

# DEPARTMENT OF GEOGRAPHY

SCHOOL OF SCIENCE AND SCIENCE EDUCATION

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

2<sup>nd</sup> SEMESTER EXAMINATION, 2009/2010 SESSION

COURSE CODE : MET 524

TIME : 2Hr 30 Mins

COURSE TITLE : ADVANCED TOPICS IN TROPICAL METEOROLOGY

INSTRUCTION : ANSWER ANY THREE (3) QUESTIONS

- 1) Discuss the importance of water vapour as an essential component of the Tropical Atmosphere.
- 2) Critically compare the characteristics of the Tropical Cyclone with those of the Middle latitude depressions.
- 3) a) Define the Monsoon.  
b) Distinguish between the West African Monsoon and that of Indian Sub-peninsula
- 4) Examine the significance of the Inter-tropical Convergence Zone (ITCZ) as a factor of weather and Climate in the Tropics.
- 5) Define and relate drought types to desertification. How can both drought and desertification be controlled in Nigeria?

