

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET 311 (2units)

COURSE TITLE: GENERAL CIRCULATION OF ATMOSPHERE 1

INSTRUCTION: Answer any Three Questions. The use of illustrative diagrams with specific and relevant examples will be rewarded.

TIME ALLOWED: 2hrs

1. "The average amount of energy the earth absorbs from the sun each year is equal to the average energy the earth loses to space". Discuss.

2. Examine the various experimental techniques designed in the modification of weather and its relationship in general circulation of the atmosphere.

3. Identify and explain the principal factors that interfere with the normal pattern of general atmospheric circulation.

4. a Define Jet Stream

b. Examine the importance of northern polar jet stream in relation to aviation and weather forecasting.

5. Write short notes on the following:

a. Tropical Cyclone.

b. Chinook Wind.

c. Mistral Wind.

d. Harmattan Wind.