

Atal Behari Vajpayee Medical University
B.Sc. Nursing First year
Subject: Nutrition & Biochemistry

Time: 3 hours

Total marks: 75

General instructions:

- All questions are compulsory
- The number to the right indicates full marks
- Please write the correct paper code

Section A: Nutrition (37 Marks)

Paper 1, Part 1

Paper code 2211100102

Q. 1. Explain balanced diet in detail. 15 marks

Q. 2. Define Body Mass Index (BMI). Explain in detail factors influencing BMI. 10 marks

Q.3. Write short notes on: 4 x 3 marks each = 12 marks

- a) Carbohydrates
- b) Classification of lipids
- c) Protein energy malnutrition
- d) Classification of food

Section B: Biochemistry (38 Marks)

Paper 1 Part 2

Paper code 2211200102

Q. 1. Explain TCA cycle 10 marks

Q. 2. Write short notes on: 4 x 5 marks each = 20 marks

- a) Amino acids
- b) Hemoglobin
- c) Biosynthesis of fat
- d) Composition of Vitamin A

Q.3. Explain metabolic acidosis in detail 1 x 8 = 8 marks

17 Jan 2022