



G-131003

Seat No. _____

Bachelor of Physiotherapy (Sem. I) Examination

March / April – 2019

BPTOC - 103 : Biochemistry

Time : 2 Hours]

[Total Marks : 40

- Instructions :** (1) Answers should be brief and to the point.
(2) Illustrate answers with suitable diagrams.
(3) Figures to the right indicate full marks.

SECTION - I

- 1 Long answer : (Any One out of Two) 1×15=15**
(a) Describe Glycolysis along with its regulation and energetics.
(b) Describe factors affecting enzyme activity. Describe competitive inhibition of enzymes with its examples.
- 2 Short answer : (Any Three out of Four) 3×5=15**
(a) Phospholipids
(b) Urea cycle with its regulation
(c) Watson crick model of DNA structure
(d) Ketosis
- 3 Very short answer : (Any Five out of Seven) 5×2=10**
(a) Why HDL is considered as good cholesterol?
(b) How, Vitamin A deficiency causes night blindness?
(c) Why, Bile salts are required for digestion & absorption of lipids ?
(d) Give examples of transaminases with their reactions.
(e) How, Sucrose is an invert sugar ?
(f) Give names of body buffers. Which is the predominant blood buffer for pH regulation ?
(g) Why Coenzymes are known as second substrate ?