

PY-502

RGPVONLINE.COM

B. Pharm. (Fifth Semester) EXAMINATION, June, 20

PHARMACEUTICAL CHEMISTRY – V

(Biochemistry)

(PY-502)

Time : Three Hours

Maximum Marks : 70

Note : Attempt any five questions.

1. (a) Discuss the Biosynthesis of DNA and its replication.
(b) Write a note on glucose tolerance test.
2. (a) Explain De-Novo synthesis of saturated and unsaturated fatty acids.
(b) What are ketone bodies ? Give their biological significance.
3. (a) Explain the Embden-Meyerhoff's pathway of Glycolysis.
(b) Give an exhaustive note on transportation processes across cell membrane.
4. (a) Classify enzymes. What is enzyme inhibition ? Discuss the types of enzyme inhibition.

- (b) Write a note on bile pigments. 4
6. (a) Draw a well labelled diagram of the cell. Give the functions of each component. 10
(b) Give biological significance of ATP. 4
7. (a) Define biochemistry and correlate with health, nutrition, diseases, medicine and other biosciences. Enlist the major cause of diseases. 7
(b) Describe the role of hormones in carbohydrate metabolism. 7
8. Write short notes on any two of the following : 7 each
(a) Glyoxalic acid cycle
(b) Bioenergetics
(c) Biosynthesis of RNA
(d) HMP shunt

RGPVONLINE.COM

PY-502