

Rajiv Gandhi University of Health Sciences, Karnataka
M.D. Degree Examination – 14-Nov-2019

Time: Three Hours

Max. Marks: 100 Marks

BIOCHEMISTRY - PAPER – II
Intermediary Metabolism and Biochemical Genetics
Q.P. Code: 7316

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. What is detoxification and explain how it is carried out in the body?
2. Cell cycle and its regulation
3. Explain the molecular basis of antibody diversity.
4. Hyperphenylalaninemia
5. Describe the mechanisms of electron transport and oxidative phosphorylation.
6. Explain the steps and energetics of oxidation of Palmitic acid and Oleic acid.
7. Explain alternative splicing of mRNA with example.
8. RB1 gene and its role in tumor genesis
9. Discuss the structure, function and synthesis of glycogen.
10. Types and functions of RNA

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