THE OPEN UNIVERSITY OF SRI LANKA
B.Sc Degree Programme/Stand Alone Course – 2008/09
POLYMER CHEMISTRY – Level 5 -CHU 3238/CHE 5238
ASSIGNMENT TEST II

M.C.Q. ANSWER SHEET: Mark a cross (X) over the most suitable answer.

Name: .....

Reg. No. | |

FOR EXAMINERS USE
Unanswered
Correct Answers
Wrong Answers
Total

	1	2	3	4	5
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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12.					
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16.					
17.					
18.					
19.					
20.					

PART B (Answer all questions only in the space provided. Attached sheets will not be graded)
(40 marks)

01. a) i. What do you mean by yellow discoloration of rubber latex?

(03 marks)

ii. Discuss the methods used for yellow discolouration of rubber latex.

(05 marks)

b) Why does synthetic poly isoprene rubber not have same properties as natural rubber? Explain.

(04 marks)

c) List five differences between thermoplastics and thermosets.

(03 marks)

d) i. What is meant by "Rubber Grades"?

(02 marks)

ii. What are three different conventional grades of natural rubber? Explain.

(03 marks)

02. a) i. What do you mean by "glass transition temperature"?

(03 marks)

ii. How do you determine the glass transition temperature of a given polymer? Discuss.

(05 marks)

iii. Explain the change of state with temperature in polymeric materials.

(06 marks)

b) Briefly explain the factors that affect crystallinity & melting point of polymers.

(06 marks)