

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2015/2016

FOURTH YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE WITH INFORMATION TECHNOLOGY

MAIN CAMPUS

NES 401: ECONOMIC VALUATION FOR ENVIRONMENTAL PROTECTION

Date: 4th January, 2016

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

Answer Question ONE (COMPULSORY) and any other TWO Questions.

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	1. a) Discuss the applicability of Economic Environmental Valuation to	the using
	suitable illustrations.	[10 mks
	b) Explain how we can impute values for zero priced environmental re	esources.
		[10mks]
	c) Using suitable examples, explain what is meant by the following ter	rms.
	 Willingness to Pay (WTP) 	[5mks]
	ii) Revealed preference	[5mks]
	2. Free functioning markets cannot be relied upon to take care of the envir	onment.
	Discuss.	[20 mks
	3. With reference to a private manufacturing company that uses environmental	
	resources for production;	
	 a) Explain how increasing productivity can be synonymous with decreasing 	easing
	Marginal Variable Costs.	[15mks]
	b) Depict graphically the market scenario in (a) above.	[5mks]
	4. Explain how you would conduct environmental valuation using Travel Cost Metho-	
	(TCM).	[20 mks]
	5. Firms use environmental resources to produce commodities whose sale generates	
	revenue for the firms through the market mechanism. Represent graphically:	
	a) The market interaction of supply and demand that determines th	e equilibriu
	price of a commodity.	[7 mks]
	b) Market price that determines the amount of revenue an individua	al firm
	receives.	[6 mks]
	c) A self-equilibrating market mechanism of (a) and (b) above	[7 mks]
	Discuss the limitations of Hedonic pricing method.	[20 mks]