5. Sample examination papers

5.1 Unit NGC1: Management of health and safety

SECTION 1
You are advised to spend about half an hour on this section, which contains ONE question.

1 An enforcement officer has visited an organisation and has found that a number of work activities have not had risk assessments completed.

(a) **Describe** actions that the enforcement officer could take.  
   
(b) **Outline** key stages of a risk assessment **AND identify** issues that would need to be considered at **EACH** stage.  
   
(c) **Explain** criteria that could be used to prioritise any action required as a result of the completed risk assessment.
SECTION 2
You are advised to spend about one and a half hours on this section, which contains TEN questions.

2 (a) **Identify** work-related illnesses that are reportable under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR) 2013. (2)

(b) **Outline** reasons why employers should keep records of occupational ill-health among employees. (6)

3 **Outline** job factors that could lead to poor health and safety behaviour in the workplace. (8)

4 (a) **Outline** functions of a permit-to-work *form*. (2)

(b) **Outline** key elements of a permit-to-work *system*. (6)

5 **Identify** information that could be used to review an organisation’s health and safety performance. (8)

6 (a) **Outline** legal requirements placed on employers to have a written health and safety policy. (2)

(b) **Outline** circumstances that may require a health and safety policy to be revised. (6)

7 (a) **Identify** work activities that may present a particular risk to pregnant women at work AND *give* an example of EACH type of activity. (6)

(b) **Outline** actions that an employer may take when a risk to a new or expectant mother cannot be avoided. (2)
8 **Outline** the purpose and legal status of:

(a) health and safety regulations;  

(b) Health and Safety Executive (HSE) approved codes of practice (ACOPs)  

AND give an example in EACH case.

9 When carrying out a health and safety inspection of a workplace:

(a) **outline** the benefits of using a checklist;  

(b) **outline** the limitations of using a checklist.

10 **Explain** why it is important to use a variety of methods to communicate health and safety information in the workplace.

11 (a) **Outline** employee duties under the Management of Health and Safety at Work Regulations 1999.

(b) **Outline** employee responsibilities that should be included in the ‘organisation’ section of a health and safety policy.
5.2 Unit GC2: Controlling workplace hazards

THE NATIONAL EXAMINATION BOARD IN OCCUPATIONAL SAFETY AND HEALTH

Unit GC2 : Controlling workplace hazards

For: NEBOSH National General Certificate in Occupational Health and Safety
NEBOSH International General Certificate in Occupational Health and Safety

[DATE]
2 hours, 1400 to 1600

Answer both Section 1 and Section 2. Answer ALL questions.
The maximum marks for each question, or part of a question, are shown in brackets.
Start each answer on a new page.
Answers may be illustrated by sketches where appropriate.
This question paper must be returned to the invigilator after the examination.

SECTION 1
You are advised to spend about half an hour on this section, which contains ONE question.

1 Airborne measurements have identified that a local exhaust ventilation system (LEV) is no longer adequately controlling worker exposure to airborne dust. A risk assessment has identified that respiratory protective equipment (RPE) can be used as an interim measure to protect workers while engineers repair the LEV system.

(a) Identify the main components of the LEV system. (4)

(b) Outline factors that may have reduced the effectiveness of the LEV system. (8)

(c) Outline factors that should be considered when selecting the RPE to protect the workers while engineers are working on the LEV system. (8)
SECTION 2
You are advised to spend about one and a half hours on this section, which contains TEN questions.

2  (a) Identify health risks associated with exposure to wood dust. (2)
    (b) Outline control measures to reduce the health risks from exposure to wood dust. (6)

3  Identify items that should be inspected on a mobile tower scaffold prior to use. (8)

4  Outline how the following two protective measures reduce the risk of electric shock AND, in EACH case, give an example of its application:
   (a) reduced low voltage; (4)
   (b) double insulation. (4)

5  Outline factors that should be considered so that persons with sensory impairments and/or physical disabilities can safely evacuate a workplace in the event of a fire. (8)

6  Identify possible hazards that could cause workers to be injured when walking through an external storage area of a workplace. (8)

7  (a) With reference to mechanical hazards of machinery, describe how harm may arise from:
   (i) entanglement; (1)
   (ii) shearing; (1)
   (iii) drawing in; (1)
   (iv) crushing. (1)
    (b) Identify non-mechanical hazards associated with the use of machinery. (4)
8 Identify rules that should be followed by a driver when leaving a forklift truck unattended during a work break. (8)

9 A dental surgery has installed an X-ray facility.
   (a) Identify the health effects associated with exposure to X-ray radiation. (4)
   (b) Outline control measures that could be taken in order to help reduce the risks to the operator from exposure to X-ray radiation. (4)

10 To reduce the risk of musculoskeletal disorders and back injuries, postal workers have been provided with manually operated trolleys to carry post during their delivery rounds.

   Outline factors that would need to be considered when carrying out a manual handling assessment of the use of the trolley. (8)

11 (a) Outline control measures that could be used to reduce the exposure of construction workers to high levels of noise from cement mixers. (4)
   (b) Identify other noise hazards that may be present on construction sites. (4)