

PhD Admission Test (Computer Science / Software Engineering) Fall 2020

FAST School of Computing

National University of Computer and Emerging Sciences

The PhD Admission Test (**Computer Science / Software Engineering**) will be a 3 hour test, and will have two sections. Section A will be composed of 100 MCQs, while in Section B the applicants will be required to write a subjective essay. The 100 MCQs will cover the following core areas of Computing:

Section A: 100 MCQs with following distribution:

1. (Programming Fundamentals) [10 questions]
2. (Analysis of Algorithms) [10 questions]
3. (Operating Systems / Systems Programming) [10 questions]
4. (Object Oriented Programming / Data Structures) [10 questions]
5. (Computer Communications and Networks) [10 questions]
6. (Software Engineering) [10 questions]
7. (Database Systems) [10 questions]
8. (Theory of Automata & Formal Languages) [10 questions]
9. (Artificial Intelligence) [10 questions]
10. (Computer Architecture and Assembly Language) [10 questions]

Section B: Essay writing

Subjective essay on relevant topic like: [Industry 4.0 challenges, Challenges of Big Data, etc]

Passing Criteria: 70% in Section A and S / U grade in Section B.