

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF SCIENCE AND SCIENCE EDUCATION
DEPARTMENT OF GEOGRAPHY

SECOND SEMESTER 2009/2010 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: MET 324

COURSE TITLE: METROLOGICAL FIELD STUDIES AND INSTRUMENTAL
MAINTAINANCE.

INSTRUCTION: ANSWER ANY FOUR QUESTIONS.

TIME ALLOWED: 2½ Hours

- 1) a) Discuss the pitch evaporimeter as a delicate and sensitive instrument.
Expatiate.
b) Explain the major sources of error of the American standard class A
pan.
- 2) a) Differentiate between cloud composition and mountain wave.
b) State the condition favourable for the formation of mountain wave.
- 3) Explain how the evaporation tank and portable evaporimeter are used,
and discuss the merit and demerit of each.
- 4) Discuss the major observational constrains of Meteorology in Nigeria.
- 5) List and explain four weather elements that influence the landing and
taking off of an aircraft.
- 6) Discuss the effect of cumulonimbus clouds on the smooth running of the
aviation industry.