



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2021 Admission
IV Semester Final Examination – August 2023

Pafe.2219

Food Biochemistry and Nutrition (2+1)

Marks: 50
Time: 2 hours

- I Fill in the blanks (10x1=10)**
1. are constituent of nucleic acids.
 2. The monosaccharide unit in chitin is
 3. Albumin is deficient in
 4. Casein is a
 5. Erucic acid is present in
 6. wax is known as Queen of Waxes.
 7. Body building foods are rich in
 8. Father of canning
 9. Cider is prepared from
 10. Expand ICMR.....
- II Write short notes on ANY FIVE of the following (5x2=10)**
1. Write note on occurrence and importance of lipid.
 2. What are Glycerophospholipids ?
 3. Define rancidity and its types.
 4. Explain functions of food and give examples.
 5. List out the types of dryers and explain about tray dryer.
 6. Write the difference between kwashiorkor and marasmus.
 7. What are simple proteins?
- III Answer ANY FIVE of the following (5x4=20)**
1. Explain in detail about Glycolysis.
 2. Briefly explain about digestion and absorption of Protein.
 3. Discuss about mechanism action of enzyme.
 4. Describe the biosynthesis of fatty acid.
 5. Write in detail about electron transport chain and oxidative phosphorylation.
 6. Enumerate in detail about water intake and losses.
 7. Write about structure of protein.
- IV Write an essay on ANY ONE of the following (1x10=10)**
1. Explain in detail about classification of carbohydrate and its functions.
 2. Enumerate in detail about metabolism of protein- Transamination, Deamination and Decarboxylation.
