

**School Name: School of Health Sciences**

**Program Name: BMLT**

**Course Title: Microbiology, Immunology & Serology- 1**

**Course Code: BHMT-303**

**Semester: III**

- What do you understand by the term microbiology?
- Give any two functions of antiseptics.
- What are immunoglobulin's?
- Name any two rheumatological diseases.
- What is sterilization?
  - Explain the structure of bacteria along with its neat and clean diagram.
- Differentiate between gram positive and gram negative bacteria.
- Write a short note on superantigens.
- Explain sandwich ELISA.
- Explain spores and its types.
  - What is microscope? Explain its parts, working ,care and maintenance along with diagram.
- Discuss the different types of immunoglobulins along with diagram.
- Explain agglutination and precipitation reactions.
- What is bacterial capsule?
- What do you understand by the term disinfection?
- Name five types of antibodies.
- Define the serology
- What is hot air oven?
- What are the different parts of microscope?
- Explain the physical methods of sterilization.
- Differentiate between cell mediated and humoral immune response
- Discuss the indirect ELISA
- Explain agglutination reaction.
- Discuss the structure of gram positive and gram negative cell wall.
- Describe the principle and procedure of ELISA test.
- Explain bacterial taxonomy.