

PhD Entrance test syllabus

School of Health Sciences

1. Microbiology (50 marks)

Question paper will be set on **General Microbiology** at the **level of PG**, which will include the following:

Content:

Agricultural and Soil Microbiology	(10 marks)
Industrial Microbiology	(10 marks)
Medical Microbiology	(10 marks)
Pharmaceutical Microbiology	(10 marks)
Molecular Biology	(10 marks)

2. Biotechnology (50 marks)

Question paper will be set on **General Biotechnology** at the **level of PG**, which will include the following:

Content:

Cell and Molecular Biology	(10 marks)
Plant & Environmental Biotechnology	(10 marks)
Genetics, Genetic engineering	(10 marks)
Microbiology, Intellectual Property Rights	(10 marks)
Bioinformatics and computational Biology	(10 marks)

3. Medical Laboratory Technology (50 marks)

The question paper will focus on the Fundamentals of Medical Microbiology and Various Disease Diagnosis Methods at the Postgraduate (PG) level, covering the following topics:

Bacteriology	(11 marks)
Mycology	(5 marks)
Virology	(7 marks)
Disease Diagnosis Techniques (Hematology & amp; Cytopathology)	

Immunology

(19 marks)
(8 marks)

4. Physiotherapy (50 marks)

Question paper will be set on Physiotherapy at the level of PG, which will include the following:

Content:

Unit 1: Anatomy, Physiology & Biomechanics	(10 marks)
Unit 2: Cardiopulmonary Physiotherapy	(5 marks)
Unit 3: Neurological Physiotherapy	(5 marks)
Unit 4: Musculoskeletal Physiotherapy	(5 marks)
Unit 5: Rehabilitation & Community Physiotherapy	(5 marks)
Unit 6: Sports Physiotherapy	(5 marks)
Unit 7: Women's Health Physiotherapy	(5 marks)
Unit 8: Pediatric & Geriatric Physiotherapy	(5 marks)
Unit 9: Therapeutic Modalities	(5 marks)
