

## KERALA AGRICULTURAL UNIVERSITY B.Tech.(Food Technology) 2021 Admission VI Semester Final Examination – June 2024

Pafe.3236

Emerging Methods of Food Preservation (2+1)

Marks: 50 Time: 2 hours

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ī	1. 2. 3. 4. 5. 6. 7. 8. 9.	is also known as "Cold Sterilization".  Papain is an enzyme obtained from	10x1=10
II	1. 2. 3. 4. 5. 6. 7.	Write short notes on ANY FIVE of the following What is Hurdle Technology? What is the principle of pulsed electric field sterilization of food? Describe oscillating magnetic field sterilization. What are chemical preservatives? What do you mean by Radappertization? Generation and applications of ozone in food industry.	(5x2=10)
III	1. 2. 3. 4. 5. 6. 7.	Answer ANY FIVE of the following Discuss direct and indirect effect of ionizing radiation on food. Write a brief note on cold plasma technique of food preservation. Discuss the role of enzymes in food processing and preservation. Explain Radio Frequency heating of food and its applications. Discuss the principles of food preservation. Elaborate the role of ultrasound in food preservation. Explain mechanisms of microwave heating.	5x4=20)
IV	1. 2.	Write an essay on ANY ONE of the following	x10=10)

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