

UNIVERSITY OF BOLTON

SCHOOL OF ENGINEERING

**BSC (HONS) FACILITIES AND BUILT ASSET
MANAGEMENT**

SEMESTER ONE EXAMINATIONS 2023/24

COMPLIANCE WITH HEALTH AND SAFETY

MODULE NO: FAM5002

Date: Friday 12th January 2024

Time: 10:00 – 12:00

INSTRUCTIONS TO CANDIDATES:

This exam paper contains **SIX** questions

Answer **ANY FOUR** questions

All questions carry equal marks

Marks for parts of questions are shown
in brackets.

This examination paper carries a total of
100 marks.

School of Engineering
BSc (Hons) Facilities and Built Asset Management
Semester One Examinations 2023/24
Compliance with Health and Safety
Module No: FAM5002

1. Appraise the principal duties of clients under the Construction Design and Management Regulations (2015), for the refurbishment and extension of a canopy to a mid-1990s built reception and entrance area. The work is expected to take six months.

25 marks

2. Define hazard and risk and outline the hierarchy of measures for controlling hazards, giving examples.

25 marks

3. Discuss the factors to be considered when assessing the health and safety competence of contractors OR subcontractors.

25 marks

- 4a. Outline ways of reducing the likelihood of human error in the workplace.
(10 marks)

- b. Explain why the seriousness of hazards may be underestimated by the people exposed to the hazard.
(8 marks)

- c. Describe ways in which managers can motivate employees to work safely.
(7 marks)

Total 25 marks

Please turn the page...

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- 5a. With reference to the method of heat transfer, explain how fire in a workplace may spread.
(10 marks)
- b. Outline measures that should be taken to minimise the risk of fire from electrical equipment.
(10 marks)
- c. Explain why water should not be used on fire involving electrical equipment and identify two extinguishing agents that can be used in such circumstances.
(5 marks)

Total 25 marks

6. Discuss measures needed to be taken to reduce the risk of slips, trips and falls in large supermarkets and retail stores, including external and internal areas, and those areas designated as 'staff only'.

25 marks

END OF PAPER