

Roll No. ....

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**Unit—III**

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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**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

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**(B-4) P. T. O.**

**(B-3)**