



THE OPEN UNIVERSITY OF SRI LANKA
CERTIFICATE COURSE IN INDUSTRIAL ENVIRONMENTAL HAZARD
FINAL EXAMINATION – 2006

MPC 1201/ MPI 2201 – HEALTH AND SAFETY HAZARDS OF
INDUSTRIAL ACTIVITIES

014

DURATION: TWO HOURS

Date: 6th March 2007

Time: 9.30 a.m. – 11.30 a.m.

Please answer a total of three questions only

1. a) Many occupational diseases arise from contact with air borne contaminants. Different countries use different concepts when setting standards. Threshold level value (TLV) is one such standard and there are three types of TLVs. Describe what they are.
b) Name five heavy metals of industrial importance. Why are they considered to be toxic to man?

2. a) For normal body function man's internal body temperature has to be maintained within the range of 36- 38⁰C. What are the factors that affect the maintenance of the body temperature within the above range?
b) Discuss the health impacts of excessive noise.
What are the measures that can be taken to reduce those impacts?

3. a) Chemicals gain entry into the body through three main routes. What are they?
b) What is a Material Safety Data Sheet (MSDS)?
Describe why MSDS is useful for improving the health and safety condition in and industry.

4. a) What is an 'accident'?
b) Describe the importance of having a 'safety policy' in an industry.

5. Write a short essay on "*Ways and means of achieving a safe work place*", considering the following aspects; person and material falling, fire and explosion, collisions, safe access, safety equipment.