

DEPARTMENT OF GEOGRAPHY

SCHOOL OF SCIENCE AND SCIENCE EDUCATION

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA

1st SEMESTER EXAMINATION, 2011/2012 SESSION

COURSE CODE: MET 413

TIME: 3 Hours

COURSE TITLE: AERONAUTIC METEOROLOGY

INSTRUCTION: ANSWER ANY **FOUR (4)** QUESTIONS OF YOUR CHOICE

- 1) Discuss with relevant examples the merits and limitations of present weather forecasting
Televised by NTA to the aviation industry in Nigeria.
- 2) Account for the weather minima for landing and taking off of aircrafts at Minna International
Airport.
- 3) "A Pilot flies an airplane from one place to another by using aerial navigation. With it he plots the
Course, follows it while in flight, and determines the plane's position if it gets off course"
Expatiate on the above statement, emphasizing the role of air navigation and traffic services
In the operation of aviation industry.
- 4)a) Discuss any five(5) weather hazards affecting aviation's operations in Nigeria.
b) Give five (5) examples of any weather related air crashes in Nigeria recently.
- 5) Describe the role of ICAO and WMO in global aviation operations and draw lessons for Nigeria.
- 6) Provide a brief explanatory accounts on any five (5) of the following terms and instrumentation:
a) Run-way Visual Range b) Terminal and en-route forecast c) Favourable weather
e) Instrument Landing system d) Horizontal and Oblique Visibility f) Aeronautic Meteorology
h) Air turbulence and Micro-bursts

GOOD LUCK