FACULTY OF SCIENCE
M.Sc. III - Semester Examination, January 2018

SUBJECT: BIO CHEMISTRY
PAPER - III: NUTRITION AND CLINICAL BIOCHEMISTRY

Time: 3 Hours
Max Marks: 80

Note: Answer all question from Part - A and Part - B.
Each question Carries 4 marks in Part - A and 12 marks in Part - B

PART - A (8 x 4 = 32 Marks)
(Short Answer Type)

1. Hormones in digestion
2. P E M
3. Food Adulteration
4. Prebiotics
5. A cult Hemoglobin
6. Acid Base balance
7. T3 and T4 – test
8. Pregnancy test

PART - B (4 x 12 = 48 Marks)
(Essay Answer Type)

9 a) Write about Clinical testing and biochemical testing methods for nutritional assessment

(OR)

b) Write about different types of diabetes and regulation of blood glucose concentration

10 a) Discuss about the nutrients contents of cereals and pulses and discuss about the importance of nuts and fibre.

(OR)

b) Explain the role of nutraceuticals and their disease treatment taking an example of Fenugreek and alpha - alpha

11 a) How do you asses quality control in clinical biochemistry labs? Explain.

(OR)

b) Give an account of electrolyte balance in the body

12 a) Write about liver function tests in relation to disease diagnosis

(OR)

b) Write a brief account on the following

(i) SGPT and Alkaline phosphatase
(ii) Enzymes as tumor marks

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