TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING & CIVIL ENGINEERING
UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN CIVIL ENGINEERING
ECE 2216: ENGINEERING DRAWING IV
END OF SEMESTER EXAMINATION
SERIES: JUNE/JULY 2017
TIME: 3 HOURS

Instructions to Candidates

You should have the following for this examination
-Answer Booklet, examination pass and student ID
-Drawing instruments
This paper consists of five questions.
Answer question ONE (COMPULSORY) and any other TWO questions
Do not write on the question paper.

Study the set of architectural drawings consisting of the dimensioned ground floor plan and sectional elevation A-A. Use them to answer the questions. Note that the drawings are not to scale and you will have to use the dimensions given

QUESTION ONE (COMPULSORY)
Draw the first floor plan at a scale of 1:50. (30 marks)

ATTEMPT ANY TWO QUESTIONS
QUESTION TWO
Draw elevation 02 at a scale of 1:50. (20 marks)

QUESTION THREE
Draw at a scale of 1:25 a section through an external wall and show the following:

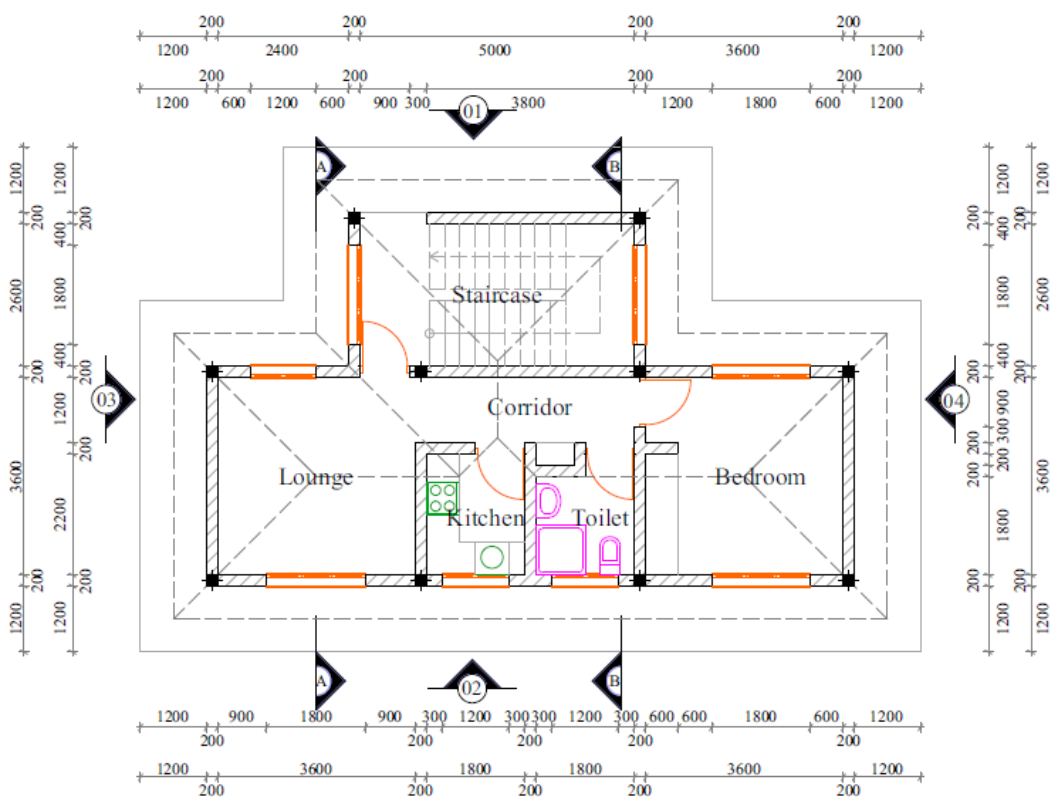
i.	50mm concrete blinding (1:4:8)	(2 marks)
ii.	Strip foundation with reinforcements	(6 marks)
iii.	200mm masonry foundation walling	(2 marks)
iv.	300mm approved hardcore	(2 marks)
v.	50mm murram blinding	(2 marks)
vi.	100mm thick concrete slab	(2 marks)
vii.	Damp proof membrane (DPM)	(2 marks)
viii.	Damp proof course (DPC)	(2 marks)

QUESTION FOUR

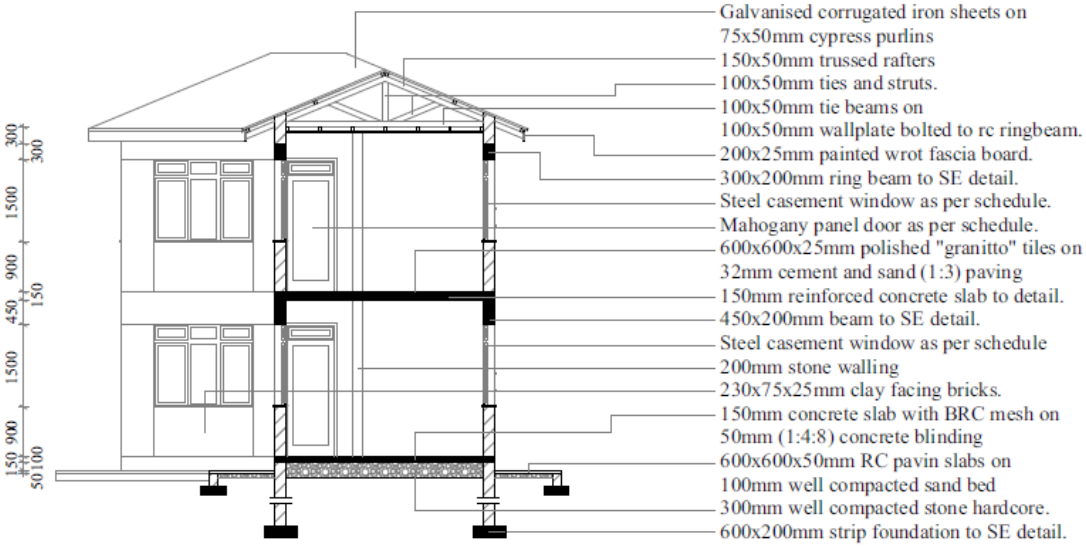
Draw at a scale of 1:25 a section showing the reinforced concrete details of the second flight of the staircase from the landing to the first floor slab. (20 marks)

QUESTION FIVE

Draw at a scale of 1:50 the foundation general arrangement details (20 marks)



DIMENSIONED GROUND FLOOR PLAN



SECTIONAL ELEVATION A-A