

Code: 15R00203

R15

B.Pharm I Year II Semester (R15) Regular & Supplementary Examinations June 2018

PHARMACEUTICAL BIOCHEMISTRY

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Write about concept of free energy.
 - (b) Explain about passive transport process.
 - (c) Discuss about enzyme inhibitors.
 - (d) What is mean of enzyme, isoenzyme and coenzyme?
 - (e) Explain about Cori cycle.
 - (f) What is the significance of HMP shunt pathway?
 - (g) Write a short note on utilization of ketone bodies.
 - (h) Define amino acid and classify them with examples.
 - (i) Discuss about VLDL and LDL.
 - (j) What is mean of OGTT?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Write the production of ATP and its biological significance.

OR

- 3 Explain about the sodium and potassium pumps.

UNIT – II

- 4 Write about clinical importance of enzyme in treatment and diagnosis.

OR

- 5 Explain about the factors affecting enzyme action.

UNIT – III

- 6 Discuss about the Krebs cycle in detail.

OR

- 7 Write uronic acid pathway.

UNIT – IV

- 8 Write detailed account on urea cycle.

OR

- 9 Outline the steps of oxidation of fatty acid.

UNIT – V

- 10 Discuss about abnormal constituents of urine and their significance in disease.

OR

- 11 Write various methods for estimation blood glucose.
