

**Instructions:**

Read the question paper carefully. Write neatly and legibly. Do not over write. Pay special attention to spelling. Read the answers before submitting the answer sheet.

**I. Name these:**

1. Five kingdoms under the recent scheme of classification.
2. Five division of kingdom plantar.

[4]

**II. Fill in the blanks.**

- a) The first antibiotic penicillin was discovered by \_\_\_\_\_.
- b) \_\_\_\_\_ is a unicellular fungus.
- c) The curd from which moisture has been removed termed as \_\_\_\_\_.
- d) The hormone \_\_\_\_\_ was the first substance produced by Escherichia coli.

[4]

**III. Answer the following.**

- 1) Draw a diagram showing the Nitrogen cycle and answer the following.

[4]

i. Define the terms.

- a) Denitrification
- b) Nitrification

- 2) Differentiate between:

[4]

- a) Decay and Putrefaction.
- b) Saprophyte and Parasite.

- 3) Rearrange the following categories of classification in their proper sequence starting with the highest species, family, phylum, class, order, genus.

[2]

- 4) Define:-

[2]

- a) Pasteurization
- b) Antibiotics