

**Department Of Electrical Engineering,  
National Institute of Technology Srinagar,**

**SYLLABUS FOR Ph. D ENTRANCE EXAMINATION FOR ELECTRICAL  
ENGINEERING DEPARTMENT - SPRING 2016**

1. Electric Machines – Transformers, D.C Machines, Induction Machines, Synchronies Machines.
2. Control System – classical & Modern Control.
3. Circuit Analysis – AC & DC
4. Power Systems – Transmission distribution, fault analysis & Stability, Power System Protection.
5. Electric Measurements & Instrumentation
6. Power Electronics – Converters
7. Microprocessor & Microcontrollers
8. Engineering Mathematics