

# Madhya Pradesh Medical Science University, Jabalpur

## BSc. Nursing First Year Main Examination November - 2016

Paper Code:- 16NB102

Subject:- Nutrition & Biochemistry

Time: 3 Hours

Maximum Marks: (45+30=75)

- 1) All questions are compulsory
- 2) Attempt all question in serial order.
- 3) Illustrate your answer with well labeled diagrams.

### Section - A (Nutrition)

Mark: 45

(5x2=10)

Q.1. Define (Any five)

- a. Essential Amino Acids
- b. Hypervitaminosis
- c. Balanced Diet
- d. Body Mass Index
- e. Food Adulteration.
- f. Diet therapy

Q.2. a. Describe the classification of FAT with the help of flow chart

(5)

b. Explain in detail the storage of lipids

(5)

Q.3. Write a short note on food preservation..

(5)

Q.4. State the RDA, two functions and deficiency disorders of following:-

(4x5=20)

- a. Iron
- b. Proteins
- c. Calcium
- d. Vitamin D

### Biochemistry (Section B)

Mark: 30

Q.1. a. Write the different pathways of glucose metabolism in the body.

(3)

b. Discuss in detail: Glycolysis

(7)

Q.2. Write short notes (Any Two)

(2x5=10)

- a. Chromatography
- b. Digestion and absorption of lipid
- c. Acid Base Balance

Q.3. Define (Any Five)

(5x2=10)

- a. Amino Acid
- b. Detoxification
- c. BMR
- d. GTT
- e. Enzyme
- f. Vitamin