

Biochemistry

[New Scheme w.e.f. 2009]

Time: 3 Hours**Max Marks: 80****Note: 1.) *Attempt all questions.*****2.) ATTEMPT BOTH PARTS IN SINGLE ANSWER BOOK ONLY.****3.) NO SUPPLEMENTARY SHEET SHALL BE ALLOWED/ PROVIDED****4.) The Student must write Q.P. Code in the space provided on the Title page of the Answer Book.****SECTION - A****[40 Marks]****1. Write short Notes up to 5 lines in length.****[5x3=15]**

- (a) Biomedical importance of proteins.
- (b) Steroids
- (c) Succinyl Co-A
- (d) Allosteric enzymes.
- (e) Arginine.

2. Answer the following question upto 3 pages in length.**[10]**

Discuss the process of glycogenolysis with its regulation.

3. Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.**[15]**

- (a) Describe the process of lipogenesis along with its regulation.

OR

- (b) Discuss transamination along with importance.

SECTION - B**[40 Marks]****4. Write short Notes up to 5 lines in length.****[5x3=15]**

- (a) Structure of cholesterol
- (b) Hyperkalemia
- (c) Balanced diet
- (d) Phenylalanine synthesis
- (e) Biomedical importance of histidine

5. Answer the following question upto 3 pages in length.**[10]**

Discuss vitamin A and its importance in visual cycle.

6. Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.**[15]**

- (a) Explain the effect of pH on enzyme activity.

OR

- (b) Classify different lipids.
