



# **EASERN UNIVERSITY, SRI LANKA**

**THIRD EXAMINATION IN SCIENCE –SPECIAL REPEAT**

**FIRST SEMESTER 2004-2005 (DECEMBER 2006)**

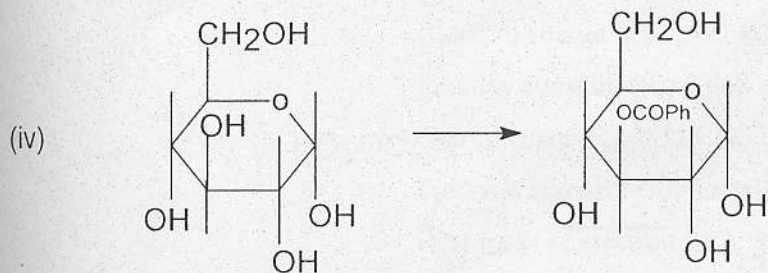
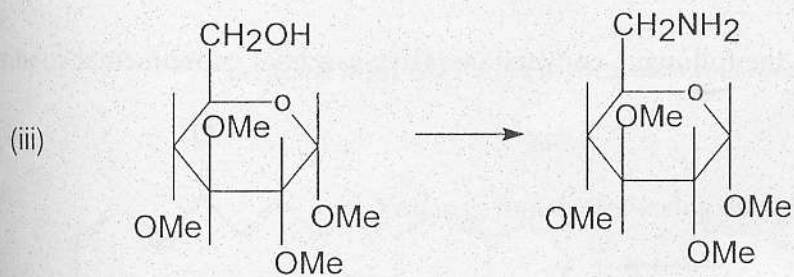
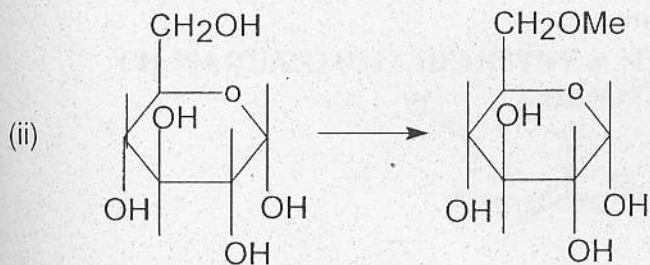
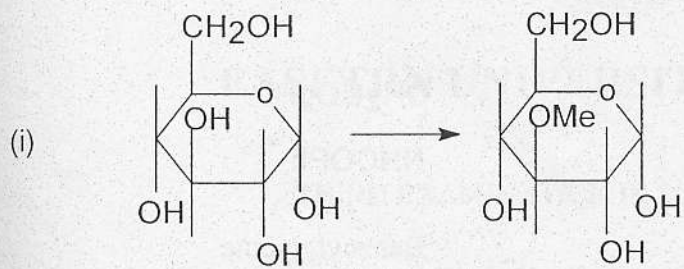
**CH 301 CHEMISTRY OF NATURAL PRODUCTS**

**Time allowed: ONE Hour**

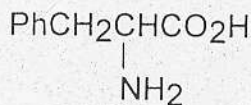
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*Candidate must NOT start writing their answers until told to do so*

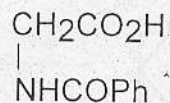
(1) Show how you would do the following conversions. Give essential experimental conditions.



(2) (a) By means of equation show how Phenylalanine could be synthesized from benzaldehyde (PhCHO) and benzoylglycine. Give essential experimental conditions.

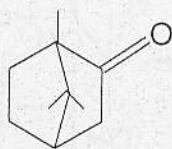


Phenylalanine



Benzoylglycine

(b) Outline one method to synthesize Camphor



Camphor

(c) Show how you would do the following conversions. Give essential experimental conditions

