Study Sheet for Unit E Test

You are allowed to have a formulas only cheat sheet.

Grade 9:

Chapter 11: Static electricity

Definition, charges, charging by: contact, conduction, induction, electric discharge

Conductors, insulators

Chapter 12: Electrical Energy Production

Current electricity, electric circuits, electrical energy, forms and generating electricity

Electrical power and efficiency

Chapter 13: Electrical quantities in circuits: diagrams, series, parallel, electric current I, potential V, resistance R

Ohm’s Law, potential drop and current in series and parallel circuits

Unit terminology

Grade 10:

Chapter 11: production of light

Definition and production of light

The ray model of light, reflection, law of reflection, images in plane mirrors., images in curved mirrors.

Chapter 12: the refraction of light

Definition and causes of refraction, index of refraction. Total refraction, phenomena related to refraction.

Chapter 13: Lenses and Optical devices

Lenses and formation of images, images in lenses,

The lens equations, lens applications, the human eye

Unit terminology