



UNIT 3

- LIPID METABOLISM

10 MARKS

1. (a) What are lipids? Classify them with examples.*
(b) Describe the β oxidation of fatty acids write the energetics for palmitic acid oxidation*.
2. Explain De novo synthesis of fatty acids. (OR)
Explain the De novo synthesis of Palmitic acid

5 MARKS

1. Summarise ketogenesis.
2. Fatty liver.
3. What are Glycolipids? Explain with suitable examples
4. Write the conversion of cholesterol to Vitamin D3.
5. Explain the conversion of cholesterol into steroid hormones and write its significance.
6. What are phospholipids? Describe the classification and functions of any two Phospholipid
7. Explain any two disorders of lipid metabolism
8. Lipoproteins.

2 Marks

1. What is fatty liver?*
2. Role of Carnitine.
3. What is ketoacidosis?*
4. Hypercholesterolemia
5. What is Atherosclerosis**?
6. Ketogenesis*
7. Lipoprotein
8. What are essential fatty acids
9. Obesity.
10. Functions of cholesterol

1. ic applications of enzymes