

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

SECOND SEMESTER 2009/2010 SESSION UNDERGRADUATE EXAMINATION

**COURSE CODE:** REM 522 (2 Units)

**COURSE TITLE:** Planetary Atmospheres

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

**TIME ALLOWED:** 2½ Hours

1. Discuss the relationship between our galaxy, the Milky Way, and any one galaxy that orbits it, and describe the arrangement of the planets around our Sun.
2. Give the brief history of Space Exploration missions from the Mid-Twentieth Century to the present.
3. Discuss the nature of the different layers of the Solar Atmosphere and explain the interactions with the Earth's atmosphere.
4. Explain the physical features of the planet Mercury and the Earth's moon, giving the similarities and differences.
5. Explain how global engineering experts are thinking of Terraforming the planet Mars to be able to sustain human habitation.
6. In what ways is it possible to Terraform the planet Venus, so that it can sustain life?

OK

