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Roll No .....

PY-404 (GS)

B. Pharmacy IV Semester Examination, June 2020

Grading System (GS)

Pharmaceutical Chemistry-V

(Biochemistry)

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. Write on incorporation of sulphur in organic compounds and its release from organic compounds.

2. Write an exhaustive note on diagnostic tests for detection of metabolic disorders.

3. Write short note on vitamins as coenzymes with its pharmaceutical significance.

4. Write a note on determination of primary structure and higher order of structures of proteins.

5. Describe the Urea Cycle. Add a note on metabolic disorders associated with urea cycle.

6. What is alpha, beta and omega Oxidation? Describe the Beta oxidation of fatty acids.

   OR

   Give a detailed account on Citric acid cycle.

7. Describe components of protein synthesis and inhibition of protein synthesis.

   OR

   Describe the production of ATP and its biological significance.

8. Answer any three of the following:
   a) Give nomenclature and classification of Enzyme.
   b) Write a short note on conversion of polysaccharide to glucose-1-phospate.
   c) Draw the reaction sequence of biosynthesis of epinephrine.
   d) What is Polymerase chain reaction?
   e) Give an brief account on genetic engineering.

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