

**NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY**  
**DEPARTMENT OF ELECTRICAL ENGINEERING**

**Guidelines for Pre-Admission Entry Test for Fall Semester 2024**

**(Academic Session 2024-25)**


Department of Electrical Engineering is offering M. Engg. (Power System), M. Engg. (Smart Grid), M. Engg. (Control), MEM (Energy Management). Following are the guidelines:

1. The test will be an online in-campus test. There will be a single test for all specializations mentioned above.
2. Total time duration of test is 1.5 hrs. (90 min)
3. Test will comprise of MCQs, fill in the blanks and True/False questions. Total no of question will be 90.
4. Programmable calculators are not allowed.
5. This is instructed that please reach to the venue at least 15 min before start of the test.
6. Passing marks in entry test is 50% and above. The overall merit will be formed on the basis of following criteria (weightage).

Written Test Marks	80%
BE (% or CGPA)	20%
Total	100%

Following topics will be covered in the test:

1. Engineering Mathematics
2. English section which will cover Vocabulary, Grammar, Synonyms/antonyms & others
3. Basic Electrical Engineering and Electric Circuits Analysis
4. Electrical Machines
5. Power Generation and Energy Issues of Pakistan
6. Signal & System (Analog/Digital)
7. Feedback Control System/ Linear Control System
8. Electrical Instrumentation & Measurement
9. Programming Languages C and C++
10. Engineering Economics
11. Power System Analysis
12. Power Transmission and Distribution
13. Power System Protection
14. Microprocessors and Embedded System
15. Basic Electronics
16. Power Electronics
17. Computer Networks

  
**Dr. Muhammad Mohsin Aman**  
Co-Chairman

  
**Prof. Dr. Atta Ullah Khwaja**  
Chairman