



The Open University of Sri Lanka
B.Sc Degree Programme and
Stand Alone Courses in Science- 2006/2007
CHU 2221/CHE 4221 - Organic Chemistry
ASSIGNMENT TEST II

Ques.No	Max	Marks
MCQ	40	
01	30	
02	35	
Total	105	

Index No.

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Name:-.....

This question paper consists of 2 parts, **PART A & PART B**.
PART A carries 20 multiple choice questions.
PART B carries 02 structured type questions.

ANSWER ALL QUESTIONS

INSTRUCTIONS:

Each item is a statement or question that may be answered by one of the five responses given. There is only **one best** answer to every question. Mark a cross (X) over the most suitable answer.

For each correct response, **two (2) marks** will be awarded. For each incorrect response, **0.4 marks** will be deducted.

1.

1	2	3	4	5
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 2.

1	2	3	4	5
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 3.

1	2	3	4	5
---	---	---	---	---
4.

1	2	3	4	5
---	---	---	---	---

 5.

1	2	3	4	5
---	---	---	---	---

 6.

1	2	3	4	5
---	---	---	---	---
7.

1	2	3	4	5
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 8.

1	2	3	4	5
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 9.

1	2	3	4	5
---	---	---	---	---
10.

1	2	3	4	5
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 11.

1	2	3	4	5
---	---	---	---	---

 12.

1	2	3	4	5
---	---	---	---	---
13.

1	2	3	4	5
---	---	---	---	---

 14.

1	2	3	4	5
---	---	---	---	---

 15.

1	2	3	4	5
---	---	---	---	---
16.

1	2	3	4	5
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 17.

1	2	3	4	5
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 18.

1	2	3	4	5
---	---	---	---	---
19.

1	2	3	4	5
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 20.

1	2	3	4	5
---	---	---	---	---

Unattempted
Questions

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Correct
Answers

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Wrong
Answers

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Marks

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Reg. No:

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Part B

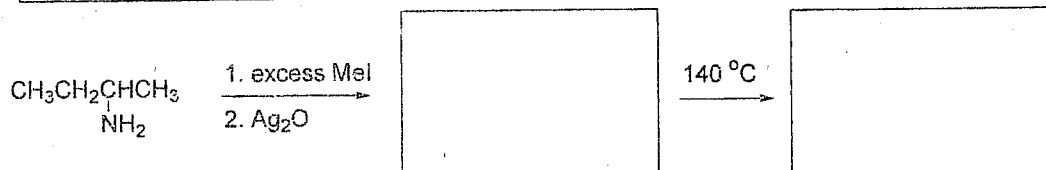
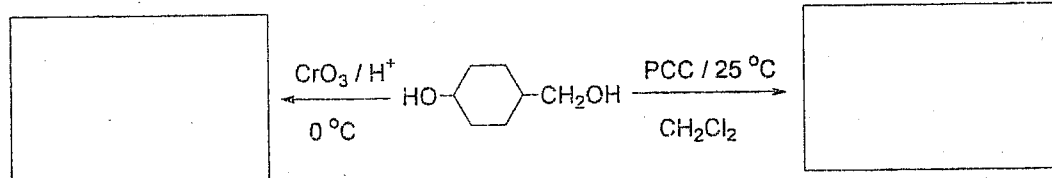
1. (a) An alcohol **A** ($C_6H_{14}O$) when heated with conc. H_2SO_4 gave **B** (C_6H_{12}). **B** on ozonolysis gave two aldehydes **C** (C_2H_4O) and, **D** (C_4H_8O).

Deduce the structure of **B**.

What are the possible structures for **A**.

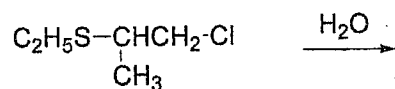
(10 marks)

- (b) Give the structures of the products of the following reactions.



(20 Marks)

2. (a) Giving the mechanism, predict the products of the following reaction.

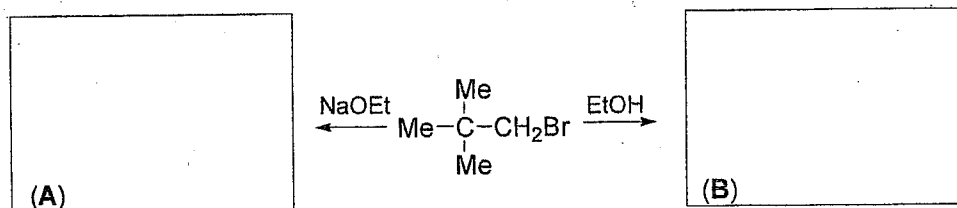


(10 marks)

Reg. No:

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(b) Give the structures of the products **A** and **B** of the following reactions



(10 Marks)

Give the mechanism of the formation of **(B)**.

(15 Marks)

10 marks)

20 Marks)

10 marks)