

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF NATURAL AND APPLIED SCIENCES

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2012/2013 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET 315 (2 units)

COURSE TITLE: Synoptic Meteorology

INSTRUCTIONS: Answer any **FOUR** questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

TIME : 2 Hours

- 1a. Define air mass, air front and the occluded front.
- b. Discuss the characteristics of cold air mass and warm air mass.
2. Write **short Notes** on cyclone and anti cyclone.
3. Write a brief essay on thunderstorms.
4. Describe three (3) types of non frontal depressions and explain their occurrences.
5. Describe the view that weather change in the tropics is frequent and complex with quite distinct types of weather.
6. Discuss and classify the weather systems according to their space and time scale.