Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - I Degree Examination - Dec-2014

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. What is Uremia? Describe the reactions of Urea cycle, regulation and consequences of metabolic defects in urea formation

2. Explain the steps of glycogenolysis, how it is regulated in liver and in muscle during physical exercise

SHORT ESSAY   **10 X 5 = 50 Marks**

3. DNA Repair
4. Classify enzymes with suitable example
5. Prostaglandins
6. Degradation of Heme
7. Anion gap
8. Beta Oxidation of Fatty acids
9. Biochemical functions of pyridoxine
10. Substrate level phosphorylation
11. Post transcriptional modifications
12. Phospholipids

SHORT ANSWERS   **10 X 2 = 20 Marks**

13. Lipases
14. Mitochondria
15. Name carbon and nitrogen sources of purine ring
16. Define pH, what is normal pH of blood
17. Homo cysteinuria
18. Invert sugar
19. Reverse transcriptase
20. Starch, glycogen give similarities and differences
21. Name bonds in primary structure of proteins
22. Beriberi

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