

# School of Basic and Applied Sciences

BioScience  
ETE - Jun 2023

Time : 3 Hours

Marks : 100

## Sem IV - C2UF403T - Nutraceuticals and Functional Food

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

1. What do you understand by Lycopene. Explain with proper definition. K2 CO2 (5)
2. Describe the history of functional foods. K1 CO1 (5)
3. What is Osteoporosis. Write down its complications. K1 CO3 (5)
4. Briefly explain the antinutritional factors present in different food groups. K2 CO4 (10)
5. What are natural flavour modifiers. Explain with example of artificial flavour modifiers. K3 CO5 (10)
6. Briefly explain any five nutraceuticals or functional foods present in local markets with their health claims. K4 CO6 (10)
- 7) Discuss the functional foods or nutraceuticals on the basis of 1) Specific foods 2) Mechanism of action K3 CO1 (10)

**OR**

- What is Glucosamine. Write down the importance of glucosamine in treatment of different disease. K3 CO2 (10)
8. Discuss the importance of Flax seed oil as nutraceutical. Write down the health benefits of flax seed oil. K4 CO2 (15)
  - 9) What is the meaning of ABCD in nutritional assessment. Explain all methods of anthropometric measurement in detail. K4 CO5 (15)

**OR**

- Discuss about some Nutraceutical rich supplements e.g. Bee pollen, Caffeine, Green tea, Lecithin, Mushroom extract, Chlorophyll, Kelp and Spirulina etc K4 CO4 (15)
10. Discuss the functional foods obtained through different Modifications in Foods with suitable example of each. K3 CO1 (15)