

Date (WB)	Week	D1 Chapter	D1 Section	Homework
Scheme of Work Class: MAU D1 Tutor: Abdul Sami Textbook: Edexcel AS and A level Modular Mathematics D1, Series director Keith Pledger, ISBN: 978 0 435519 19 3				
4-Sep	1	1 Algorithms	1.1 Algorithms in words	1A
			1.2 Implementing algorithms	1B
11-Sep	2		1.3 Bubble sort	
			1.4 Quick sort	1C
			1.5 Binary search	1D
			1.6 Implementation and limitations	1E, 1F + PPQ
18-Sep	3	2 Graphs and Networks	2.1 Creating models from networks	
			2.2 Terminology of Graph Theory	2A
25-Sep	4		2.3 Special Graphs	
			2.4 Matrix representations of graphs	2B, 2C + PPQ
2-Oct	5	Revision		
9-Oct	6	MINI MOCK		
16-Oct	7	Review of Mock		
HALF TERM				
30-Oct	8	3 Algorithms on networks	3.1 Kruskal's Algorithm	3A
6-Nov	9		3.2 Prim's Algorithm	3B
13-Nov	10		3.3 Application of Prim's	3C
20-Nov	11		3.4 Dijkstra's Algorithm	3D, 3E + PPQ
27-Nov	12	Revision		
4-Dec	13	MOCK EXAM		
11-Dec	14	Review of Mock		Xmas Hwk
END OF TERM XMAS HOLIDAYS				
1-Jan	15	4 Route inspection	4.1 Transeversibility of graphs	4A
8-Jan	16		4.2 Finding a shortest route	4B, 4C + PPQ
15-Jan	17	5 Critical Path analysis	5.1 Activity network	5A
			5.2 Dummies	5B
22-Jan	18		5.3 Forward and Backward passes	5C
29-Jan	19		5.4 Critical activities	5D
			5.5 Total float	5E
5-Feb	20		5.6 Gantt charts	5F + PPQ
			5.7 Using Gantt charts	5G
			5.8 Scheduling diagram	5H, 5I + PPQ
HALF TERM				
12-Feb	21	6 Linear Programming	6.1 Formulation of problems	6A
19-Feb	22		6.2 Graphs of two variable problems	6B
26-Feb	23		6.3 Objective line method	
			6.4 Vertex testing method	6C
			6.5 Integer solutions	6D, 6E + PPQ
5-Mar	24	7 Matchings	7.1 Matching using bipartite graphs	7A
			7.2 Matching algorithms	7B + PPQ
12-Mar	25	MOCK EXAM		Easter Hwk
END OF TERM EASTER HOLIDAYS				
16-Apr	26	Revision		Full Past papers
23-Apr	27	Revision		Full Past papers
30-Apr	28	Revision		Full Past papers
7-May	29	Revision		Full Past papers
14-May	30	Revision		Full Past papers
21-May	31	Revision		Full Past papers

