

Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - June/July 2009

Time : 3 Hrs.

[Max. Marks : 90]

Biochemistry [Old Scheme]

QP Code - 1005

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

LONG ESSAY

2 X 10 = 20 Marks

1. Describe the process of ketogenesis and ketolysis. Write a note on Ketosis
2. Describe the different types of enzyme inhibitions and its role in clinical medicine

SHORT ESSAY

10 X 5 = 50 Marks

3. Detoxification by conjugation
4. Metabolic changes in prolonged starvation
5. Glucose tolerance test
6. Atherosclerosis
7. Glycosuria
8. Genetic code
9. Niacin
10. Transamination and deamination
11. Antibiotics affecting protein synthesis
12. Galactosemia

SHORT ANSWERS

10 X 2 = 20 Marks

13. Define and write normal value of insulin clearance
14. Functions of cholesterol
15. Name any two biologically important peptides and write their functions
16. Substrate level phosphorylation
17. How is bilirubin conjugated?
18. Normal level of serum transaminases and their clinical significance
19. Write the components and principle of Colorimeter
20. What are oncogenes? Give two examples
21. What is respiratory acidosis? Give two causes
22. What is transmethylation? Give two examples

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