

I.B. (PG) COLLEGE, PANIPAT

LESSON PLAN

SESSION 2024-25 (01.08.2024 to 22.11.2024)

Weekly Lesson Plan (Odd Semester)

UG (III - Semester)

Name of the Paper:- SEC

Class: B.Sc. II

Name of the Teachers (Section Wise) : Era Garg

WEEK	DATE	TOPICS
1	August (1-3)	
SUNDAY - 04.08.2024		
2	August (5-10)	Waste: Classification, generation and characterization Basic aspects of solid waste management generation , handling, storage and processing
07.08.2024 - TEEJ		
SUNDAY - 11.08.2024		
3	August (12-17)	Collection of solid waste, transfer and transport, processing technique Ultimate disposal of solid waste, definition ,resources, effects of hazardous waste
15.08.2024 - INDEPENDENCE DAY		
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN Disposal and management techniques: physical , chemical, physico chemical and thermal treatment
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI Biomedical waste: definition, categories and management
SUNDAY - 01.09.2024		

6	September 7)	(2-	Sources and management of E-waste, disposal of solid waste- sanitary land filling
			Secure land filling, incineration, types of incinerators
SUNDAY - 08.09.2024			
7	September 14)	(9-	Plasma pyrolysis, composting, vermi-composting
			Principles of industrial waste management-sources of pollution and properties
SUNDAY - 15.09.2024			
8	September (16-21)		Manufacturing processes , flow sheets
			Characteristics and composition of wastes including waste reduction
SUNDAY - 22.09.2024			
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY			
9	September (24-28)		Treatment and disposal methods for food industries: sugar fermentation
SUNDAY - 29.09.2024			
10	September (30) October (1, 4-5))		Treatment and disposal methods for material industries: paper, steel
			Metal plating and petroleum refineries
			02.10.2024 - MAHATMA GANDHI JAYANTI
			03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
SUNDAY - 06.10.2024			

11	October 11)	(7-	Role of biotechnology in waste minimization
			Recovery of by-products and raw materials from wastewater conversion
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			
12	October 19)	(14-	waste recovery and reuse
			Reclamation by groundwater recharge
			17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
SUNDAY - 20.10.2024			
13	October 26)	(21-	Agriculture reuse of effluent
			Sludge as fertilizer
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November (4-9)		Biomass for energy
			Metal recovery. Bioscrubbing
SUNDAY - 10.11.2024			
15	November (11-16)		Biological treatment
			Biological methods for waste processing: Biomethanation
			15.11.2024 - GURU NANAK DEV JAYANTI
SUNDAY - 17.11.2024			
16	November (18-22)		Biological methods for waste processing: Biodiesel
			Biological methods for waste processing: Biohydrogen
23.11.2024 - Examinations			

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UG (1st / III / V - Seme: IIIrd Sem

Name of the Plant Hybridization B.Sc IIInd yr

Name of the Teachers (Section V) Dr.Nidhan Singh

WEEK	DATE	TOPICS
1	August (1-3)	General objectives of plant breeding Major achievements, Future Prospects
		General objectives of plant breeding Major achievements, Future Prospects
		SUNDAY - 04.08.2024
2	August (5-10)	07.08.2024 - TEEJ
		Self-incompatibility- Definition, classification
		Practical
		Practical
		SUNDAY - 11.08.2024
3	August (12-17)	15.08.2024 - INDEPENDENCE DAY
		heteromorphic SI, homomorphic SI i.e. gametophytic SI and sporophytic SI
		heteromorphic SI, homomorphic SI i.e. gametophytic SI and sporophytic SI
		SUNDAY - 18.08.2024
		19.08.2024 - RAKSHABANDHAN
4	August (19-24)	heteromorphic SI, homomorphic SI i.e. gametophytic SI and sporophytic SI
		heteromorphic SI, homomorphic SI i.e. gametophytic SI and sporophytic SI
		Practical
		Practical
		SUNDAY - 25.08.2024
		26.08.2024 - JANAMASHTMI
5	August (26-31)	utilization of self-incompatibility in plant breeding
		utilization of self-incompatibility in plant breeding
		utilization of self-incompatibility in plant breeding
		Practical
		SUNDAY - 01.09.2024

6	September (2-7)	
		Definition and concept of population genetics
		random mating population
		Practical
SUNDAY - 08.09.2024		
7	September (9-14)	
		random mating population
		gene and genotypic frequency
		Practical
SUNDAY - 15.09.2024		
8	September (16-21)	
		Hardy-Weinberg law- Law, its validity, factors affecting gene frequency
		Heterosis- Definition, heterosis and hybrid vigour
		Practical
SUNDAY - 22.09.2024		
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY		
9	September (24-28)	
		effects and estimation of heterosis
		genetic basis/theories of heterosis
		Practical
		Practical
SUNDAY - 29.09.2024		
10	September (30) October (1, 4-5))	
		02.10.2024 - MAHATMA GANDHI JAYANTI
		03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
		Practical
SUNDAY - 06.10.2024		

