

Subject Title:	MICROBIOLOGY
Subject Code:	1PT1010201
Year:	Second Year
Pre-requisite Subject	- NONE -

Objectives of course:

At the end of the course the candidate will be able to

1. Have sound knowledge of the agents responsible for causing human infections pertaining to CNS, CVS, musculoskeletal and Respiratory system.

Teaching Scheme (Hours)			Evaluation Scheme (Marks)					
Lecture	Practical	Total	Theory(T)		Practical(P)		Total Marks	
			University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	Theory	Practical
50	-	50	40	10	-	-	50	-

Subject Contents			
Sr. No.	Topic	Total Hours	Weight (%)
1	General Bacteriology: 1. Introduction, historical background, classification of micro – organisms 2. Morphology of bacteria 3. Staining of bacteria 4. Sterilization 5. Cultivation and culture media		
2	Systemic Bacteriology: 1. Gram-Positive cocci – Streptococci, Pneumococci, Staphylococci 2. Gram-Negative Cocci – Gono and Meningo cocci 3. Gram-Positive Bacilli 4. Gram-Negative Bacilli-Typhoid, Cholera, Dysentery 5. Aerobic-Diphtheria, T.B., Leprosy 6. Anaerobic-Tetanus, Gas Gangrene, Botulism		
3	Immunology: 1. Immunity, Antigens 2. Antibodies, Ag-Ab Reaction 3. Agglutination, precipitation 4. Hypersensitivity reactions		
4	General Virology: 1. Poliomyelitis 2. Rabies 3. Demonstration of test in: diagnosis of AIDS, Hepatitis and Syphilis		
5	Parasitology: 1. Malaria 2. Amoebiasis 3. Round worm and loop worm		

6	Mycology: 1. Candidiasis 2. Ring worm 3. Scabies		
Total Hours		50	