



FACULTY OF SCIENCE
B.Sc. III Year Examination, March/April 2012
BIOCHEMISTRY

(Paper – III) (Physiology, Clinical Biochemistry and Immunology)

Time: 3 Hours]

[Max. Marks: 100

SECTION – A

(8×5=40 Marks)

Answer any eight from the following :

1. Give an account on carbonic anhydrase activity.
2. Write the short notes on the muscle proteins, Actin Myosin.
3. Write the short notes on the Neurotransmitters.
4. Haptens.
5. ELISA.
6. Adjuvants.
7. Give an accounts on plasmaproteins.
8. Write the short notes on the vitamin-A.
9. What is C-reactive proteins ?
10. Write the short notes on the diabetes mellitus classification.
11. What are the essential fattyacids involved in human nutrition ?
12. Give an account on malnutrition.

SECTION – B

(4×15=60 Marks)

Answer all questions :

13. a) Write an essay on neuron structure and show the presynaptic and post synaptic cleft with diagramatical representation.

OR

- b) Write an essay on pituitary gland secreting harmones.

14. a) Write the structure and biochemical functions of the vitamin B12

OR

- b) What is balanced diet ? Write about calorific values determination by bomb calorimeter.

15. a) Write an essay on different liver diseases.

OR

- b) Explain the disorders of carbohydrate metabolism.

16. a) Explain the different types of Hypersensitivity reactions.

OR

- b) Write an essay on different types of immunoglobulins .