**Final term Examination (Spring 2020)**

**Course Title: Soil Microbiology**

**(BS. Microbiology 6th)**

**Instructor: MR. AMIR AFZAL KHAN**

**Time: 6 hour Max Marks: 50**

**Note:**

* **Attempt all questions from this section, all questions carry equal marks.**
* **Answer Briefly and to the point, avoid un-necessary details**

Case Study #2

September 24, 2015

populations can overgrow and produce their enterotoxins. These toxins released are ultimately

responsible for the diarrhea symptoms of the host.

6. What is the major virulence factor for this microorganism?

# Q1: Explain microbial remediation, microorganisms used in bioremediation, and degradation of heavy metal and pesticide in detail.

# Q2: What is Biofertilizer, explain in detail the benefits of biofertilizer, and Different modes of interactions between biofertilizers and plants.

Q3: Write in detail the Biotechnological application of soil microorganisms.

Q4: What are water logging, causes of water logging, and the effect of water logging on plant growth.

Q5: Write a detailed note on the Mycorrhizal association.