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

SECOND SEMESTER 2010/2011 SESSION UNDERGRADUATE EXAMINATION

COURSE CODE: REM 324 (3 Units)

COURSE TITLE: ADVANCED DIGITAL IMAGE PROCESSING

INSTRUCTIONS: Answer any 4 questions

TIME ALLOWED: 2½ Hours

1. Distinguish between the computer's requirements for digital image processing and word processing by a typical company secretary.
2. Discuss the three main formats for storing remotely sensed digital images.
3. How would you improve the visual interpretability of remotely sensed images using colour information?
4. Using a flow chart, describe the steps involved in analysing Landsat TM Imagery.
5. Discuss the major characteristics of imaging remote sensing instrument operating in the visible and infrared spectral region.
6. Distinguish between the following image enhancement techniques:
 - a. Spectral and multispectral enhancement techniques.
 - b. Greyscale and false colour composite.