**5th Semester (Batch: 33rd)**

**1. Subject:** Virology-II

**Subject Teacher**: Mahmudul Hasan Masud

**Assignment Topic:**

1. HTLV-genome structure and replication.
2. Uses of retroviruses: gene therapy and genetic engineering.
3. SARS-CoV-2: Types, Structure, Epidemiology, pathogenicity, and treatment.
4. Non-oncogenic retrovirus: HIV-structure, genome organization, transmission and epidemiology, disease pathogenicity, treatment and vaccine approaches.

**2. Subject:** Food Microbiology-II

**Subject Teacher**: Mahmudul Hasan Masud

**Assignment Topic:**

1. Fish poisoning: Microbial spoilage of fish.
2. Mechanisms of food preservation procedures.
3. Detection and control of food poisoning.

**3. Subject:** Practical

**Subject Teacher**: Mahmudul Hasan Masud

**Assignment Topic:**

1. Practical Note Book preparation

**4. Subject:** Molecular Genetics (Microbiol-3502)

**Subject Teacher**: Dr. Donald James Gomes

**Assignment Topic:**

1. Control of Gene Expression in Prokaryotes
2. Gene Mutations

**5. Subject:** Fermentation Technology (Microbiol-3504)

**Subject Teacher**: Dr. Donald James Gomes

**Assignment Topic:**

1. Downstream Processing

**6. Subject:** Agricultural Microbiology

**Subject Teacher**: Dr. Syed Anwar Hussain

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**Assignment Topic:**

1)      Bio Fertilizer.

2)      Pest and pesticides.

3)      Agri. Compost.

NB; Everything about these topics.

**\***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.**