



Final Examination / 2nd Semester (2022- 2023)

Q1/Answer the following: - (28 Marks)

1. Why Study Food Microbiology? **(8 Marks)**
 2. What organisms are studied in food microbiology? **(7 Marks)**
 3. Define the Strain? **(5 Marks)**
 4. **How can you difference between Fission yeasts and Budding yeasts? (8 Marks)**
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Q2-Completes the following: -(21 Marks)

1. The most important clostridium bacterial family 1-.....
2-.....3-.....
 2. Taxonomy: is the study of between organisms.
 3. Black pigment Melanin produced by
 4. Septate hyphae :Cells are divided by
 5.: causes human tuberculosis diseases.
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Q3-Enumerate of this following: - (26 Marks)

1. Enumerate the Important Yeast Genera. **(6 Marks)**
2. Enumerate the genera of this family Enterobacteriaceae? **(8 Marks)**

3. Enumerate the Importance of Micro-Organisms in Food? **(12Marks)**

Q4- Answer the following: (25 Marks)

1. The intrinsic parameters of foods. **(6 Marks)**

2. The extrinsic parameters of foods. **(4 Marks)**

3. Groups of bacteria according to oxygen (O₂) requirements.

(5 Marks)

4. There are four basic methods used to count or estimate the total numbers of microbes present in a food. **(6 Marks)**

5. Alterations associated with meat spoilage. **(4 Marks)**

Good luck

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