



THE OPEN UNIVERSITY OF SRI LANKA
CERTIFICATE COURSE IN INDUSTRIAL ENVIRONMENTAL HAZARDS
FINAL EXAMINATION – 2003
MPC 1306 / MPI 2306 – INDUSTRIAL HAZARDS OF LIGHT ENGINEERING
INDUSTRIES
DURATION: TWO HOURS

Date: 20th March 2007

Time: 9.30 a.m. – 11.30 a.m.

Please answer any three questions.

1.
 - i) What are the three main causes of machinery accidents?
 - ii) What is the definition given in the Factory's Ordinance to the term 'transmission machinery'?
 - iii) Transmission machinery without a proper guard can cause accidents which can result in death or serious injury. What basic requirements have to be satisfied when installing guards for the prevention of such accidents?
2. Describe the general precautions that should be taken by a lathe machine operator.
3.
 - i) The grinding operation can create a health hazard due to inhalation of silica dust. Explain how this can be prevented.
 - ii) Lifting, carrying and lowering can affect the person adversely depending on some factors. Name five of them.
4. Write an essay on 'Hazards of welding'. The answer should consist of followings.
 - different methods of welding
 - hazards associated with each method
 - precautionary measures
5.
 - i) Name five types of respiratory protective equipments.
 - ii) When purchasing respiratory protective equipment what are the factors that have to be considered?