



**DDK-203-T**

Seat No. \_\_\_\_\_

**B. Pharm. (Sem. II) (CBCS) Examination**

**September - 2022**

**Biochemistry**

Time : 3 Hours]

[Total Marks : 75

- 1 Answer the following questions. 20**
- (1) Define Glycolysis.
  - (2) Why Glycogen as a fuel reserve ?
  - (3) What is HMP Shunt Pathway ?
  - (4) Define Transamination and Deamination.
  - (5) Define Hyperbilirubinemia.
  - (6) What is Energy Rich Compound ? Give Name of Energy Rich Compound.
  - (7) Comment : "All the proteins are called as Polymers of D-alpha-amino acids."
  - (8) What is Redox potential ?
  - (9) Give application of enzyme.
  - (10) Define atherosclerosis.
- 2 Answer the following questions : (Any Two) 20**
- (1) Describe TCA cycle in detail.
  - (2) Define Enzyme. Give detail classification of enzyme.
  - (3) Explain Urea Cycle in detail.
- 3 Answer the following questions : (Any Seven) 35**
- (1) Explain Gluconeogenesis in detail.
  - (2) Give detail note on Diabetes Mellitus.
  - (3) Give chart of Glycolysis.
  - (4) Give detail note on Electron Transport Chain.
  - (5) Explain DNA Replication in Detail.
  - (6) Explain  $\beta$ -oxidation and Ketogenesis in Detail.
  - (7) Write a Detail Note on Jaundice.
  - (8) Explain detail note on Oxidative Phosphorylation.
  - (9) Explain Enzyme Kinetics.