

Sample

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**THE OPEN UNIVERSITY OF SRI LANKA**  
**B.Sc. / B. Ed. Degree Programme**  
**and Stand Alone Courses in Science - 2017/2018**  
**CYU4303/CYE4303 - Organic Chemistry I**  
**CONTINUOUS ASSESSMENT TEST I**

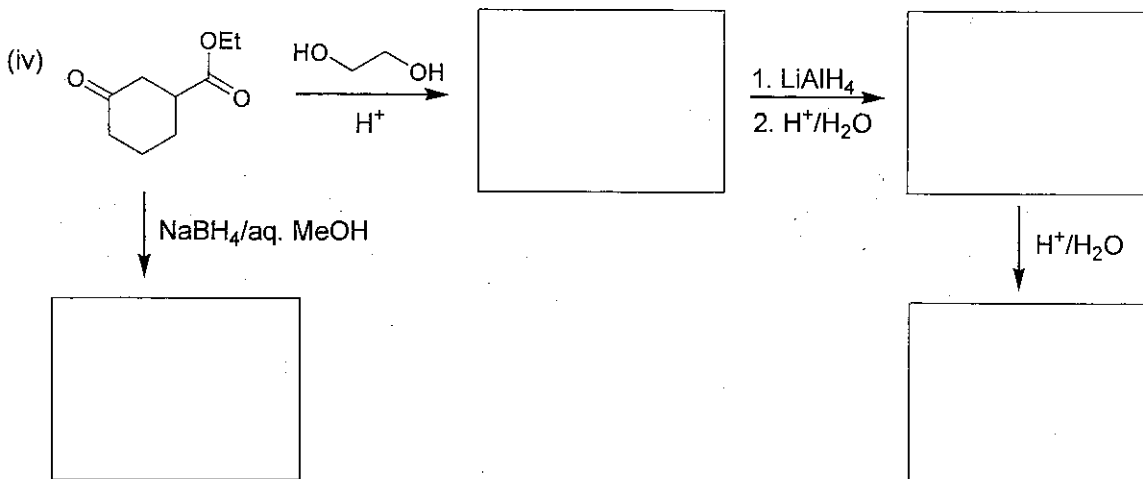
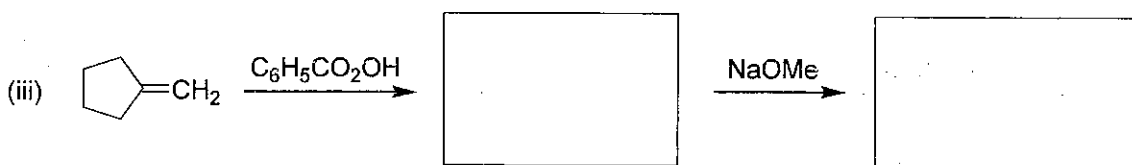
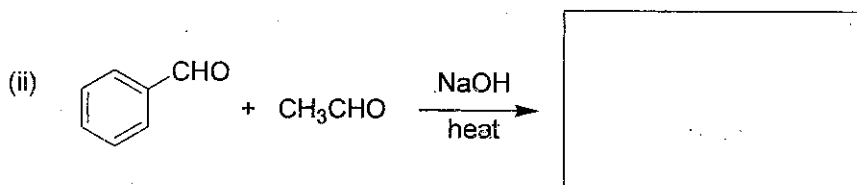
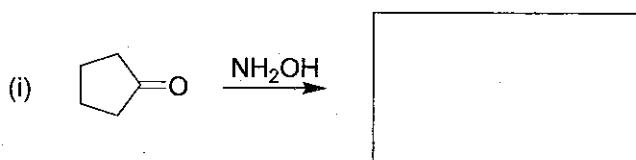
Ques No.	Max.	Marks
1	50	
2	30	
3	20	
Total	100	

Wednesday 20<sup>th</sup> June 2018

4.15 p. m. – 5.15 p. m.

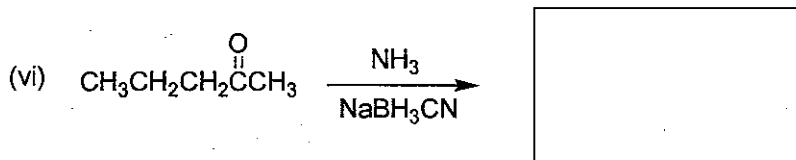
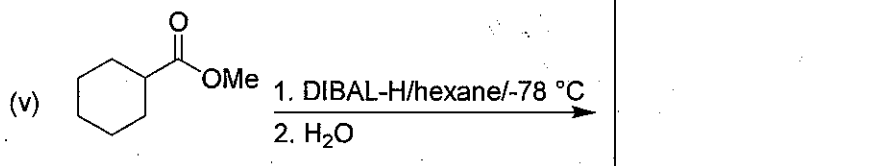
**ANSWER ALL QUESTIONS**

1. Write the major products of each of the following reactions/reaction schemes in the boxes.



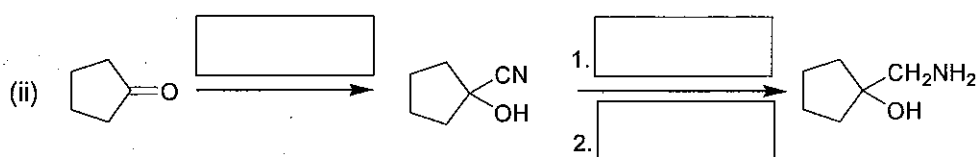
Reg. No.

