



Instructions

Answer four (04) questions

No. of questions : Five (05)

No. of pages : One (01)

Total marks allocated : 100%

Time : Two hours (2hrs)

1. What are the factors in food that support the growth of microorganisms?. Explain.

2. What is decomposition?. Discuss the role of microorganisms in the mineralization of organic compounds.

3. What are the microbial nitrogen fixing systems existing in the environment?. Explain, how symbiotic nitrogen fixers convert atmospheric nitrogen into available form to plants ?.

4. Write short notes on two (2) of the following:
 - a) Biofertilizer
 - b) Rhizosphere engineering
 - c) Benefits of mycorrhizal associations to plants.

5. Write an essay on "The Role of microorganisms in the cycling of bio elements".