



Code No. : 9269

FACULTY OF SCIENCE
M.Sc. II Semester Examination, May/June 2012
BIOCHEMISTRY
Paper – IV : Clinical Biochemistry

Time: 3 Hours]

[Max. Marks : 80

SECTION – A

Answer **all** questions.

(8×4=32 Marks)

1. Composition of Blood.
2. Plasma protein and their role.
3. Liver function tests.
4. Biotransformation.
5. Tumor markers.
6. Pancreatic function tests.
7. Name any four enzymes and their clinical significance.
8. Outline basic steps in enzyme analysis.

SECTION – B

Answer **all** questions.

(4×12=48 Marks)

9. a) Outline various steps involved in blood coagulation.
OR
b) Describe various mechanism involved in maintaining electrolyte and acid base balance in body fluids.
10. a) How insulin regulates carbohydrates metabolism ?
OR
b) Outline various modes of Biotransformation.
11. a) Diagnostic method used in detection of HIV and thalassemia.
OR
b) Write a note on :
 - i) Urine analysis.
 - ii) Cerebrospinal fluid.
12. a) Write a note on metabolic diseases associated with aromatic amino acid metabolism.
OR
b) LDH in clinical diagnosis.

Handwritten notes: 12, 6, 12x, 10, 46, 24, 10/12, 12-10