

**Third Semester FYUGP Degree Examination NOVEMBER
2025**

KU3DSCMBG203 - MICROBES IN DAILY LIFE

2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. Define anaerobic sludge digestion.
2. What is the importance of sewage treatment?
3. What is irradiation?
4. Define blanching.
5. What does HACCP stand for?
6. Name one nutraceutical compound obtained from turmeric.
7. Define food infection and give one example.
8. Differentiate between ectomycorrhiza and arbuscular mycorrhiza.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Analyze the interrelationship between ISO 22000, HACCP, and GMP in ensuring safe food supply.
10. Explain the role of GMP in maintaining hygiene in food industries
11. Discuss the potential risks and public concerns associated with GM foods.
12. Differentiate between the symptoms of cholera and typhoid.
13. Compare the effectiveness of Rhizobium inoculants with chemical nitrogen fertilizers.
14. Analyze the role of heterocysts in cyanobacterial nitrogen fixation.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Describe the structure and functioning of a trickling filter with a diagram.
16. Discuss various methods used for food preservation