

# School of Agriculture

Agriculture  
ETE - Jun 2023

Time : 3 Hours

Marks : 50

## Sem VI - AGRI3020 - Principles of Food Science and Nutrition

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- |     |  |            |
|-----|--|------------|
| 1.  | Define water activity  | K1 CO1 (2) |
| 2.  | Explain the endosmosis and exosmosis.  | K2 CO1 (2) |
| 3.  | Explain the following terms:<br>Food Science and malnutrition.   | K2 CO1 (2) |
| 4.  | Define fermentation  | K1 CO1 (2) |
| 5.  | Define density.  | K1 CO1 (2) |
| 6.  | Identify the factors that can hinder the growth and activity of microorganisms under anaerobic conditions. | K3 CO2 (5) |
| 7.  | Identify the physical method used for food preservation on the basis of food preservation principles.      | K3 CO2 (5) |
| 8.  | Classify the nutritional problem occurred in human body.   | K4 CO3 (6) |
| 9.  | Construct the different form of conjugated proteins based on the nature of the prosthetic group.           | K3 CO2 (8) |
| 10. | Explain the classification of according to their function.   | K4 CO3 (8) |
| 11. | Conclude the industrial significance of <i>Saccaromyces</i> yeast.   | K5 CO4 (8) |