

Table of Specification –PhD Physiology - Spring 2026

NUMS Entry Test

Sr. No	Topic	MCQs
1.	Cell Physiology and Homeostasis, Body fluid, Lymph and Blood Physiology	10
2.	Cardio Vascular System	10
3.	Gastrointestinal, Liver and Renal Physiology	10
4.	Pulmonary Physiology (Respiration)	10
5.	Physiology of Endocrines and Reproduction	10
6.	Neurosciences (Sensory, Motor, Special Senses & Higher Mental Function, ANS)	10
7.	Nerve, Muscle, Sports and Physiology of Unusual Environment	10
8.	Molecular Biology <ul style="list-style-type: none"> ○ DNA: Structure and Function ○ RNA: Structure and Function & Types ○ Protein: Structure and Function ○ DNA regulatory sequences and regulatory protein ○ DNA Replication, Damage and Repair ○ Transcription/ Translation in Prokaryotes & Eukaryotes 	10
9.	Techniques <ul style="list-style-type: none"> ○ PCR types and procedure ○ DNA/RNA Extractions ○ Restriction Endonucleases ○ Recombinant DNA technology ○ Gel Electrophoresis 	05
10.	<ul style="list-style-type: none"> ○ Research Methodology ○ Biostatistics/Analytical ○ Medical writing/Bioethics 	15
Total		100