DEPARTMENT OF LAND RESOURCES, PLANNII ALP2307: REMOTE SENSING 2	NG AND MANAGEMENT	me: 1.5Hrs
12 th January 2018	• •	
Instructions: Answer all Questions		
Define the following terms as used in remote a) Geostationary satellites b) Spectral reflectance c) Radiometric resolution d) Push-broom scanning e) False colour composite		(5m)
Outline the principles of microwave remote se		ntages (5)
3. Describe the multispectral scanning system, g	giving examples	(5)
 Give the main differences between Landsat M differences may affect a typical forest classificat 	ASS and Landsat TM data and ion of age and species classe	d how the
5. Mention any 2 major applications of a) NOAA AVHRR data b) SPOT data		(2)
6. Define (a) visual image interpretation (b) Imag		(4)
7. Briefly explain the main pre-process stages of quantitative data analysis	remotely sensed images to e	enable (8)
8. Mention the role of contrast stretches in the imaddress why an analyst would pick a particular ty in selecting an inappropriate stretch for a given of	VDE Of Stretch and some of the	ecifically e dangers (4)
9. Differentiate between supervised and unsuper	vised classification.	(2)
10. Briefly describe the following terms: a) Filtering b) Density slicing c) Principal Component Analys	is	(4)
d) NDVI		
11. Explain how remote sensing can be applied in a) Monitoring and management on the sensing can be applied in a position of the sensing can be applied in t	ent of environmental hazards	(6)
vi iii wiiulile aliio tanna mana	mement	