

Postgraduate Spring 2023 TOS NUMS Entry Test PhD Molecular Medicine

S. No	TOPIC
30	Cell Biology:
1.	Chemical structure and biological functions of lipids, proteins, carbohydrates and nucleic acids
2.	 Enzymology Properties of enzymes Factors affecting activity of Enzymes Enzymes in diagnostics
3.	Basic Molecular Biology of Eukaryotes
4.	Clinical Biochemistry Diabetes mellitus Dyslipidemia Glycogen storage diseases Lysosomal storage diseases Jaundice Disorders of lipid metabolism
5.	DNA damage and repair in Eukaryotes
6.	Molecular Genetic Types of genetic mutations with their effect on DNA sequence Genetic disorders: Hemoglobinopathies Porphyrias Inborn errors of protein metabolism Cystic Fibrosis SCIO
7.	Molecular Techniques
8.	 Research Methodology Biostatistics/Analytical Medical Writing/ Bioethics