**6th Semester (Batch: 32nd)**

**1. Subject:** Practical

**Subject Teacher**: Najmun Nahar

**Assignment Topic:**

1. Practical Notebook writing

**2. Subject:** Medical Microbiology-I

**Subject Teacher**: Md. Shah Alam

**Assignment Topic:**

1. The Cocci of Medical Importance: Gram-Positive Cocci - *Staphylococcus; Streptococcus* and *Enterococcus*; Gram-Negative Cocci – *Neisseria*.
2. The Gram-Positive Bacilli of Medical Importance: Endosporeformers – *Bacillus* and *Clostridium*; Non-spore-forming Rods – *Listeria, Corynebacterium, Propionibacterium* and *Mycobacterium;* Diseases Caused by *Actinomycetes – Actinomyces* and *Nocardia.*

**3. Subject:** Medical Microbiology-I

**Subject Teacher**: Md. Shah Alam

**Assignment Topic:**

1. **The Drug Development Process:** Introduction; Discovery of Biopharmaceuticals; The Impact of Genomics and Related Technologies upon Drug Discovery; Gene Chips; Proteomics; Structural Genomics; Pharmacogenetics; Initial Product Characterization; Patenting; Delivery of Biopharmaceuticals; Preclinical Studies; Pharmacokinetics and Pharmacodynamics; Toxicity Studies; The Role and Remit of Regulatory Authorities.

**4. Subject:** Industrial Microbiology

**Subject Teacher**: Dr. Farah Zereen

**Assignment Topic:**

1. Antibiotics
2. Vinegar

**5. Subject:** Immunology-I

**Subject Teacher**: Dr. Bijin Kumar Sil

**Assignment Topic:**

1. Immunoglobulin: Basic structure and function of immunoglobulin, classes and subclasses, physiological properties.
2. Antigens: General properties of antigens, antigenic determinants, haptens.
3. Membrane receptor: B cell surface receptors for antigens, T cell receptors (TCR major histocompatibility complex (MHC), antigens structure, functions of MHC class I and MHC class II molecules.

**6. Subject:** Enzymology

**Subject Teacher**: Md. Rezaul Alam

**Assignment Topic:**

1. Enzyme structure, different features (1 page, handwritten)
2. Application of enzymes in diagnostics and industries (1 page)

**\***Assignment must be different for each student and it should be handwritten.

\*\*\*You have to submit all the assignments on the opening day of the University after the coronavirus outbreak. If anybody faces any difficulties to prepare the assignment don't hesitate to contact the subject teacher over the phone or through email. **#Stay Home. #Stay Safe.**