

Week Beginning	Term	Week Number	Paper 1 Topic	Paper 1 Specification number	Paper 2 Topic	Paper 2 Specification number
31/08/2020	1a	1	4.1.1 Programming	4.1 Fundamentals of programming	4.5.1 Number systems	4.5 Fundamentals of data representation
07/09/2020		2	4.1.2 Programming paradigms		4.5.2 Number bases	
14/09/2020		3			4.5.3 Units of information	
21/09/2020		4			4.5.4 Binary number system	
28/09/2020		5			4.5.5 Information coding systems	
05/10/2020		6			4.5.6 Representing images, sound and other data	
12/10/2020		7				
19/10/2020	HALF TERM					
26/10/2020	HALF TERM					
02/11/2020	1b	1	4.2.1 Data structures and abstract data types	4.2 Fundamentals of data structures	4.6.1 Hardware and software	4.6 Fundamentals of computer systems
09/11/2020		2	4.2.2 Queues		4.6.2 Classification of programming languages	
16/11/2020		3	4.2.3 Stacks		4.6.3 Types of program translator	
23/11/2020		4	4.2.4 Graphs		4.6.4 Logic gates	
30/11/2020		5	4.2.5 Trees		4.6.5 Boolean algebra	
07/12/2020		6	4.2.6 Hash tables		4.7.1 Internal hardware components of a computer	4.7 Fundamentals of computer organisation and architecture
14/12/2020		7	4.2.7 Dictionaries & 4.2.8 Vectors		4.7.2 The stored program concept	
21/12/2020	Christmas Holiday					
28/12/2020	Christmas Holiday					
04/01/2021	2a	1	4.3.1 Graph-traversal	4.3 Fundamentals of algorithms	4.7.3 Structure and role of the processor and its components	
11/01/2021		2	4.3.2 Tree-traversal		4.7.4 External hardware devices	
18/01/2021		3	4.3.3 Reverse Polish		4.9.1 Communication	4.9 Fundamentals of communication and networking
25/01/2021		4	4.3.4 Searching algorithms		4.9.2 Networking	
01/02/2021		5	4.3.5 Sorting algorithms		4.9.3 The Internet	
08/02/2021		6	4.3.6 Optimisation algorithms		4.9.4 The Transmission Control Protocol/Internet Protocol (TCP/IP) protocol	
15/02/2021	HALF TERM					
22/02/2021	2b	1	4.13 Systematic approach to problem solving	Coursework	4.8.1 Individual (moral), social (ethical), legal and cultural issues and opportunities	4.8 Consequences of uses of computing
01/03/2021		2			4.10.1 Conceptual data models and entity relationship modelling	4.10 Fundamentals of databases
08/03/2021		3			4.10.2 Relational databases	
15/03/2021		4			4.10.3 Database design and normalisation techniques	
22/03/2021		5			4.10.4 Structured Query Language (SQL)	
29/03/2021		6			4.10.5 Client server databases	
05/04/2021	Easter Holiday					
12/04/2021	Easter Holiday					
19/04/2021	3a	1	4.4.1 Abstraction and automation	4.4 Theory of computation	4.11.1 Big Data	4.11 Big Data
26/04/2021		2	4.4.2 Regular languages			
03/05/2021		3	4.4.3 Context-free languages		4.12.1 Functional programming paradigm	4.12 Fundamentals of functional programming
10/05/2021		4	4.4.4 Classification of algorithms		4.12.2 Writing functional programs	
17/05/2021		5	4.4.5 A model of computation		4.12.3 Lists in functional programming	
24/05/2021		6				
31/05/2021	HALF TERM					
07/06/2021	3b	1				
14/06/2021		2				
21/06/2021		3				
28/06/2021		4				
05/07/2021		5				
12/07/2021		6				
19/07/2021	Summer Holiday					
26/07/2021	Summer Holiday					
02/08/2021	Summer Holiday					
09/08/2021	Summer Holiday					
16/08/2021	Summer Holiday					
23/08/2021	Summer Holiday					

Assessment

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