

DEPARTMENT OF GEOGRAPHY
SCHOOL OF PHYSICAL SCIENCES
FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
FIRST SEMESTER 2015/2016 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET315

COURSE UNIT: 3 UNITS

COURSE TITLE: SYNOPTIC CLIMATOLOGY

INSTRUCTION: ANSWER ANY FOUR QUESTIONS

1. Discuss weather and climate in the middle and high latitude largely by series of cyclones and anti cyclones.
2. Discuss the basic classification of air masses.
3. Discuss the condition that must be fulfilled before frologenesis and hence frontal depression to take place.
4. Write short notes on **any two** of the following :
 - i. Thermal depression
 - ii. Polar air depression
 - iii. Lee depression
5. Explain what you understand by tropical cyclone and tornadoes.
6. Discuss tropical disturbance according to their space and time scale.