1 Scaffold contractors are employed to erect independent tied scaffolds on a regular basis. The scaffold tubes are connected together by couplers. Following complaints of ill-health from the scaffolders, managers are concerned about their scaffolders developing work-related upper limb disorders (WRULDs).

(a) Give reasons why the scaffolders may be at risk of developing WRULDs. (5)

(b) Identify ill-health effects that the scaffolders may experience from WRULDs. (5)

(c) Outline control measures that could be put in place to help reduce the risk of the scaffolders developing WRULDs. (10)

2 Outline the general requirements of work equipment provided for use. (8)

3 A contaminated land site is to be redeveloped into a housing estate. The works will involve demolition and site clearance before the new build can take place.

Identify welfare facilities that should be available on this site. (8)
4 Outline control measures to help reduce the risk of injury from electricity when using portable electrical tools.  (8)

5 The Construction (Design and Management) Regulations 2015 (CDM) require that inspections and reports for excavations are carried out by a competent person.

(a) Identify when inspections should be carried out under CDM.  (2)

(b) Identify the statutory requirements that the competent person should comply with following the completion of an inspection.  (2)

(c) Outline information that the inspection report must include.  (4)

6 Identify the types of work that are considered as construction work under the Construction (Design and Management) Regulations 2015 (CDM).  (8)

7 Scaffolding has been erected to the outside of a block of high-rise flats in order to carry out window replacement and repairs to external cladding.

Outline what could affect the stability of the scaffold.  (8)

8 Silica can be found in various materials used in construction. Exposure to silica dust can lead to chronic health effects such as silicosis.

(a) Give the meaning of the term ‘workplace exposure limit’.  (4)

(b) Outline control measures that could be considered to control levels of silica dust in the workplace.  (4)

9 A single-storey farm building is to be demolished using an excavator.

Outline control measures that the method statement should contain for this activity.  (8)

10 Identify FOUR methods by which heat may be transferred during a fire AND describe how EACH can cause the fire to spread.  (8)

11 Outline reasons why a wheeled excavator may overturn on a construction site.  (8)
Do not turn this question paper until you are instructed to do so by the invigilator.

Please check your student number and name printed on this document are correct. If they are not correct you MUST inform the invigilator immediately.

Student Number:

Name:

Examination date:

Please also check that this paper is for the correct Unit and Qualification:

Unit:  **NCC1 – Managing and controlling hazards in construction activities**

Qualification: **NEBOSH National Certificate in Construction Health and Safety**

At the end of the examination you must return this question paper to the invigilator.