1. (a) **Outline** the costs and benefits associated with providing occupational services at the work place. [6]

   (b) **Outline** the roles and responsibilities of **four** members of a typical occupational health team. [4]

2. (a) With the use of relevant examples, **outline** the health effects associated with exposure to chemicals known to produce: [5]

   (i) Acute effects
   (ii) Chronic effects

   (b) With the use of relevant examples, **outline** the health effects associated with exposure to chemicals known to produce: [5]

   (i) Local effects
   (ii) Systemic effects

3. (a) **Outline** the particular vulnerabilities of children and young persons in the workplace. [6]

   (b) **Outline** an employer's responsibilities to children and young persons at work to ensure their health, safety and wellbeing. [4]

4. (a) **Outline** the main ill-health effects associated with the use of display screen equipment. [6]

   (b) With the use of relevant examples, **outline** how changes in activity and breaks can assist in preventing the ill-health effects associated with the use of display screen equipment. [4]

5. **Describe** the steps to take when undertaking an assessment of exposure to hazardous chemicals in the work place. [10]

6. **Outline** the sources, pathways and receptors that could exist for biological hazards encountered in **either** a municipal water treatment and sewage works **or** a hospital laboratory. [10]

7. (a) (i) Identify the main types of asbestos. [2]

   (ii) Outline the physical properties of asbestos associated with their use in buildings. [4]

   (b) **Outline** the main health effects associated with exposure to asbestos [4]

8. (a) **Identify** the main health effects associated with exposure to ionising radiation. [4]

(b) **Outline** the factors that impact on the level and severity of exposure to ionising radiation sources. [6]

9. With the use of suitable occupational examples, explain how noise can cause damage to hearing. [10]

10. Outline the **main** environmental and personal factors that can be used to assess thermal comfort in the workplace. [10]

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