

[ENG13]

UNIVERSITY OF BOLTON

SCHOOL OF ENGINEERING

BSc CONSTRUCTION PROJECT MANAGEMENT

SEMESTER ONE EXAMINATION 2023/2024

CONSTRUCTION MANAGEMENT

MODULE NO: CAS6009

Date: Thursday 11 January 2024

Time: 14:00-16:00

INSTRUCTIONS TO CANDIDATES:

There are SIX questions.

Answer ANY FOUR questions.

Marks for parts of questions are shown in brackets.

This Examination paper carries a total of 100 marks.

School of Engineering
BSc Construction Project Management
Semester One Examination 2023/24
Construction Management
Module No. CAS6009

- 1) As a construction project manager discuss how you will go about ensuring quality management on site to achieve perceived benefits.

25 Marks

- 2) Critically discuss why it is essential to ensure optimum health and safety on construction projects and appraise how to achieve this on site.

25 Marks

- 3) You are appointed as the project manager for a medium-sized commercial building construction project. Outline a comprehensive plan for the initial planning phase, emphasizing the key elements to be considered. Additionally, discuss the significance of a well-defined project scope in influencing the overall planning process.

25 Marks

- 4) Discuss the concept of using "Building Information Modelling (BIM)" to facilitate quality and management on projects.

25 Marks

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- 5) You have secured a job as a Construction Site Manager with a small medium sized company. The contract you have been assigned is working for a local high school to create ten new class rooms using off site methods of construction as well as refurbishing a further ten existing classrooms and various corridors. The contract is fast track starting in late June completion for September 2023. Critically appraise and contextualise the various leadership styles you could adopt to ensure the contract runs smoothly on time and to budget.

25 Marks

- 6) The Joiners working on the second fix refurbishment part of a contract are not performing and this part of the contract is behind schedule. They seem to be very demotivated and have no sense of urgency to get the job done. Discuss the various motivational theories that could be employed to address the situation.

25 Marks

END OF QUESTIONS

END OF PAPER