management and reductions: Source reduction strategies; food donation and redistribution programs.	
3.	1 Mar- 15 Mar	Composting and anaerobic digestions	Assignment 2+ Test

	16 Mar-31 Mar	Innovative technologies for food waste reduction	
4.	1Apr- 15 Apr 16 Apr – 30 Apr	Overview of by-products: extraction of bioactive compounds from food waste; conversion of food waste into biofuels and energy, recovery of value added materials from food waste Applications of food waste by- product like in food industries; animal feed and pet food production, fertilizers, soil amendments, policy framework and regulations.	

TWO ASSIGNMENTS AND ONE UNIT TEST WILL BE TAKEN AS PER SCHEDULE.

Signature of Assistant Professor