NATIONAL OPEN 14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS SCHOOL OF SCIENCE AND TECHNOLOGY JUNE/JULY EXAMINATION

COURSE CODE: ESM343

COURSE TITLE: CLIMATE CHANGE

TIME ALLOWED: 2 HOURS

INSTRUCTION: Answer any four (4) questions only

Q1. The atmosphere is made up of different gases of various compositions.

Discuss.

- Q2. Ozone layer shield the earth surface from harmful radiation, explain.
- Q3. With the aid of diagram, explain the processes that modify the incoming solar radiation.
- Q4. Explain the following terms;
- (a) lapse rate
- (b) environment lapse rate
- (c) dry adiabatic lapse rate. (d) Isotherm.
- Q5. The effects of acid deposition on environment can not be over emphasized. Discuss.
- Q6. a. What did you understand by the word climate change?
- b. Differentiate between greenhouse gasses and greenhouse effects.
- c. What are the factors responsible for climate change?