

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2016/2017

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

CITY CAMPUS

NES 808: ENVIRONMENTAL INFORMATION SYSTEM

Date: 29th November, 2016

Time: 2.00 - 5.00 pm

INSTRUCTIONS:

Answer ANY FOUR questions.

ISO 9001:2008 CERTIFIED

NES 808: ENVIRONMENTAL INFORMATION SYSTEM

Time 3 hrs

45

Date

INSTRUCTIONS	
Answer any FOUR questions	
a) Discuss the application of spatial data in management of en resources.	nvironmental (10 Marks)
b) Elucidate components of geographic Information System	(5 Marks
 Discus advantages and disadvantages of raster and vector of Geographical Information System. 	lata as used in (15 Marks)
3 a) Discuss interpretation elements that are used in aerial phot interpretation.	to (12 Marks)
b) Elucidate the relevance of spectral signature in remote sen	sing. (3 Marks
4'a) Elucidate steps involved in making visual information in a useful in provision of spatial information. (5 Marks)	an image
 b) Discuss the main benefits of using Geographic Information managing environmental resources. 	System in (10 Marks)
5 a) Describe spatial, spectral and temporal resolution as used sensing.	in remote (9 Marks)
 b) Describe how microwave remote sensing works and its adv the rest. 	rantage over (6 Marks)
 Discuss advantages and disadvantages of file types used in attribute data as used in Geographic Information System. 	organizing (15 Marks)