

Code No. 1550

FACULTY OF SCIENCE
B.Sc. III – Year Examination, March / April 2014
Subject: Biochemistry
Paper – III
Physiology, Clinical Biochemistry and Immunology

Time: 3 Hours

Max.Marks: 100

PART – A (8 x 5 = 40 Marks)
Answer any EIGHT questions from the following.

Give an account on the following:

- 1 Discuss the mechanism of blood coagulation
- 2 Synapse
- 3 Visual pigments
- 4 Determination of calorific values of foods
- 5 Marasmus
- 6 Recommended dietary allowance for children
- 7 Disorders of blood coagulation
- 8 Liver function tests
- 9 Outline the biochemical tests for the diagnosis of heart diseases
- 10 Classification of immunoglobulins
- 11 Monoclonal antibodies
- 12 Graft rejection

PART – B (4 x 15 = 60 Marks)
Answer ALL questions.

- 13 (a) Explain the physiological functions of thyroid hormones and disorders associated with thyroid gland.
OR
(b) Describe the signal transduction mechanism of adrenaline.
- 14 (a) Give an account on physiological role and deficiency disorders of fat soluble vitamins.
OR
(b) Comment on physiological significance of trace elements in humans.
- 15 (a) Explain the structure and function of kidney with a neat diagram.
OR
(b) Discuss about the disorders of carbohydrate metabolism.
- 16 (a) Write a note on immunodiagnostics and its applications.
OR
(b) Give an account on types of hypersensitivity reaction.
