



School of Postgraduate Studies
Entrance Test Examination (TOS)
PhD (Molecular Pathology)

S. No.	Topic
1	Structure of Nucleic Acids & Central Dogma of Molecular Biology
2	Basic understanding of Human Genome
3	Basics of Viral and Bacterial Genetics
4	Molecular mechanisms involved in transcription and translation
5	Molecular basis of Cell cycle
6	Molecular pathways associated with cell injury and cell death
7	Molecular basis of carcinogenesis
8	Molecular techniques (focus on PCR, sequencing, microarrays, cytopathology)
9	Molecular Basis of Genetic Disorders
10	Use of Molecular basis of diseases in the field of personalized medicine
11	Use of Molecular Pathology in a Diagnostic Laboratory