

## PhD Entrance Test-Subject (Molecular Medicine)

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**Total Weightage: 70% Subjective  
30% English & Analytical**

<b>Topic for Preparation</b>
The cell as a unit of health and disease
Cell injury, cell death and adaptations
Inflammation and repair
Diseases of the immune system
Genetic disorders
Infectious diseases
Nucleic acid structure and organization
DNA replication
Transcription & RNA processing
The genetic code, mutations and translation
Regulation of Eukaryotic Gene Expression
<b>Total</b>

### RECOMMENDED BOOKS

1. Robins Basic Pathology by Kumar, Abbas & Aster, 10<sup>th</sup> edition
2. Biochemistry & Medical Genetics, Kaplan, 2018.