

PhD Admission Test Fall 2025
National University of Computer and Emerging Sciences

1. The PhD Admission Test will be a 2-hours test with no negative marking;
2. The composition of Tests/Interviews at different domains are as follows:

PhD (Computer Science)	PhD (Management Sciences)
Test Date 26 th Jul, 2025 (Saturday)	Test Date 26 th Jul, 2025 (Saturday)
Duration 2-hours	Duration 2-hours
Description MCQs	Description MCQs
Test Core Areas (Section-A)	
Programming	Economics 10
Data Science and Algorithms	Management 15
Computer Networks	Quantitative Techniques 15
Operating Systems	Research Methods 15
Database Systems	Marketing 15
Software Engineering	Finance and Accounting 10+10
Theory of Automata	Business Communication 10 and Report Writing
Section-B	
Duration 1-hour	Duration 1-hour
Description the applicants will be required to write an essay or answer a subjective question	Description the applicants will be required to write an essay or answer a subjective question

PhD (Electrical Engineering)	PhD (Mathematics)
Test Date 26 th Jul, 2025 (Saturday)	Test Date 26 th Jul, 2025 (Saturday)
Duration 2-hours	Duration 2.5-hours
Description MCQs	Description MCQs
Test Core Areas (Section-A)	
Signals, Systems and Controls	Calculus 50%
Electrical Circuits and Network Analysis	Algebra 25%
Probability and Random Variables	Introductory Real Analysis
Electromagnetics and Telecommunications	Discrete Mathematics
Electromechanical Systems and Power Engineering	General Topology 25%
Electronics	Probability and Statistics
Digital Logic Design and Computer Engineering	Numerical Analysis
Computing, Programming and Data Structures	Complex Analysis

PhD English (Linguistics)

Test Date 26th Jul, 2025 (**Saturday**)

Duration 2-hours

Description MCQs

Test Core Areas (Section-A)

General Linguistics

Phonetics and Phonology

Morphology and Syntax

Semantics and Pragmatics

Sociolinguistics and Applied Linguistics

Research Methods in Linguistics

Section-B

Duration 1-hour

Description The applicants will be required to write an essay or answer a subjective question related to theoretical or applied aspects of linguistics.

PhD (Civil Engineering)

Test Date 26th Jul, 2025 (**Saturday**)

Duration 2-hours

Description MCQs

Test Core Areas (Section-A)

Structures and Engineering Mechanics

Foundations and Geotechnical Engineering

Hydraulics and Water resource Engineering

Transportation Engineering

Construction Engineering and Management

Structural Dynamics

Note:

1. Applicants will be called for an interviews after reviewing the marks of **Section-A**;
2. The final merit will be calculated by adding the marks of **Section-A**, **Section-B*** and the interview marks; and
3. Admissions will be offered based on the availability and consent of supervisors.

* Applicable for PhD (Management Sciences only)