

Roll No.

[2]

Unit—III

D-3734

B. Sc. (Part III) EXAMINATION, 2020

BIOCHEMISTRY

Paper Second

(Nutritional, Clinical and Environmental Biochemistry)

Time : Three Hours] [Maximum Marks : 50

Note : Attempt all the *five* questions. *One* question from each Unit is compulsory. All questions carry equal marks.

Unit—I

1. What are Vitamins ? Describe the biological role and functions of Vit. K and Vit. D.

Or

Write short notes on the following :

- (a) Recommended Dietary Allowances (RDA)
- (b) Body building foods

Unit—II

2. Give a detailed account on the measurement of energy expenditure by direct and indirect calorimetry.

Or

Write short notes on the following :

- (a) Planning of dietary regimes for infants
- (b) Food adulterations and precautions

(B-4) P. T. O.

3. Write short notes on the following :
- (a) Automation in clinical laboratory
 - (b) Collection and preservation of CSF

Or

Write short notes on the following :

- (a) Chemical analysis of urine
- (b) Normal value of important constituents in plasma

Unit—IV

4. Write short notes on the following :
- (a) Lipid mal-absorption
 - (b) Hyperglycemia

Or

Write short notes on the following :

- (a) Kidney function test
- (b) Diagnostic test for isoenzymes

Unit—V

5. Describe various methods, which are used for the estimation of air pollutants.

Or

Describe the effects of water pollution on plants and animals.

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