

Department of Microbiology

All the first year MDS students of all departments will be having theory and practical classes of Microbiology from June to September of every year

History and Introduction.

- Morphology and physiology of bacteria.
- Sterilization and disinfection.
- Culture media and culture methods.
- Identification of bacteria.
- Bacterial genetics and drug resistance.
- Infection, immunity, structure and function of immune system.
- Antigens, Antibodies and Antigen-antibody Reaction.
- Complement system, immune response and immune deficiency diseases
- Hypersensitivity.
- Autoimmunity.
- Immunohaematology.
- Staphylococcus, Streptococcus, Pneumococcus, Gonococcus, Meningococcus.
- Corynebacterium diphtheriae.
- Clostridium.
- Mycobacterium – Tuberculosis and Leprosy.
- Spirochetes – Treponema pallidum, Borrelia vincenti.
- Actinomycetes.
- General properties of viruses, virus host interactions, virus infections
- Viral infections affecting oral cavity.
- Laboratory diagnosis, chemotherapy and immune prophylaxis in general.
- Fungal infections affecting oral cavity.
- Protozoa and helminthes.
- Normal microbial flora of human body and oral cavity.