PhD Admission Test Fall 2024 **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)

3rd August, 2024 (**Saturday**) Test Date

Duration 2-hours Description **MCOs**

Test Core Areas (Section-A)

Programming

Data Science and Algorithms

Computer Networks **Operating Systems Database Systems** Software Engineering

Theory of Automata

PhD (Management Sciences)

3rd August, 2024 (**Saturday**) Test Date

Duration 2-hours Description **MCOs**

Test Core Areas (Section-A)

Economics 10 15 Management Quantitative Techniques 15 Research Methods 15 Marketing 15 Finance and Accounting 10 + 10**Business Communication** 10

and Report Writing

Section-B

Duration 1-hour

Description the applicants will be required to write

an essay or answer a subjective question

PhD (Electrical Engineering)

3rd August, 2024 (**Saturday**) Test Date

Duration 2-hours Description **MCQs**

Test Core Areas (Section-A)

Signals, Systems and Controls

Electrical Circuits and Network Analysis

Probability and Random Variables

Electromagnetics and Telecommunications

Electromechanical Systems and Power Engineering

Electronics

Digital Logic Design and Computer Engineering

Computing, Programming and Data Structures

PhD (Mathematics)

5th August, 2024 (**Monday**) Test Date

Duration 2.5-hours Description **MCQs**

Test Core Areas (Section-A)

25%

Calculus 50% Algebra 25%

Introductory Real

Analysis

Discrete Mathematics

General Topology

Probability and Statistics Numerical Analysis Complex Analysis

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)