Group theory

Book: Dummit and Foote – Abstract Algebra, 3rd edition

22/3	(DF) 1.1-1.2	Basic properties of groups	Sec. 1.1: 1, 5, 9, 12, 13, 20 Sec. 1.2: 4, 9, 10
25/3	(DF) 1.3-1.6	Examples of groups, homomorphisms and isomorphisms	Sec. 1.2: 7, 18 Sec. 1.3: 4, 10, 11, 15 Sec. 1.6: 1, 2, 5, 11, 18
26/3	-	Discussion	_
27/3	(DF) 1.7, 2.1	Group actions Subgroups	Sec. 1.7: 2, 6, 8, 11, 15 Sec. 2.1: 1, 3, 5, 9
29/3		Holiday	-
1/4	(DF) 2.2-2.3	Centralizers, normalizers and cyclic groups	Sec. 2.2: 2, 3, 5(a), 6(a), 10 Sec. 2.3: 2, 12, 16
2/4	-	Quiz 6	_
3/4	(DF) 2.3, 31	Subgroups of cyclic groups and quotient groups	Sec 2.3: 20, 24 Sec 3.1: 1, 2, 6, 9, 11
5/4	(DF) 3.1	Quotient groups and cosets	Sec 3.1: 12, 14(a, b), 22(a), 24, 26(a, b), 36
8/4	(DF) 3.2, 3.3	Lagrange's theorem and first isomorphism theorem	Sec 3.2: 4, 5, 6, 10, 15
9/4	-	Discussion	-
10/4	(DF) 4.1-4.3	Cayley's theorem and class equation	Sec 4.1: 1, 4, 9(a) Sec 4.2: 1, 2, 9, 11 Sec 4.3: 2, 4, 10