



**RAJARATA UNIVERSITY OF SRI LANKA  
FACULTY OF APPLIED SCIENCES**

B.Sc. (General) Degree in Applied Science  
Third Year – Semester II Examination – October/November 2014

**CHE 3113- CHEMISTRY OF PAINTS**

Answer all questions

Time: One hour

1. (a) Briefly explain the properties of paints  
[10 marks]
- (b) Explain the “terms for undercoating”  
[10 marks]
- (c) What are the “Dry film properties” and explain each property  
[30 marks]
  
2. (a) There are some broad mechanisms that involve drying of paints. Explain each mechanism briefly.  
[15 marks]
- (b) Explain the drying mechanism for “non-conjugated oils” starting with Linoleic acid  $\text{CH}_3(\text{CH}_2)_4\text{CH}=\text{CH}-\text{CH}_2-\text{CH}=\text{CH}-(\text{CH}_2)_7-\text{COOH}$ .  
[35 marks]