

DEPARTMENT OF GEOGRAPHY

FEDERAL UNIVERSITY OF TECHNOLOGY MINNA

FIRST SEMESTER EXAMINATION 2011/2012 SESSION.

COURSE CODE: MET 315

COUSE TITLE: SYNOPTIC METEOROLOGY

INSTRUCTION: ANSWER ANY FOUR QUESTIONS, THE USE OF RELEVANT DIAGRAMS AND ILLUSTRATION SHALL BE REWARDED.

TIME ALLOWED: 2½ Hours

1. Outline the conditions that must be fulfilled before froto**genese** occurs.
2. Weather system can be classified in many categories according to their space and time scale. Discuss.
3. With the aid of a diagram explain tropical cyclones.
4. The circulation of wind around a tornado is usually in a counter clockwise direction. Elaborate.
5. Attempt an explanation of linear system in the tropics.
6. Write short note on the following.
 - i. Easterly waves
 - ii. Monsoon depression
 - iii. ITCZ.