

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

**Guidelines for Pre-Admission Entry Test for Fall Semester 2022**

**(Academic Session 2022-23)**

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

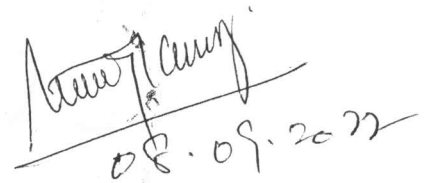
1. The test will be an online in-campus test.
2. Test will comprise of MCQs, fill in the blanks and True/False questions.
3. Programmable calculators are not allowed.
4. Passing marks in entry test is **50% and above**.

**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
6. Energy Issues of Pakistan
7. Signal & System (Analog/Digital)
8. Feedback Control System/ Linear Control System
9. Electrical Instrumentation & Measurement
10. Programming Languages C and C++
11. Engineering Economics
12. Power System Analysis
13. Power Transmission and Distribution
14. Power System Protection
15. Microprocessors and Embedded System
16. Basic Electronics
17. Power Electronics
18. Computer Networks



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



08.09.2022

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

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