

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

SECOND SEMESTER 2010/2011 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM 522 (2 Units)

COURSE TITLE: Planetary Atmospheres

INSTRUCTIONS: Answer any 4 questions

TIME ALLOWED: 2½ Hours

1. Discuss the similarities and differences between the planet Mercury and the Earth's moon.
2. Write an essay on the composition of the Core, Radiative Zone, Convective Zone and the 'Surface' of the Sun..
3. Discuss how Nuclear energy may replace liquid fuels for energy provision in future space missions.
4. Briefly discuss the atmospheric and surface differences between the planets Mars and Venus.
5. Discuss the requirements that would be needed to transform the planet Venus to support life forms.
6. Examine the proposed Antimatter Rockets, giving their advantages and disadvantages in relation to conventional fuel rockets.