

UNIVERSITY OF BOLTON
SCHOOL OF ENGINEERING
BSc CONSTRUCTION PROJECT MANAGEMENT
SEMESTER ONE EXAMINATION 2024/2025
CONSTRUCTION MANAGEMENT
MODULE NO: CAS6009

Date: Thursday 9th January 2025

Time: 14:00-16:00

INSTRUCTIONS TO CANDIDATES

There are **SIX** questions

Answer **ANY FOUR** questions

Marks for each part are shown. The examination paper carries a total of 100 marks

School of Engineering
BSc Construction Project Management
Semester One Examination 2024/25
Construction Management
Module No. CAS6009

1. As a construction project manager, discuss the strategies you would employ to ensure both quality control and quality assurance on-site. Additionally, analyse how achieving high quality on-site impacts stakeholder satisfaction and future project opportunities. **25 Marks**

2. Critically evaluate the importance of effective risk management in ensuring health and safety on construction sites. Provide a detailed plan on how risk assessments, mitigation strategies, and emergency response protocols can be implemented to minimize on-site incidents. **25 Marks**

3. Imagine you are tasked with managing a residential apartment complex project. Develop a detailed project schedule and resource allocation plan for the initial construction phase, considering key elements such as labour, materials, and timelines. Additionally, discuss the impact of effective scheduling on cost control and project delivery. **25 Marks**

4. Discuss the concept of sustainability in construction projects, including how adopting green building practices can benefit project outcomes. Provide specific examples of sustainable construction practices and analyse their impact on project quality, costs, and stakeholder perception. **25 Marks**

5. As the project manager of a new multi-use facility, analyse various leadership styles and how they influence team performance, particularly during tight project deadlines. Discuss the advantages and limitations of at least three leadership styles in motivating on-site workers and meeting project milestones. **25 Marks**

6. A major delay has occurred in a project due to supply chain issues and unforeseen weather conditions. Discuss the strategies and methods you would use as a project manager to manage this delay, including how to communicate and negotiate with stakeholders to minimize project impact and address potential disputes. **25 Marks**

END OF QUESTIONS

END OF PAPER