

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

JADAVPUR UNIVERSITY

SYLLABUS FOR Ph.D. ENTRANCE TEST

Part-I: Research Methodology

Syllabus:

Introduction to Research Methodology – Objectives and Motivation for Research, Research Approaches, Research Process, Research Problems,

Research Problem – Definition, Selection, Techniques, Importance

Research Design – Necessity, Concepts, Characteristics of a Good Design, Basic Principles of Experimental Design

Sample Design – Census and sample survey, Sample Design, Sampling Procedure, Random Samples, Complex Designs

Basic Concepts in Physics and Mathematics at 10+2 level

Reference:

C.R. Kothari, Research Methodology: Methods and Techniques. Second Edition. New Age International Publishers, New Delhi.

Part-II: Subject Specific

Syllabus: Undergraduate syllabus of Electronics and Telecommunication Engineering department of Jadavpur University

For details, please check the University website