

Grade 10: Work to be covered for the June Examination.

22nd May 2017.

Theory. [Paper One - 2 hours.]

A.

1. The atmosphere.

It is important that you learn to draw sketches to support your answer wherever necessary.

- a. Composition and structure of the earth's atmosphere.
- b. Global warming and possible consequences.
- c. Heating of the atmosphere both vertically and horizontally.
- d. Moisture in the atmosphere.
- e. Transfer of energy as matter changes state.
- f. Formation of clouds and recognition of the three main cloud types.
- g. Reading and interpreting synoptic weather maps.

B.

2. Geomorphology.

- a. The structure of the earth.
- b. Plate tectonics.
 - (i) Support of theory.
 - (ii) Convection currents(Holmes)
 - (iii) Terms: Pangaea, Gondwanaland, Laurasia.
 - (iv) Tension, compression.
- c. Folding and faulting.
 - (i) Types of folds.
 - (ii) Rift and Block mountains
- d. Earthquakes: .Waves (Primary, Secondary) Focus and Epicentre.
- e. Volcanoes. Types of volcanoes.
- f. Influence of d and e on the disruption of human and economic activities.

Total marks: 200

Map work. [Paper Two – 1 hour.]

1. Introduction to geographical skills and techniques.

- a. Geographic Information Systems (GIS).
- b. Working with:
 - Topographic maps,
 - aerial photographs,
 - orthophoto maps and
 - Satellite images.
- c. How to identify objects and read maps.
- d. How to
 - describe and calculate compass / map direction,
 - find and describe positions on maps using co-ordinates.
- e. The meaning of true and magnetic bearing.
- f. Learn to calculate
 - actual distance (express answers in km and m.)
 - gradient and
 - draw simple cross sections.

Total marks: 100