**MS 1st Semester**

**1. Subject:** Molecular Genetics

**Subject Teacher**: Mahmudul Hasan Masud

**Assignment Topic:**

1. **Translation:** The Overall Process of Protein Synthesis.

2.The Genetic Code.

3. **Molecular Techniques**: RFLP, Construction of cDNA library. Gene Splicing Mechanism.

**2. Subject:** Analytical Microbiology (Microb. 5102)

**Subject Teacher**: Najmun Nahar

**Assignment Topic:**

1. Electrophoretic techniques.

2. Cell culture.

**3. Subject:** Microbial safety of food and beverages

**Subject Teacher**: Md. Sah Alam

**Assignment Topic:**

1. Define indicator bacteria, Importance of indicator bacteria.
2. Food spoilage with flow chart.
3. Worldwide Fermented Food.

**4. Subject:** Immunopathology and Vaccine Development

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

**Assignment Topic:**

1. Granulomatous Diseases.
2. Vaccine safety & efficacy.

**5. Subject:** Microbiological Techniques

**Subject Teacher**: Prof. Dr. Md. Mustafizer Rahman

**Assignment Topic:**

1. Long time preservation of microbial culture.
2. Collection, shipment and possessing of virological sample.
3. Physical and chemical methods of microbial control.

**6. Subject:** Environmental Biotechnology (Microb. 5104)

**Subject Teacher**: Md. Rezaul Alam

**Assignment Topic:**

1. How environment affects our survival in modern earth (2 pages, handwritten)
2. Is climate change a myth or reality, explain (2 pages, handwritten)

**\***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.**