



**BIOCHEMISTRY - II**

**Paper - II**

**Q.P. CODE : 9675**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**LONG ESSAY**

**2 X 20 = 40 Marks**

1. What are hormones? How are they classified? Explain their mechanism of action. List the pituitary hormones.
2. Discuss the metabolism of iron in our body. Give an account of biochemical changes seen in iron overload and deficiency conditions.

**SHORT ESSAY**

**6X10= 60 Marks**

3. Describe the procedure and interpretation of Glucose tolerance test. Write the significance of estimating HbA1c.
4. Discuss the genetic defects, clinical manifestations of the disorders of Glycogen storage disease.
5. What are acute phase proteins? Discuss with examples.
6. Write briefly on the biological role:  
(a) Vitamin C (b) Thiamin (c) Niacin (d) Vitamin B<sub>12</sub>
7. What are radioisotopes? Discuss radioactive emissions and radiation matter interaction.
8. Write a short note on Gout.