Hour Exam Syllabus, Practice Exercises

“Supplements” are on the course web page.

1.1 See Supplement to Section 1.1. Exercises from 1.1: 1(a)–(c), 6(d)–(f), 7, 9.
1.2 Skip Generators and Relations through the rest of the section.
1.3 Exercises from 1.3: 6, 7.
1.4 Exercises from 1.4: 2, 4, 8, 11.
1.5 Exercises from 1.5: 1, 2.
1.6 Exercises from 1.6: 1, 2, 4, 10, 18, 19.
1.7 Exercises from 1.7: 3, 8, 11, 17.

2.1 See Supplement to Section 2.1. Exercises from 2.1: 2(a), 6, 10.
2.2 Exercises from 2.2: 3, 6, 14.
2.3 See Supplement to Section 2.3. Exercises from 2.3: 1, 2, 10, 13, 24.
2.4 Exercises from 2.4: 2, 3, 6, 14.
2.5 Exercises from 2.5: 6(c), 9.

3.1 See Supplement to Section 3.1. Exercises from 3.1: 1, 6, 8, 11, 14(a)(b), 22, 28, 30, 35.
3.2 See Supplement to Section 3.2. Exercises from 3.2: 1, 4, 6, 7, 8, 18.
3.3 See Supplement to Section 3.3. Exercises from 3.3: 7.
3.4 Skip
3.5 Know results. Exercises from 3.5: 1, 2, 9, 15.
4.1 See *Supplement to Sections 4.1–4.3*. Exercises from 4.1: 1, 2, 7, 9.

4.2 Exercises from 4.2: 8, 12, 13.

4.3 Skip Conjugacy in $S_n$ through rest of section. Exercises from 4.3: 5, 6, 10, 13, 25, 30.

4.4 Skip Proposition 17 through the rest of the section. Exercises from 4.4: 1, 6, 7, 13.

4.5 Skip Examples, except the one on groups of order $pq$. Exercises from 4.5: 1, 6, 13, 15, 30.

4.6 See *Supplement to Section 4.6*.

5.1 Exercises from 5.1: 1, 4, 18.

5.2 Exercises from 5.2: 1(a)(e), 2(a)(c), 3(a)(c), 6, 9.

5.3 Skip section.

5.4 Skip Proposition 8 and Examples of the section. Exercises from 5.4: 1, 2, 4, 5, 11, 15, 20.