

<i>Semester</i>	<i>Paper Code</i>	<i>Paper Name</i>	<i>Unit</i>	<i>Course Outcome</i>
UG Semester VI	CC13 (TH)	IMMUNOLOGY	Unit 1	To study the basic concepts of immunology
			Unit 2	To understand the knowledge about immune cells and organs in human body
			Unit 3 & 4	To understand the different characters and aspects of antigens and antibody
			Unit 5	To understand the brief idea of major histocompatibility complex as well as antigen processing and presentation
			Unit 6	To have the knowledge about complement system
			Unit 7	To understand the basic ideas about the immune response generation
			Unit 8	To understand about different immunodeficiencies and cancer immunology and therapy
			Unit 9	To understand about different techniques to identify antigen-antibody interactions that can be used for diagnostic purposes
			CC13 (PR)	
	CC14 (TH)	MEDICAL MICROBIOLOGY	Unit 1	To understand the normal human microflora and their importance
			Unit 2	To understand the various processes of microbiological sample collection and transportation for diagnostic purposes
			Unit 3, 4, 5 & 6	To study about symptoms, mode of transmission, prophylaxis and control of some bacterial, viral, protozoan and fungal diseases
			Unit 7	To have the preliminary ideas about different types of antimicrobial agents
CC14 (PR)				1. To identify different bacteria by various physical and chemical methods. 2. To study the different techniques to detect antibiotic sensitivity. 3. To identify the bacterial flora of skin. 4. To study symptoms of the different diseases through photographs 5. To identify different stages of malarial parasites through permanent slides

UG Semester VI	DSE-A3 (TH)	PLANT PATHOLOGY	Unit 1	To know about plant pathogens, pathology and pathologists
			Unit 2	To understand how the plant disease develops and propagates in the host plant
			Unit 3	To study about plant disease related epidemiology
			Unit 4	To understand the mechanisms of pathogens to infect plants as well as resistance mechanisms of plant against those pathogens
			Unit 5	To understand the different techniques to control and prevent plant diseases
			Unit 6	To understand various plant pathogens and their life cycle in the host plant
	DSE-A3 (PR)		1. To understand Koch's postulates through different plant pathogens. 2. To study the important diseases of crop plants.	
	DSE-B3 (TH)	INSTRUMENTATION AND BIOTECHNIQUES	Unit 1	To understand the working principles and usage of different types of microscopes
			Unit 2	To understand the working principles and usage of different types of chromatography
			Unit 3	To understand the working principles and usage of different types of electrophoresis
			Unit 4	To understand the working principles and usage of different types of spectrophotometers
			Unit 5	To understand the working principles and usage of different types of centrifuge
	DSE-B3 (PR)		To understand the usage of different instruments in the research and clinical purposes	
	DSE-B4	PROJECT (Offered to the few students according to their cumulative performances in the previous semesters. They do not have to study DSE-B3)	1. To accustom with the environments of the laboratory. 2. To understand with the basic knowledge about the recent trends in the research field of microbiology.	