PhD Comprehensive Examination – Spring 2020
Faculty of Computing

Following is the department wise list of the subjects from which the comprehensive examination question papers will be prepared:-

Department of Computer Science

List of Courses		
1	CS 5173	Advanced Theory of Computation
2	CS 5123	Advanced Analysis of Algorithm
3	CS5413	Advanced Computer Architecture
4	CS5433	Advanced Operating Systems
5	CS6713	Advanced Computer Networks
6	CS6723	Mobile & Wireless Networks
7	CS6133	Semantic Computing
8	CS6143	Ontology Engineering
9	CS 5823	Information Retrieval
10	CS6233	Software Quality Assurance & Testing
11	CS6313	Distributed Databases
12	CS5343	Data Mining
13	CS5163	Web Based Knowledge Discovery
14	CS5153	Digital Library
15	CS5183	Information Visualization
16	CS6223	Software Fault Tolerance
17	CS6423	Graph Algorithms
18	CS6323	Web Mining
19	CS6123	Parallel Processing

Department of Mathematics

List of Courses			
1	MT5643	Applied Cryptography
2	MT5123	Advanced Mathematical Analysis
3	MT5023	Advanced Wave Mechanics
4	MT5013	Advanced Partial Differential Equations.
5	MT5213	Advanced Numerical Techniques
6	MT5043	Advanced Ordinary Differential Equations
7	MT5353	Abstract Algebra
8	MT5243	Finite Difference Methods
9	MT5143	Advanced Functional Analysis
10	MT5543	Computational Fluid Dynamics
11	MT5043	Electromagnetic Wave Theory
12	MT5233	Finite Element Methods
13	MT5813	General Relativity
14	MT5053	Celestial Mechanics