

Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – MAY-2019

[Time: 3 Hours]**[Max. Marks: 100]**

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. Discuss phenyl alanine is a partly glucogenic and partly ketogenic amino acid.
2. What are trans fatty acids and discuss how it affect health.
3. Write the formation and functions of polyamines.
4. Discuss the metabolic consequences of ingestion of large quantity of fructose.
5. Write the components of electron transport chain and discuss how cyanide acts as a poison.
6. Discuss the metabolism of pyrimidine and add a note on related metabolic disorder.
7. Write in detail about the disorders due to defective protein targeting.
8. Discuss about organic acidurias.
9. Describe the metabolism of adipose tissue in fasting and well fed conditions.
10. Describe the free radical scavenging mechanism in biological system.

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