

Roll No.

003015

Y-2254

B. Sc. (Part III) EXAMINATION, 2015

BIOCHEMISTRY

Paper Second

(Nutritional, Clinical and Environmental Biochemistry)

Time : Three Hours]

[Maximum Marks : 50

Note : All questions are compulsory. All questions carry equal marks.

1. (a) Define Nutrition. What factors affect food acceptance ? 7

(b) What are protective foods ? 3

Or

(a) What is the Balanced Diet ? 4

(b) Discuss the RDA for an average Indian. 6

2. (a) What is Basal Metabolism ? 3

(b) How will you measure BMR ? 7

Or

What is Malnutrition ? What are its implications and relationship with dietary habits ? How will you prevent it ? 10

3. (a) Discuss collection of biological fluids. 5

[2]

(b) How will you preserve them ? 5

Or

Write short notes on the following : 5 each

(a) Urea clearance test

(b) Manual vs. Automation in clinical laboratory

4. Write short notes on the following : 5 each

(a) Glycogen storage diseases

(b) Inborn errors of amino acid metabolism

Or

(c) Liver function tests 5

(d) Enzyme pattern in health and disease 5

5. (a) What are Particulate Matter ? 2

(b) How do you estimate it ? 5

(c) What is their effect on the atmosphere ? 3

Or

What are the major pollutants in domestic and agricultural wastes ? What are their effects on plants and animals ? 10

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200

A-85