

Admission Test M.Phil/Ph.D

Fall Semester 2017

It is for the information of all concerned that the admission test for admission in M.Phil and Ph.D programs is scheduled tentatively between **August 10 to August 15, 2017**. The **exact date** shall be announced on the university website and on the website of Pakistan Testing Service (PTS). All applicants appearing in the test are advised to following the given guidelines regarding the admission test.

Admission test for M.Phil programs

English	The percentage of marks distribution for each section will be as per HEC criterion
Mathematics	
Analytical and logical reasoning	

Admission test for Ph.D programs

The test will be subject based as per the HEC criterion. Applicants are advised to focus the given subject areas while preparing for the test.

Biotechnology		
Sr. No.	Core Areas	Percentage
1	Agriculture Biotechnology	10%
2	Health Biotechnology	10%
3	Industrial Biotechnology	10%
4	Environmental Biotechnology	10%
5	Food Biotechnology	10%
6	Cell and Molecular Biology	8%
7	Techniques in Biotechnology	8%
8	Microbiology	8%
9	Genomics and Proteomics	6%
10	Biochemistry	5%
11	Genetics	5%
12	Bioinformatics	5%
13	Research Planning and Skills in Biotechnology	5%
	Total	100%
Botany		
Sr. No.	Core Areas	Percentage
1	Genetics II	10%

2	Biochemistry	8%
3	Gymnosperms	6%
4	Angiosperms	8%
5	Taxonomy	8%
6	Anatomy & Morphology	10%
7	Physiology	10%
8	Ecology	10%
9	Cytology & Genetics	14%
10	Plants & Environment	8%
11	Tissue Culture and Plant Breeding	8%
	Total	100%

Chemistry

Sr. No.	Core Areas	Percentage
1	Inorganic Chemistry	20%
2	Applied Chemistry	10%
	Environmental Chemistry	10%
3	Organic Chemistry	20%
	Biochemistry	10%
	Analytical Chemistry	10%
4	Physical Chemistry	20%
	Total	100%

Computer Science

Sr. No.	Core Areas	Percentage
1	Programming Fundamentals	6%
2	Object Oriented Paradigm	5%
3	Discrete Structures	5%
4	Data Structures and Algorithms	9%
5	Digital Logic and Computer Organization	6%
6	Operating Systems	6%
7	Database Systems	7%
8	Software Engineering & Development	5%
9	Computer Communication and Networks	6%
10	Computer Architecture & Assembly Language	8%
11	Theory of Automata and Formal Languages	10%

12	Analysis of Algorithms	10%
13	Artificial Intelligence	7%
14	System Programming	5%
15	Numerical Computing	5%
	Total	100%
Mathematics		
Sr. No.	Core Areas	Percentage
3	Calculus	20%
4	Algebra	20%
5	Complex Analysis	15%
6	Differential Equation	15%
10	Real Analysis	15%
11	Functional Analysis	15%
	Total	100%
Physics		
Sr. No.	Core Areas	Percentage
1	Classical Mechanics	20%
2	Quantum Mechanics	20%
3	Thermodynamics & Statistical Mechanics	20%
4	Electromagnetic Theory	20%
5	Mathematical Methods of Physics	10%
6	Solid State Physics	10%
	Total	100%
Sociology		
Sr. No.	Core Areas	Percentage
1	Principles of Sociology	10%
2	sociological Theory	15%
3	Social Research	15%
4	Social Change	10%
5	Social Problems of Pakistan	10%
6	Social Anthropology	10%
7	Culture, socialization and personality	10%
8	social psychology	10%
9	social groups, deviance and social control	10%

	Total	100%
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