

Biochemical technology division – first semester

Medical microbiology (theoretical)

No.	Items description
1	Historical review
2	Microbial requirement and inhibitors relationship with biosphere
3	Primary and secondary metabolism in normal distribution curve
4	Microbial genetics and reproduction
5	Translocation , pathogenesis and immunity
6	Protection . sterility and isolation
7	Bacterial infections
8	Rickettsiae and Chlamydia infection
9	Viruses, infection
10	Fungi infections
11	Protozoa infection
12	Sampling
13	Diagnosis tests of microbial infection
14	Immunization
15	Bacterial and bacteriostatic antibiotics
16	

Medical microbiology (practical)

No.	Items description
1	Kind of clinical laboratories ,, Gaudiness ; safety requirements & quality control of laboratory
2	Disinfection , Germicidal types and effectiveness
3	Laboratory equipments and air tests
4	Methods of specimens collection , handling and maintainans
5	Preparation utilization of media , pigments and reagents
6	Sensitivity tests methods, quality control on anti-microbial agents
7	Scientific journey
8	Microbiological water tests
9	Microbiological canned food tests
10	Microbiological skin tests
11	Microbiological septum tests
12	Microbiological mouth tests
13	Microbiological urine tests
14	Stool tests
15	Scientific journey
16	Reports and discussion