



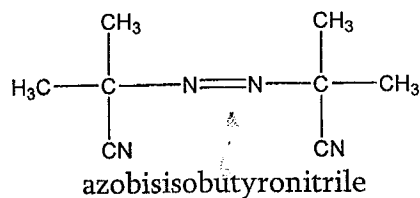
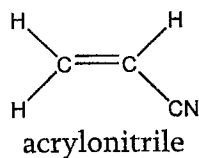
Uva Wellassa University, Sri Lanka  
End Semester Examination – March 2012  
SCT 432-1 Industrial Organic Chemistry



Time: One (01) hour

Total three (03) questions  
Answer all questions

1. a. Write down the reaction scheme for the free radical polymerization of acrylonitrile using azobisisobutyronitrile as the initiator, assuming termination takes place by combination.



- b. Explain the following: Use illustrations where necessary.
- Homopolymer
  - Copolymer
- c. Briefly describe three main steps in the processing of crude oil. (25 marks)
2. a. Define the term "Paint".  
b. Give four main categories of raw materials used in paint manufacturing and describe the functions of each.  
c. Explain what is meant by a "Chromophore" and a "Auxochrome". (25 marks)
3. Write short accounts on any 2 of the following topics
- Liquid Crystals
  - Surfactant
  - Petrochemicals (50 marks)