

149-NR

M.D. DEGREE EXAMINATION – OCTOBER, 2014

BIOCHEMISTRY

Paper-II : Chemistry and Metabolism.

Time: 3 Hours

Max. Marks: 100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) What is Transamination? Explain by giving two examples
- 2) Explain the Digestion and Absorption of carbohydrates
- 3) Enumerate two hormones which affect Calcium and phosphorus metabolism. Write how these hormones regulate them in the body.
- 4) Explain antioxidant defence mechanism in biological system
- 5) Describe the formation and excretion of Bilirubin. Explain the significance of serum bilirubin and urobilinogen in the diagnosis of various types of jaundice.
- 6) Starvation induced Ketonaemia
- 7) Describe the Salvage pathways for Purine and Pyrimidine synthesis.
- 8) Role of Kidney in blood p^H regulation
- 9) Define Enzymes. Classify enzymes according to IUB system with one example each. Write three enzymes commonly estimated after myocardial infarction
- 10) Functional classification of Proteins. Enumerate Essential amino acids
