

B.Sc., CARDIO PULMONARY AND PERFUSION CARE TECHNOLOGY

FIRST YEAR - QUESTION BANK

SUBJECT CODE & NAME – 1402 - BIOCHEMISTRY

UNIT NO: 3

TOPIC – ENZYMES

I. Elaborate On: 10 Marks

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPERS

S.NO	QUESTIONS	REFERENCE (EXAM MONTH AND YEAR)	BLOOMS TAXONOMY
1.	Define Enzymes and Enzyme Inhibition. Explain the factors affecting enzyme activity?	August 2013	Understand
2.	Write about Classification of Enzymes	August 2014	Understand
3.	The factors affecting enzyme activity. Define an enzyme. Explain the usefulness of serum enzymes in myocardial infarction.	February 2015	Understand
4.	Define Enzyme. Explain in detail about factors affecting Enzyme activity.	April 2023	Understand

II. Write Notes On: 5 Marks

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPERS

S.NO	QUESTIONS	REFERENCE (EXAM MONTH AND YEAR)	BLOOMS TAXONOMY
1.	Mention the factors affecting Enzyme activity.	February 2014, August 2019, November 2023	Remember
2.	Explain Enzyme Pattern in diseases	August 2014	Understand
3.	Competitive and Non competitive inhibition.	August 2015	Understand
4.	Enzyme and its classification.	February 2016, August 2017	Understand
5.	Explain enzyme inhibition and its types.	August 2011, 2014, April 2022, 2023	Understand
6.	Enzyme pattern in myocardial infarction.	November 2023	Apply

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III. Write Short Answers On: 3 Marks

REFERENCE – THE TAMILNADU DR. M.G.R MEDICAL UNIVERSITY QUESTION PAPERS

S.NO	QUESTIONS	REFERENCE (EXAM MONTH AND YEAR)	BLOOMS TAXONOMY
1.	Isoenzymes.	August 2011	Remember
2.	How Ph affects the enzyme activity. Explain graphically.	August 2012	Understand
3.	What is the significance of Lactate Dehydrogenase as an isoenzyme.	August 2012	Apply
4.	Write about nomenclature of enzymes ?	August 2013	Remember
5.	Define i) Isoenzymes ii) Holoenzymes	February 2014	Remember
6.	Allosteric inhibition.	August 2015	Understand
7.	What are co-enzymes? Give two examples of co-enzymes.	February 2015, August 2019	Remember
8.	Define (i) Isoenzymes (ii) Holoenzymes	February 2020, March 2021	Remember
9.	Active site.	April 2022	Remember
10.	Define isoenzyme with example.	April 2023	Remember