

Rajiv Gandhi University of Health Sciences, Karnataka
M.D. Degree Examination – 16-Nov-2019

Time: Three Hours**Max. Marks: 100 Marks**

BIOCHEMISTRY - PAPER – III
Enzymes, Nutrition and Specialized Tissues
Q.P. CODE: 7317

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions**10 X 10 = 100 Marks**

1. Describe the sources, carriers and end products of 1 – Carbon atoms.
2. Explain 'Futile' cycles in metabolic pathways with suitable examples.
3. Adipose tissue is an endocrine organ – justify
4. Metabolism and biochemical function of Vitamin K
5. Mechanism of action of enzymes
6. Discuss the metabolic functions of bone.
7. Fatty liver disease
8. Describe the structure, composition and functions of RBC.
9. Principles of Total Parenteral Nutrition
10. Write the energetics of gluconeogenesis from the following substrates:
a) Pyruvate b) Glycerol c) Alanine d) Oleic acid

* * * * *