



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engg. & Technology)
VIII Semester Final Re- Examination – July 2023
2019 Admission

Fdqu.1201

Fundamentals of Biochemistry (2+1)

Marks: 80
Time: 2 hours

I Fill in the blanks

(10x1=10)

1.is an example of purine.
2. Starch contain amylose and
3. enzyme catalyses hydrolysis of lipid.
4. B oxidation of fatty acid takes place in
5. The site at which substrate bind to the enzyme is

State True or False

6. Maltose is a disaccharide.
7. A helix is an example of secondary structure of protein.
8. Biotin is involved in carboxylation reaction.
9. Enzyme increases the activation energy.
10. The number of ATP molecules produced in TCA cycle is 18.

II Write short notes on ANY FIVE of the following

(5x2=10)

1. Coenzymes
2. Classification of monosaccharide
3. Emulsification of lipid
4. Enzyme inhibition
5. What are the nitrogenous bases in DNA?
6. Glycolipids
7. What are polysaccharides?

III Answer ANY FIVE of the following

(5x4=20)

1. Classification of amino acids
2. Explain the different types of RNA.
3. Write down the classification of protein based on their biological functions.
4. What are factors affecting enzyme activity?
5. Outline β oxidation of fatty acid
6. What are the properties of lipid?
7. Explain the complexes of Electron Transport Chain.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Explain Tricarboxylic Acid cycle and its energetics.
2. Classification of lipids
