

(LP 2018)

SEPTEMBER 2019

Sub. Code: 2018

B.PHARM. DEGREE EXAMINATION
PCI Regulation – SEMESTER II
PAPER III – BIOCHEMISTRY

Q.P. Code: 562018

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)

1. Describe transamination and deamination reactions with suitable examples.
2. Explain Embden Meyerhof pathway and write its significance.
3. How genetic code is used for amino acid coding and explain with wobble hypothesis?

II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)

1. Discuss and detail about the Redox potential.
2. What are phospholipids? Describe the classification and functions of any two Phospholipids.
3. Synthesis and significance of Melatonin.
4. Explain Hyperbilirubinemia and Jaundice.
5. Bio-synthesis of De-novo pathway of purine and explain any one metabolic disorder of purine.
6. Explain Enzyme kinetics with Michaelis plot.
7. Explain allosteric enzymes regulation.
8. Hexose Monophosphate pathway.
9. Explain the conversion of cholesterol into steroid hormones and write its significance.

III. Short answers on: Answer ALL questions. (10 x 2 = 20)

1. What is Atherosclerosis?
2. Define Bio molecules.
3. Diabetes Mellitus.
4. What are exergonic reaction?
5. What is cellular respiration?
6. What is albinism?
7. Differentiation mRNA & tRNA.
8. Define coenzymes.
9. Creatinine.
10. Lipoprotein.