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(50 marks)

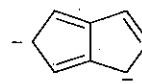
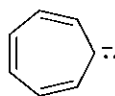
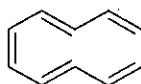
2. (a) Give the missing reagents of the following reaction schemes.



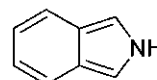
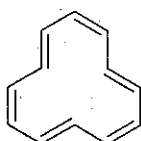
(b) Show how you would prepare  $\text{CH}_3\text{CH}_2\text{CH}_2\text{NH}_2$  from  $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br}$  using Gabriel phthalimide synthesis.

(30 marks)

3. State whether each of the following compound/ion is aromatic, non-aromatic or anti-aromatic.



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(20 marks)

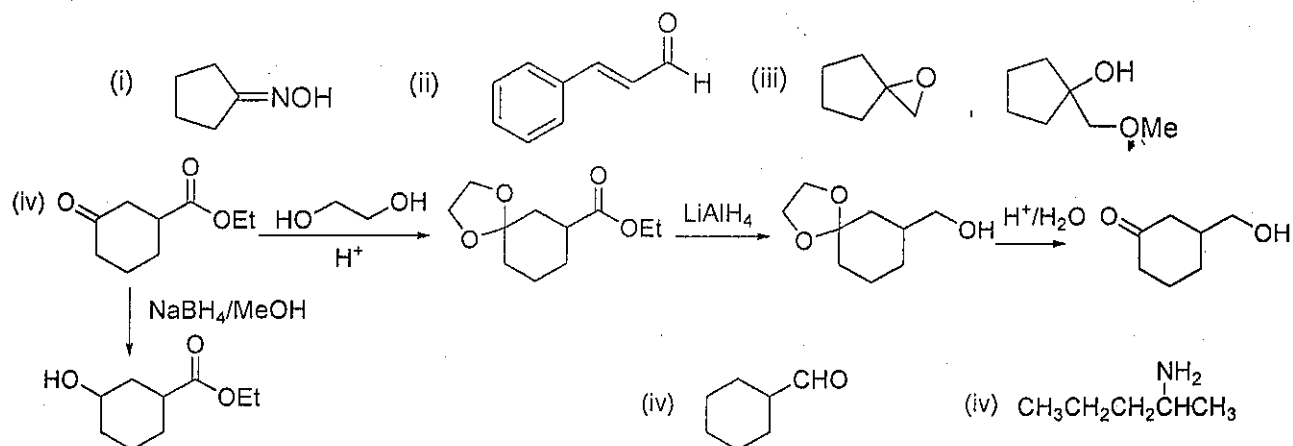
## THE OPEN UNIVERSITY OF SRI LANKA

B.Sc. Degree Programme and Stand Alone Courses in Science - 2017/2018

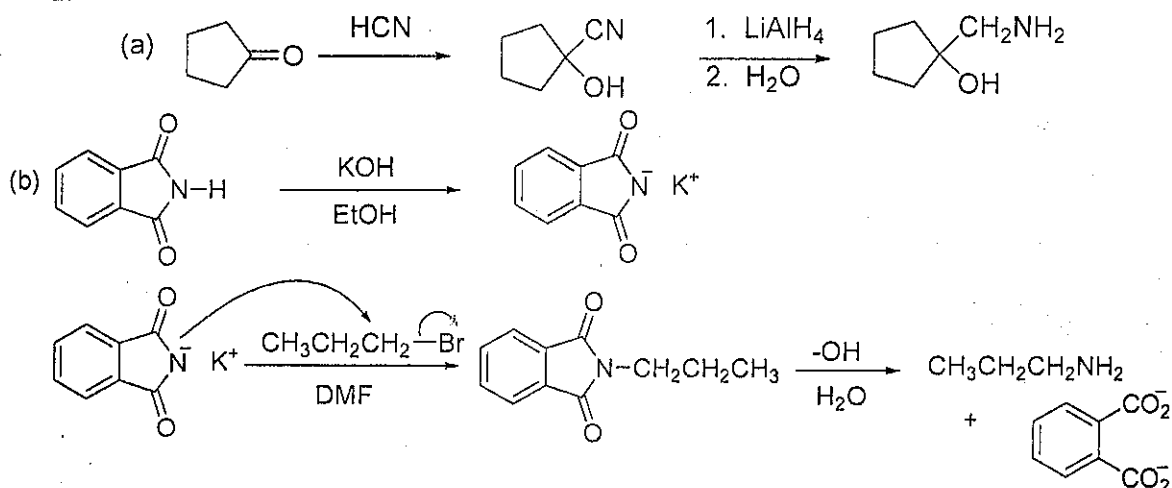
CYU43031/CYE4303 - Organic Chemistry 1

Answer Guide - CAT I

1.



2.



3. Non aromatic, anti-aromatic, aromatic, aromatic, anti-aromatic (clockwise from top left hand corner)

