



Level 3 Certificate in Occupational Safety and Health

Unit 2: Controlling Hazards in the Workplace

Specimen Examination Question Paper

MARKING SCHEME

Please note that this marking scheme is indicative, rather than exhaustive. It is intended to show how the most likely candidate responses will be credited. Examiners will use their professional judgement to award marks to alternative, but equally creditworthy answers not covered by this marking scheme.

Relevant points in a candidate's response are identified and credit is awarded. Examiners are not looking for key words and answers may be expressed in different ways.

Question 1

(a) Point marking to Max 4

- Fire or explosion (1)
- Release of hazardous substances – gases, liquids, chemicals (1)
- Collapse of a building or structure (1)
- Terrorist activity (1)
- Natural hazards (such as flooding or landslides) (1)

(b) Point marking to Max 8

- Responsibilities (1) + emergency response team / shift cover / holiday or sick cover (1)
- Equipment needed (1) + examples of type of equipment / first aid requirements (1)
- Alarm / communication system (1) + emergency services / back-up systems / contact list (1)
- Muster points (1) + development (1)
- Site / services plans (1) + development (1)
- Training (1) + development (1)
- Effect on neighbours (1) + local impact / housing estates / business park / do they evacuate? (1)
- Type of emergency (1) + development (1)

Question 2

(a) **Point marking to Max 4**

CLASS B	Fires involving liquids or liquefiable solids (1)
CLASS C	Fires involving gases (1)
CLASS D	Fires involving metals (1)
CLASS F	Fires involving cooking fats and oils (1)

(b) **Point marking to Max 8**

Safe systems of work **(1)** and **(1 dev)**

Housekeeping **(1)** and **(1 dev)**

Risk assessment **(1)** and **(1 dev)**

Proper storage of flammable materials **(1)** and **(1 dev)**

Control of ignition sources **(1)** and **(1 dev)**

Controlling electrical hazards **(1)** and **(1 dev)**

Max 5 measures with 3 development

Question 3

(a) Point marking to Max 6

- Moral obligation **(1)**
- To identify immediate causes **(1)**
- To identify underlying causes **(1)**
- To prevent reoccurrence **(1)**
- To identify remedial actions **(1)**
- In case of civil or criminal actions **(1)**

6 reasons or 3 reasons with development

(b) Point marking to Max 6

- Forklift truck driver **(1)** to explain his side of the story **(1)**
- Witnesses to the incident **(1)** to provide an independent account **(1)**
- HR / line manager **(1)** in case of disciplinary action **(1)**

3 members of staff with valid reason for their involvement

Note: do not accept health and safety manager (as you are already involved)

Question 4

(a) Point marking to Max 4

For example:

Damaged plug (1) and regular inspections (1)
Overloaded circuits (1) and sufficient plug sockets (1)
Faulty electrical appliances (1) and PAT testing (1)

Max 2 for factors without control measures

(b) Point marking to Max 4

Divert or make dead overhead power lines (1)
Use of 'goal posts' to mark power lines (1)
Use of banksmen (1)
Restrict access for vertical reach equipment (1)
Use of safety netting (1)
Training (1)
Clear warning signs (1)

(c) Point marking to Max 4

The type of equipment being used (1)
Manufacturer's recommendations (1)
Age of equipment (1)
The working environment (1)
Frequency of use (1)
Previous records, inspection or testing (1)

Question 5

(a) Levels of response marking

L1	A limited range of factors considered. May be generic and not directly linked to construction.	1 – 2 marks
L2	An adequate range of factors considered (some of people, equipment, systems, working environment).	3 – 4 marks
L3	A good range of factors considered (people, equipment, systems, working environment).	5 – 6 marks

(b) Point marking to Max 6

- Awareness raising (1)
- Information on site hazards and risks (1)
- Site rules (1)
- Measures to reduce risk (1)
- Procedures for serious/imminent danger (1)
- Identification of responsible persons on site (1)
- Housekeeping (1)
- Correct footwear (1)
- Adequate supervision (1)

Question 6

(a) Point marking to Max 4

Back pain (1)
Upper limb disorders (1)
Sore / tired eyes (1)
Stress (1)

(b) (i) Point marking to Max 2

Fit the user / ergonomic design (1)
Good condition (1)

(ii) Point marking to Max 2

Adequate space to move (1)
Optimum distance from keyboard / mouse / screen (1)

(iii) Point marking to Max 2

Can be tilted (1)
Not subject to glare (1)

(iv) Point marking to Max 2

Adequate lighting (1)
No excessive noise (1)

Question 7

(a) Point marking to Max 6

- Back pain (1)
- Intervertebral disc damage (1)
- Work-related upper limb disorders (1)
- Injuries to hands or feet (1)
- Ligament and tendon disorders (1)
- Environmental / other example with qualification (1)
- Damage to goods if mishandled (1)
- Fatigue (1)
- Lost time through injuries (1)

Max 3 for referencing just personal injury

(b) Point marking to Max 6

- Automate the process (1)
- Conduct a risk assessment (1)
- Limit the amount a person can lift (1)
- 'Heavy labels' on baggage (1)
- Regular breaks / rotation (1)
- PPE for hands (1)

Question 8

Levels of response marking

L1	A limited description of environmental risks and a limited explanation of control measures. Answer may be generic with little reference to specific workplace activity.	1 – 4 marks
L2	Risks to land, air or water adequately described, in relation to the specific workplace activity, and an attempt made to explain appropriate control measures. The answer may be imbalanced between risks to land, air and water.	5 – 8 marks
L3	Risks to land, air or water well described and the corresponding control measures well explained. Good balance between risks to land, air and water (where applicable).	9 – 12 marks