

Code No. 3341

FACULTY OF SCIENCE

B.Sc. VI – Semester (CBCS) Examination, May / June 2019

Subject : Biochemistry

(DSC) Paper – VII

Nutrition and Immunology

Time : 3 hours

Max. Marks : 60

Part – A (5 x 3 = 15 Marks)
(Short Answer Type)

Answer any Five of the following questions.

- 1 Sources of complete and incomplete proteins
- 2 Essential fatty acids in human nutrition
- 3 Innate immunity
- 4 Haptens and Adjuvants
- 5 Agglutination
- 6 Blood group antigens
- 7 Balanced diet
- 8 Structure of IgM

Part – B (3 x 15 = 45 Marks)
(Essay Answer Type)

Answer ALL questions from the following :

- 9 a) Explain the energy requirements and RDA for Children and Adults.
OR
b) What is BMR? Explain various factors affecting the BMR.
- 10 a) Discuss in detail the cell mediated and humoral immunity.
OR
b) Write about the production and applications of monoclonal antibodies.
- 11 a) Explain in detail the antigen-antibody reactions.
OR
b) What are vaccines? Explain in detail the recombinant and peptide vaccines.
