

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

**SECOND SEMESTER 2010/2011 SESSION UNDERGRADUATE EXAMINATION**

**COURSE CODE:** REM 320

**COURSE TITLE:** SYSTEM II - RADAR

**INSTRUCTIONS:** Answer any four (4) questions

**TIME ALLOWED:** 2½ Hours

1. Describe the major types of imaging radar system and the fundamental components of a radar system
2. Discuss the historical development of imaging radar systems used in remote sensing
3. Examine the principles and limitations of Real Aperture Radar (RAR) system
4. With specific examples, describe the effect of radar viewing geometry on the resultant image.
5. Give a detailed explanation of radar transmission characteristic of a radar system
6. Discuss the principal factors that determine backscatter- coefficient