

Atal Bihari Vajpayee Medical University, UP.
B.Sc. Medical Lab Technology (BMLT) - First year
BASICS OF BIOCHEMISTRY, CLINICAL PATHOLOGY,
INSTRUMENTS & REAGENTS
Paper -4 Paper code 2111110204

Time: 3 hours

Total marks: 80

General instructions:

- All questions are compulsory
- Explain with diagrams where required
- The number to the right indicates full marks
- Please write the correct paper code
- Be to the point. No extra copy shall be provided

Q. 1. Write in detail about (2 x 20 = 40 marks)

- a) Metabolism of Glucose? Define TCA cycle in details with its significance
- b) Beta oxidation of fatty acids. How it produces energy?

Q. 2. Write short answer on: (2 x 10 = 20 marks)

- a) Clinical condition Diabetes Mellitus.
- b) Metabolic factors which can produces acidosis and alkalosis in our body

Q. 3. Write short notes on: (5 x 4 = 20 marks)

- a) Metabolic disorder in urea cycle
- b) Steps of Glycolysis?
- c) Enzyme inhibition
- d) Cholesterol and its clinical significance
- e) Glucose tolerance test & its role in diagnosis of Diabetes

Total time allotted 3 hours

21st April 2022