

School of Information Technology

Ph.D. Qualifier

1. The qualifier will test the student's knowledge in the basic knowledge of information technology. The qualifier will consist of two papers, Paper 1 of three hours duration and Paper 2 of one hour duration.

Paper 1: Data Structures + Algorithms + Programming
Operating Systems
Computer Organization and Architecture

Paper 2: Networking + Internet Technology
OR
Software Engineering + DBMS

2. The pass marks in each paper will be 50%.
3. Students will be allowed a maximum of two attempts per paper. In each semester the student decides to take the qualifier, he/she can appear in both papers or any one paper only. However the student has to pass both papers of the qualifier within a maximum duration of 2 years from the date of joining.
4. For this semester only, the qualifier will be held sometimes in the second half of October. From 2010, it will be held in January and July as instructed by the Institute.

Special Provision for Ph.D. students who joined before July 2009

The School observed that for students joining before July 2009, it may be unfair to force them to follow the above syllabus as they were unaware of the qualifier requirement till recently, and hence may not have adequate time to prepare themselves and may be take additional coursework for this preparation. Such students joining before July 2009 **who have not given their registration seminar by June 30, 2009**, will have an option to take the qualifier in the form of either a Viva-voce in front of a board or the written qualifier described above. The exact syllabus of the Viva-voce will be decided on a case-by-case basis by the Departmental Academic Committee after looking at the student's background and coursework done. Such a student will get a maximum of two attempts in two different semesters, and can exercise option to take either the Viva-voce or the written test.

Students joining before July 2009 who have already given their registration seminars by June 30, 2009 need NOT appear for the qualifier.