

149-NR

M.D. DEGREE EXAMINATION – APRIL, 2015

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) Classify Aminoacids based on structure and on polarity.
- 2) Glucose transporters.
- 3) Allosteric regulation of Enzyme activity.
- 4) Multienzyme complexes.
- 5) Write the steps involved in degradation of Purines. Add a note on causes and features of Gout.
- 6) Lysosomal storage disorders.
- 7) Ketone body metabolism.
- 8) Phenylketonuria.
- 9) Gene therapy.
- 10) Metabolism of Tryptophan, important compounds synthesized and its related disorders.

---