11	October (7-11)	
		Hybridization techniques- Definition, aim and objectives types of hybridization, steps and procedure of hybridization programme choice of parents, evaluation of parents, emasculatation
		Practical
HOLIDAY 12.10.2024 - (DUSSEHRA)		
SUNDAY - 13.10.2024		
12	October (14-19)	
		different methods, bagging, tagging, pollination , harvesting 17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
		Practical
		Practical
SUNDAY - 20.10.2024		
13	October (21-26)	
		storing of the F1 seeds and selfing, consequences of hybridization
		Wide hybridization- Definition, types, main features, interspecific and intergeneric hybridization, its examples, incompatibility barriers for wide hybridization, Practical
DIWALI BREAK - 27.10.2024 - 03.11.2024		
14	November (4-9)	
		techniques for overcoming incompatibility barriers, achievements
		Methods of breeding in self-pollinated crops- Pure line selection, mass selection, pedigree method, bulk method
		Practical
		Practical
SUNDAY - 10.11.2024		
15	November (11-16)	
		Methods of breeding in cross pollinated crops- list of plant breeding methods for cross pollinated crops
		Methods of breeding in cross pollinated crops- list of plant breeding methods for cross pollinated crops 15.11.2024 - GURU NANAK DEV JAYANTI
		Practical
SUNDAY - 17.11.2024		
16	November (18-22)	
		Assignment
		test
		test
23.11.2024 - Examinations		

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UG (1st / III / V - Semester)

B.A 1st SEM

Name of the Paper:-

Sec(Basic It Tools)

Name of the Teachers (Section Wise) :

Ms.Preeti

WEEK	DATE	TOPICS
1	August (1-3)	Introduction to Computer: Computer and Latest IT gadgets,
SUNDAY - 04.08.2024		
2	August (5-10)	Evolution of Computers
		07.08.2024 - TEEJ
		its applications, Basics of Hardware and Software, Application Software, Systems Software, Utility Software
		lab
SUNDAY - 11.08.2024		
3	August (12-17)	Central Processing Unit,
		15.08.2024 - INDEPENDENCE DAY
		Input devices
		lab
SUNDAY - 18.08.2024		
4	August (19-24)	19.08.2024 - RAKSHABANDHAN
		output device
		Computer Memory
		lab
SUNDAY - 25.08.2024		
5	August (26-31)	26.08.2024 - JANAMASHTMI
		Mobile Apps.
		component of computer
		lab
SUNDAY - 01.09.2024		

6	September	(2-7)	Introduction to Operating System
			Functions of the Operating system
			Operating Systems for Desktop and Laptop lab
SUNDAY - 08.09.2024			
7	September	(9-14)	Operating Systems for Mobile Phone and Tablets
			User Interface for Desktop and Laptop
			Task Bar, Icons & shortcuts, Running an Application, lab
SUNDAY - 15.09.2024			
8	September	(16-21)	Operating System Simple Setting
			g, Changing System Date and Time, Changing Display Properties, To Add or Remove Program and Features, Adding, Removing & Sharing Printers, File and Folder Management.
			lab
SUNDAY - 22.09.2024			
HOLIDAY 23.09.2024 - SHAHEEDI DIVAS/HARYANA WAR HEROES' MARTYRDOM DAY			
9	September	(24-28)	
			test-1
			Introduction to Internet
			lab
SUNDAY - 29.09.2024			
10	September (30) October (1, 4-5))		World Wide Web, Basic of Computer Networks
			02.10.2024 - MAHATMA GANDHI JAYANTI
			03.10.2024 - (MAHARAJA AGRASEN JAYANTI)
			types of network lab
SUNDAY - 06.10.2024			

11	October	(7-11)	Assignment-1
			Local Area Network (LAN), Wide Area Network (WAN), Network
			network topology
			lab
HOLIDAY 12.10.2024 - (DUSSEHRA)			
SUNDAY - 13.10.2024			
12	October	(14-19)	Internet, Applications of Internet
			17.10.2024 - MAHARISHI VALMIKI JAYANTI/MAHARAJA AJMIDH JAYANTI
			Website Address and URL,
			lab
SUNDAY - 20.10.2024			
13	October	(21-26)	Popular Web Browsers (Internet Explorer/Edge, Chrome, Mozilla Firefox, Opera etc.),
			Popular Search Engines, Searching on the Internet.
			Popular Web Browsers (Internet Explorer/Edge, Chrome, Mozilla Firefox, Opera etc.),
			lab
DIWALI BREAK - 27.10.2024 - 03.11.2024			
14	November	(4-9)	Assignment-2
			E-mail: Using E-mails, Opening Email account,
			Mailbox: Inbox and Outbox,
			lab
SUNDAY - 10.11.2024			
15	November	(11-16)	Creating and Sending a new E-mail, replying to an E-mail message, forwarding an E-mail message, searching emails, Attaching files with email
			test-2
			Email Signature. Social Networking: Facebook, Twitter, LinkedIn, Instagram, Instant Messaging (WhatsApp, Facebook Messenger, Telegram), Introduction to Blogs
			15.11.2024 - GURU NANAK DEV JAYANTI
			lab
SUNDAY - 17.11.2024			
16	November	(18-22)	Digital Locker.
			Revision
			Revision
			Revision
			Revision
23.11.2024 - Examinations			