

FACULTY OF PHARMACY
Pharm. D (6 YDC) I-Year (Instant) Examination, March 2018

Subject : Medicinal Biochemistry

Time : 3 Hours**Max. Marks: 70**

Note: Answer all questions from Part – A, answer any five questions from Part-B.

PART – A (10 x 2 = 20 Marks)

- 1 What is genetic code? Write characteristics of genetic code.
- 2 What is creatinine clearance? Write its diagnostic significance.
- 3 What are frame shift mutations and write its consequences?
- 4 Define Michaelis Menten constant and write its significance.
- 5 Give a short note on Gout.
- 6 Mention the effect of pH on enzymes activity.
- 7 Give a note on HDC and CDC ratio and its clinical significance.
- 8 Enumerate briefly functions of plasma membrane.
- 9 Explain briefly ketogenesis.
- 10 Write significance of glucose tolerance test.

PART – B (5 x 10 = 50 Marks)

- 11 Write components of electron transport chain and explain the mechanism of electron transport.
- 12 Explain methods for determination of sodium, potassium and bicarbonates in body fluids.
- 13 (a) Explain DNA repair mechanisms.
(b) Describe HMP shunt pathway.
- 14 Describe in detail protein Biosynthesis.
- 15 Describe in detail about urine analysis.
- 16 (a) Explain about water balance and its regulation in Body.
(b) Discuss disorders of Acid-base balance.
- 17 Discuss in detail about Radio Immuno Assay.
- 18 Explain β -oxidation of saturated fatty acids and write the total energy yield from complete oxidation of one molecule of Palmitic Acid.
