

# DIPLOMA IN PHYSIOTHERAPY

[First Year]Main Theory Exam Session 2021-22

## BIOCHEMISTRY

PAPER CODE – 106

Time:- 3 Hours

Marks:- 100

(Question no. 1 and 2 are compulsory.)

1. Explain hormonal regulation of blood glucose. Add a note on glycosuria. **(2 x 20 = 40 Marks)**
2. Describe the sources, RDA, Absorption, Metabolic functions and deficiency symptoms of calcium.

**SHORT ESSAYS (Answer any Five)**

**(8 x 5 = 40 Marks)**

3. Denaturation of proteins
4. Glycogenolysis
5. Structure and functions of cholesterol
6. Transamination
7. Nitrogen balance
8. Functions of proteins

**SHORT ANSWERS (Answer any Two)**

**(10 x 2 = 20 Marks)**

9. Essential fatty acids.
10. Isoenzymes.
11. Normal levels of blood urea and cholesterol.
12. Role of aldosterone in electrolyte balance.
13. What are provitamins, give examples.