

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

SCHOOL OF SCIENCE AND SCIENCE EDUCATION

DEPARTMENT OF GEOGRAPHY

FIRST SEMESTER 2010/2011 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET 315

COURSE TITLE: Synoptic Meteorology

INSTRUCTIONS: Answer any four (4) questions of your choice. Credit will be given for the use of specific examples and appropriate diagrams.

TIME ALLOWED: 2 ½ hours.

1. Examine the role of cyclones and anticyclone as weather factors in the middle and high latitude regions of the
2. With the aid of a diagram, explain the stages of frontal depression.
3. Write short note on the following:
 - a) Linear systems;
 - b) Easterly waves;
 - c) ITCZ.
4. In what respect is the monsoon regime of West Africa similar to that of Southern Asia.
5. Explain the tropical disturbance or weather system in the order of their space and time scale.
6. Give a detailed description of the various types of front with their general characteristic.