

B.Sc. in Medical Microbiology IST YEAR
HUMAN ANATOMY AND PHYSIOLOGY (BMM 101)

Course Outcomes

- Students will be able to learn the terminology of the subject.
- To Provide basic knowledge of cells, tissues, blood and to understand anatomy and physiology of human body.
- This subject will develop an understanding of the structure and function of organs and organ systems in normal human body.
- To provide knowledge about terminology and comprehensive knowledge of Human Anatomy & Physiology.

GENERAL PATHOLOGY AND GENERAL MICROBIOLOGY (BMM 102)

Course Outcomes:

- To provide knowledge of bacteria, Sterilization etc.

BASICS OF BIOCHEMISTRY INSTRUMENTS AND REAGENTS (BMM 103)

Course Outcome:

- To provide general insight and basic knowledge of basics of biochemistry.
- The students will be given the basic of knowledge of chemistry and metabolism of various metabolites.

QUALITY CONTROL AND BIOSTATICS (BMM 104)

Course Outcome:

- To train students in both theoretical and practical in the field of medical biochemistry.

B.Sc. in Medical Microbiology II YEAR

HEMATOLOGY, IMMUNOLOGY AND BLOOD TRANSFUSION (BMM 201)

Course Outcomes:

- To prepare the students for understanding of composition of blood.
- Students will learn basic haematological techniques. Students must be able to collect, preserve and process blood samples.
 - Students will be able to perform routine investigations in clinical hematology laboratories.

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SYSTEMIC BACTERIOLOGY (BMM 202)

Course Outcomes:

- To provide information about the different type of bacterial culture procedures and test used for identification of medically important bacteria.
 - To identify the indications for basic procedures, culture media and their preparations.

PARASITOLOGY (BMM 203)

Course Outcomes :

- To provide brief knowledge of parasites involved in human infections.
- To understand the life cycle and lab diagnosis of various important human parasites.

CLINICAL BIOCHEMISTRY (BMM 204)

Course Outcomes

- To identify the indications for basic procedures and perform them in appropriate manner.
- Subject will provide complete procedural knowledge used in Clinical Biochemistry.

B.Sc. in Medical Microbiology III YEAR

MYCOLOGY (BMM 301)

Course Outcomes:

- To provide brief introduction of general characteristics of medically important fungi.
- To provide laboratory diagnosis of various medically important fungi. To provide complete procedural investigation procedures of fungi causing human diseases

APPLIED MICROBIOLOGY (BMM 302)

Course Outcomes:

1. Urinary tract infections
2. Nosocomial infections/Health Care Associated Infections
3. Pyrexia of unknown origin
4. Immunization

AUTOMATION IN MEDICAL MICROBIOLOGY (BMM 303)

Course Outcomes:

- To provide brief knowledge (both theoretical and practical) about handling of diagnostic instruments.
- To make aware to students about latest technology used for various investigations.