



TECHNICAL UNIVERSITY OF MOMBASA

SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ARCHITECTURE & BUILT ENVIRONMENT
UNIVERSITY EXAMINATION FOR:
DIPLOMA IN QUANTITY SURVEYING
EQS 2310: SITE MANAGEMENT
SPECIAL/SUPPLEMENTARY EXAMINATION
YEAR THREE, SEMESTER TWO

SERIES: JULY 2025

TIME: 2 HOURS

DATE: JULY, 2025

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

QUESTION ONE (Compulsory)

(30 marks)

- (a) Explain FIVE factors to consider when developing a construction site layout plan. (10 marks)
- (b) A master work programme is prepared in the pre-contract stage of a construction to assist in project coordination and serve as a baseline for sound time management for the project. Identify any FIVE details that are found in a master work programme. (5 marks)
- (c) Explain FIVE strategies for managing construction cashflows. (10 marks)
- (d) Highlight any FIVE benefits of preparing cashflow projections for a construction project. (5 marks)

QUESTION TWO (15 marks)

- (a) Explain FIVE factors to consider in the procurement of construction materials for your project. (10 marks)
- (b) Highlight FIVE importances of maintaining an accurate and up-to-date inventory of labour on site. (5 marks)

QUESTION THREE (15 marks)

The National Environment Management Authority (NEMA) requires that all construction projects undergo an Environmental Impact Assessment (EIA) exercise to identify the impacts it will have on the environment and propose mitigation measures. Explain FIVE such impacts and propose appropriate mitigation measures to each. (15 marks)

QUESTION FOUR (15 marks)

- (a) The National Construction Authority (NCA) conducts regular site visits and inspections on construction sites in the country to ascertain the level of compliance with their regulations. If a site is found non-compliant, it is marked with an "X" sign. Highlight FIVE items that are checked by their officers on construction sites. (5 marks)
- (b) Explain FIVE documentations and reports that will be prepared during the handover and closeout phase of a construction project. (10 marks)

QUESTION FIVE (15 marks)

- (a) Outline FIVE measures you would take to ensure safety of workers when handling construction plant and equipment. (5 marks)
- (b) Explain FIVE roles of the Health and Safety Officer (HSO) on a construction site. (10 marks)