

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

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**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: 4x5marks each = 20marks**

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

**Q.3. Explain metabolic acidosis in detail 1x8= 8 marks**

*17 Jan 2022*