

Enrollment No: \_\_\_\_\_ Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Summer Examination-2019

Subject Name : Nutrition & Biochemistry

Subject Code : 4NS01NUB1

Branch: B.Sc. (Nursing)

Year : 1

Date : 13/03/2019

Time : 02:30 To 05:30

Marks : 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

### SECTION-A (NUTRITION)

- Q-1 Attempt the following questions: (05)**
- a) Deficiency of vitamins C leads to \_\_\_\_\_ 1
  - b) The deficiency of cobalamin is cause \_\_\_\_\_ 1
  - c) Vitamin C aids in \_\_\_\_\_absorption. 1
  - d) FAO stands for \_\_\_\_\_ 1
  - e) PFA Act was introduced in \_\_\_\_\_ 1

**Attempt any one questions from Q-2 to Q-3:**

- Q-2 Attempt all questions (15)**
- a) Define nutrients 2
  - b) Classification of carbohydrates 7
  - c) Explain about the factors that are affecting food and nutrition 6
- Q-3 Attempt all questions (15)**
- a) Definition of Balance diet 2
  - b) Explain the menu plan for pregnant women 7
  - c) Role of nurse in nutrition education 6

- Q-4 Attempt any five questions from A to G: (25)**
- A Methods of cooking 5
  - B Protein energy malnutrition (PEM) 5
  - C Mid day meal program 5
  - D National agencies 5
  - E Explain the Regulation of electrolytes and its mechanism 5
  - F Food preservation 5
  - G Therapeutic diet 5

### SECTION-B (BIOCHEMISTRY)

- Q-5 Attempt the following questions: (05)**
- a) \_\_\_\_\_is the smallest unit of body. 1
  - b) ELISAStands of \_\_\_\_\_ 1



- |    |   |   |
|----|---|---|
| c) | The power house of the cell_____            | 1 |
| d) | The cell membrane made up of _____and _____ | 1 |
| e) | GABA Stands of _____                        | 1 |

**Attempt any one questions from Q-6 to Q-7:**

- |            |   |             |
|------------|---|-------------|
| <b>Q-6</b> | <b>Attempt all questions</b>                    | <b>(10)</b> |
| a          | What is Enzyme?                                 | 3           |
| b          | Describe of Urea cycle                          | 7           |
| <b>Q-7</b> | <b>Attempt all questions</b>                    | <b>(10)</b> |
| a          | Define human cell                               | 03          |
| b          | Write about Transport mechanism                 | 07          |
| <b>Q-8</b> | <b>Attempt any three questions from A to E:</b> | <b>(15)</b> |
| <b>A</b>   | Fluid mosaic model                              | <b>5</b>    |
| <b>B</b>   | Glucose tolerance test                          | <b>5</b>    |
| <b>C</b>   | Structure of cell                               | <b>5</b>    |
| <b>D</b>   | Nonessential amino acid                         | <b>5</b>    |
| <b>E</b>   | Metabolism of carbohydrates                     | <b>5</b>    |

