FUNDAMENTAL OF COMPUTER SCIENCE				
	Part-1: Overview of Computer Science			
01	Structure and Organization of computing	07		
02	Computational Thinking	06		
	Part-3: Architecture and Organization			
01	Digital Logic	07		
02	Memory Systems	07		
03	Storage Systems	12		
04	High-Speed Computer Arithmetic	05		
05	Input / Output Devices and Interaction Techniques	16		
06	Performance Enhancements	05		
07	Parallel Architectures	07		
80	Multicore Architectures and Their Software Landscape	05		
09	DNA Computing	04		
	Part-4: Networking and Communication			
01	Network Organization and Topologies	04		
02	Routing Protocols	05		
03	Access Control	07		
04	Data Compression	06		
05	Localization in Underwater Acoustic Sensor Networks	07		
06	Semantic Web	05		
07	Web Search Engines: Practice and Experience	07		
	Part-5: Operating System			
01	Process Synchronization and Inter-process Communication	04		
02	Thread Management for Shared-Memory Multiprocessors	05		
03	Virtual Memory	13		
04	Secondary Storage and File-systems	03		
05	Performance Evaluation of Computer Systems	10		
06	Taxonomy of Contention Management in Interconnected Distributed Systems	06		
07	Real-Time Computing	04		
80	Scheduling for Large-Scale Systems	08		
09	Distributed File Systems	06		
10	Mobile Operating Systems	05		
11	Service-Oriented Operating Systems	05		
	Part-6: Computational Science and Graphics			
01	Computational Electromagnetics	09		
02	Computational Fluid Dynamics	04		
03	Computational Astrophysics	05		
04	Computational Chemistry	07		
05	Computational biology: The Fundamentals of Sequence-Based Techniques	05		
06	Terrain Modeling for the Geosciences	06		
07	Geometric Primitives	06		
08	Computer Animation	10		

	COMPUTER SCIENCE & ALGORITHMS	
	Part-8: Programming Languages	
01	Imperative Language Paradigm	05
02	Object-Oriented Language Paradigm	05
03	Logic Programming and Constraint Logic Programming	15
04	Multi-paradigm Languages	05
05	Scripting Language	04
06	Compilers and Interpreters	07
07	Programming Language Semantics	05
08	Type Systems	05
09	Formal Methods	05
	Part-2: Algorithms and Complexity	
01	Data Structure	08
02	Basic Techniques for Design and Analysis of Algorithms	05
03	Graph and Network Algorithms	08
04	Computational Geometry	04
05	Complexity Theory	14
06	Formal Models and Computability	05
07	Cryptography	05
08	Algebraic Algorithms	05
09	Some Practical Randomized Algorithms and Data Structures	06
10	Approximation Algorithms and Metaheuristics	03
11	Combinatorial Optimization	08
12	Graph Drawing	05
13	Pattern Matching and Text Compression Algorithms	09
14	Distributed Algorithms	05
	Part-7: Intelligent Systems	
01	Paraconsistent Logic-Based Reasoning for Intelligent Systems	04
02	Qualitative Reasoning	06
03	Machine Learning	04
04	Explanation-Based Learning	05
05	Search	07
06	Planning and Scheduling	05
07	Natural Language Processing	05
08	Understanding Spoken Language	05
09	Neural Networks	04
10	Cognitive Modeling	05
11	Graphical Models for Probabilistic and Causal Reasoning	05

	COMPUTER SCIENCE & SOFTWARE ENGINEERING	
	Part-9: Discipline of Software Engineering	
01	Discipline of Software Engineering: AN Overview	07
02	Professionalism and Certification	06
03	Software Engineering Code of Ethics and Professional Practice	05
04	Software Business and Economics	04
05	Open Source and Governance: COTS	05
	Part-10: Software Quality and Measurement	
01	Evidence-Informed Software Engineering and the Systematic Literature Review	05
02	Empirical Software Engineering	06
03	Software Quality and Model-Based Process Improvement	05
04	Software Metrics and Measurements	04
	Part-11: Software Development Management	
01	Software Development: Management and Business Concepts	07
02	Project Personnel and Organization	06
03	Project and Process Control	04
04	Agile	05
05	Service-Oriented Development	05
06	Software Product Lines	04
	Part-12: Software Modeling, Analysis, and Design	
01	Requirements Elicitation	11
02	Specification	04
03	Software Model Checking	06
04	Software Design Strategies	05
05	Software Architecture	06
06	Human-Computer Interfaces for Speech Applications	02
07	Software Assurance	07