NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF APPLIED SCIENCES DEPARTMENT OF FOREST RESOURCES AND WILDLIFE MANAGEMENT BACHELOR OF SCIENCE HONOURS DEGREE MAINEXAMINATION

SILVICULTURE: EFW 4108

January 2013	Time Allowed: 3 Hours	Total Marks: 100
INSTRUCTIONS TO CANDIDATES: Answer QUESTION ONE and any THREE others. Each question carries 25 marks .		
 Give a detailed outline of plantations. 	economic, biological and social fac	ctors in commercial timber
2. Discuss the importance of	f introducing plantation forestry in 2	Zimbabwe.
3. Discuss the feasibility of	natural regeneration in a production	plantation.
4. (a) Clearly explain the fol(i) systematic thinning(ii) selective thinning	llowing methods used in thinning:	[5 marks] [5 marks]
(b) Outline the mensurati	ional effects of thinning	[15 marks]
5. Describe the silvicultural	systems that result in even aged for	ests.
6. (a) Describe three factors that influence the selection of a site preparation method.		
[10 marks] (b) Explain in detail the te	echniques that are used for site prep	aration. [15 marks]
*** END OF PAPER ***		