Q.P. CODE: 113016	Reg. No:
Q.1 . OODE. 1 10010	110g: 110:

First Year B.Sc Perfusion Technology Degree Supplementary Examinations August 2023

Biochemistry

(2016 Scheme)

Time: 3 Hrs Max. Marks: 80

- Answer all questions to the point neatly and legibly Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

Essays: (2x10=20)

- 1. What are enzymes. Write the IUBMB classification of enzymes. Add a note on any two types of enzyme inhibition with examples.
- What is the beta oxidation. Discuss the steps of beta oxidation of fatty acids. Add a note on its energetics.

Short notes: (6x5=30)

- 3. Sources, RDA and functions of vitamin A
- 4. Regulation of blood calcium
- 5. Glycogen synthesis and degradation
- 6. Plasma buffers
- 7. Enzymes used in diagnosis of liver diseases
- 8. Gluconeogenesis- key enzymes and regulation

Answer briefly: (10x3=30)

- 9. Benedict's test
- 10. Pellagra
- 11. Biochemical findings in different types of jaundice.
- 12. Causes of increase in blood urea levels
- 13. Synthesis and fate of chylomicrons
- 14. Atherosclerosis
- 15. Three products obtained from tyrosine
- 16. Functions of proteins in our body
- 17. Iron deficiency anaemia
- 18. Ketone bodies
