

Madhya Pradesh Medical Science University, Jabalpur

BSc. Nursing First Year Main Examination February - 2020

Paper Code:- 20AN0000102011

Subject:- Nutrition & Biochemistry

Time: 3 Hours

Maximum Marks: 75

- 1) Both parts (Part-A and Part-B) are compulsory.
- 2) Answer parts A & B in separate answer scripts.
- 3) All questions are compulsory.
- 4) Draw diagrams wherever necessary.
- 5) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper, otherwise the question shall not be valued.
- 6) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 7) Student can answer the question in both Hindi and English Language.

Section - A (Anatomy)

Mark: 37

- Q. 1** a. Define Nutrition. (2)
b. Explain various factors which affecting food and Nutrition (8)
- Q.2** a. What is meant by Balance diet (4)
b. What are the percentage of food components (Protein, fat & carbohydrate) (6)
and
water for a normal adult
- Q.3** Describe the classification, functions & sources of Protein (10)
- Q.4** Write short notes on (Any Three) (5X3=15)
a. Malnutrition
b. Food adulteration
c. Menu planning
d. Deficiency diseases of vitamins

Section B – Physiology (38 Marks)

- Q.1** a. Write differences between:
b. Prokaryote cell & Eukaryote cell (5)
c. Gluconeogenesis & Glycogenolysis (5)
- Q.2** a. Enlist micro-nutrients (3)
b. Write role of micro-nutrients in metabolism (7)
- Q.3** Write short notes on (Any Two) (5X2 = 10)
a. Immunoglobulins
b. Mechanism of antibodies production
a. Acid Base Balance