**Exam 2: Organic Chemistry ….Snapshot of Exam section titles/points**

**2.1 Nomenclature (14 pts)**

Name or provide the structure for the compounds below. Either IUPAC or common names are ok. (2 point each/14 pts total)

**2.2. Diene cycloaddition chemistry** (12 points)

Predict the products in the cycloadditions below: (3 pts per box)

**2.3. Classical Diene and Allyl Chemistry (24 pts)**

**2.3.1. Allyl Radical chemistry (4 pts)**

**2.3.2. Carbocation diene chemistry (10 pts)**

**2.3.3 Allylic carbocation chemistry (10 pts)**

**2.4 Aromaticity: the big picture (20 pts)**

**2.5. Aromatic, Electrophilic Reactions (36 pts)**

**2.5.1. Making Lewis acids for electrophilic aromatic substitution (3 pts each/9 pt total)**

**2.5.2 Multi-substituted aromatic syntheses (4 pts each/12 pts total)**

**2.5.3 Building Hooks and Handles 5 pts each (15 points total)**

Starting from benzene, alcohols or acid chlorides find routes to: …