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M.Sc.(Pharmaceutical Chemistry) (Sem.-2)**BIOCHEMISTRY****Subject Code : MSPC-102****Paper ID : [F0269]****Time : 3 Hrs.****Max. Marks : 80****INSTRUCTION TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries SIXTEEN marks.

Q1. What are enzymes? Discuss types of enzyme inhibition.

Q2. What are amino acids? Discuss their biosynthesis.

Q3. Write a note on TCA cycle.

Q4. What are carbohydrates? How are they classified?

Q5. How fatty acids are metabolised in the body? Discuss.

Q6. What are vitamins? Give classification. Discuss the role of fat soluble vitamins as coenzymes.

Q7. Write a note on oxidative phosphorylation.

Q8. What is nitrogen fixation? Describe urea cycle.