M.Sc. DEGREE EXAMINATION,APRIL 2020
I Year II Semester
Nutritional Biochemistry

Time : 3 Hours **Max.marks :75**

Section A $(10 \times 2 = 20)$ Marks

Answer any **TEN** questions

1. What is Metalloenzymes.
2. What is Flavin Adenine Dinucleotide.
3. What is Phospho fructokinase
4. What is Linoleic Acid.
5. List the Functions of omega - 3 - Fatty acids.
6. Define Glucokinase
7. List non-essential amino acids.
8. What are ketone bodies?
9. What is decarboxylation.
10. Define Transcription.
11. What are nucleic acids?
12. What is Messenger RNA?

Section B $(5 \times 5 = 25)$ Marks

Answer any **FIVE** questions

13. Explain The Mechanism Of Phosphorylation.
14. Gluconeogenesis – Discuss.
15. Elaborate Biosynthesis And Oxidation Of Glycerides.
16. Urea Cycle – Give A Detailed Note.
17. Write An Exclusive Note On Structure Of DNA.
18. Translation - Discuss.
19. Catabolism Of Essential Amino Acids - Discuss.

Section C $(3 \times 10 = 30)$ Marks

Answer any **THREE** questions

20. Detail the enzymes & Co enzymes involved in oxidation & reduction.
21. Discuss glycolysis in detail.
22. Elaborate Biosynthesis and Oxidation Of Saturated Fatty Acids.
23. Deamination and Transamination of Amino Acids - Report.
24. Review the Recent Trends in Recombinant DNA Technology.

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