



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:

DIPLOMA IN BUILDING AND CIVIL ENGINEERING

EBC 2305 : MEASUREMENT OF BUILDING WORKS

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2016

TIME: 2 HOURS

DATE: Pick Date Dec 2016

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

- Pocket calculator

- Standard method of measurement for building works

This paper consists of **FIVE** questions. Attempt any **THREE** questions.

Do not write on the question paper.

Mobile phones are not allowed in the examination room.

Question ONE

Take off all quantities for the substructure works shown in drawing no 01. (20marks)

Question TWO

Take off all quantities for the door shown in drawing no 02. (20marks)

Question THREE

Take off all quantities for the flat roof shown in drawing no 03. (20marks)

Question FOUR

a. State FIVE contents of the bills of quantities (5marks)

b. State FIVE requirements of contract (5marks)

c. State FIVE roles of the quantity surveyor at each of the following stages

- i. Pre-construction period
- ii. Construction period

(10marks)

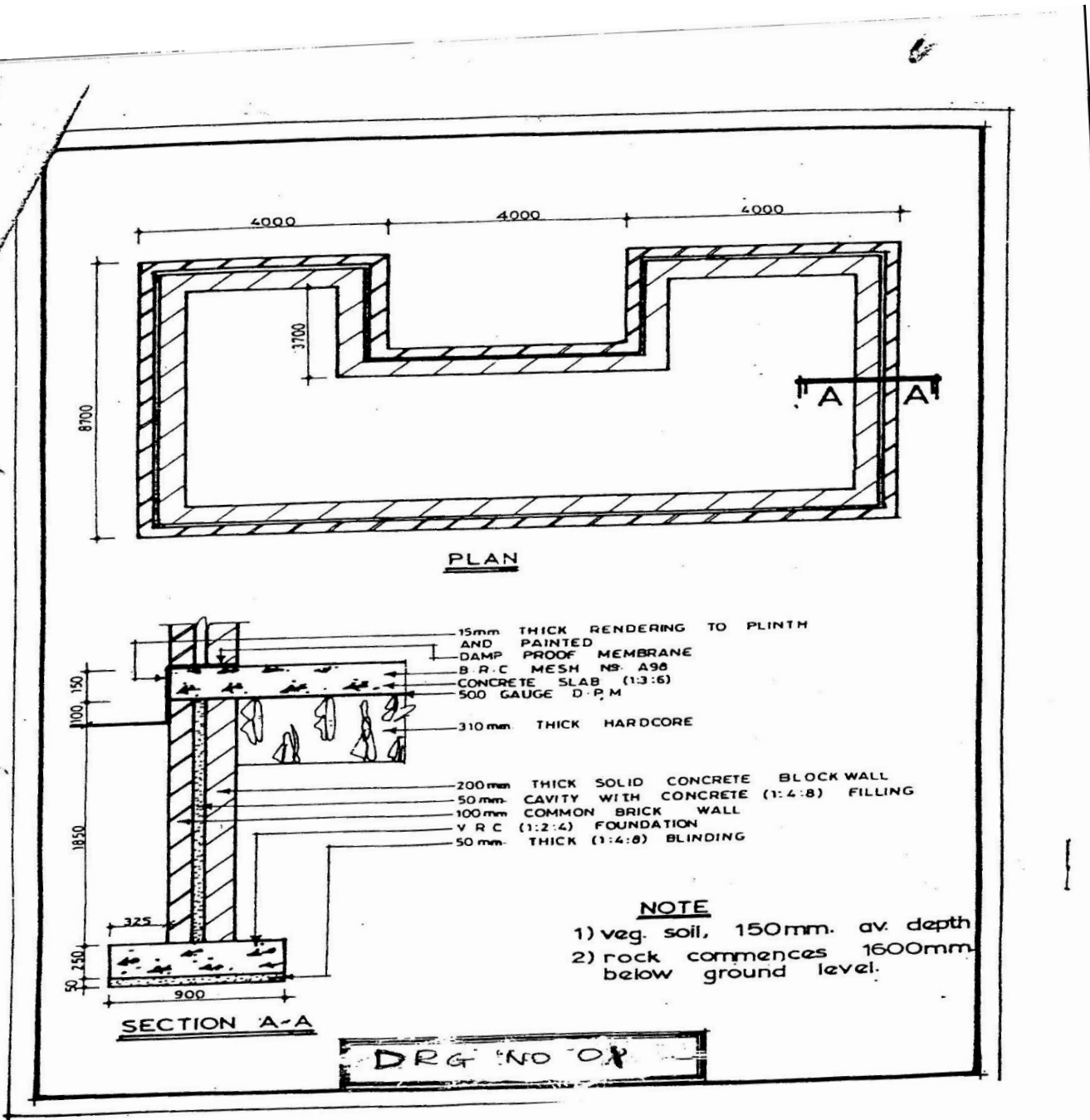
Question FIVE

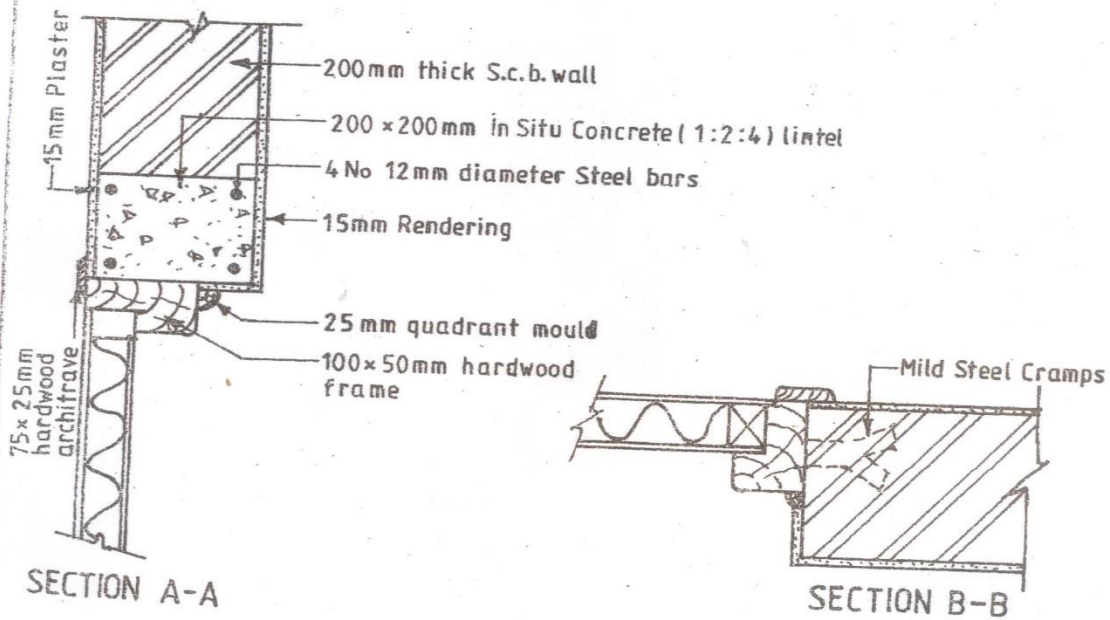
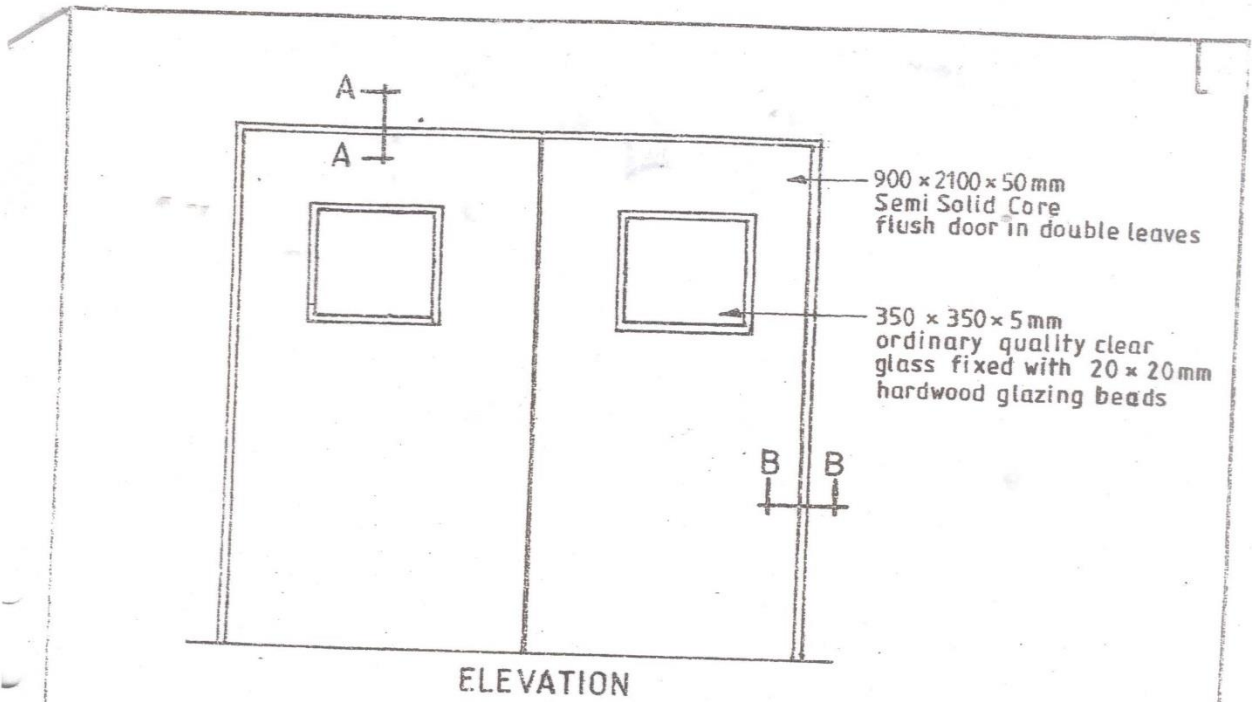
a. Using illustrations where possible explain the traditional method of preparation of the bills of quantities.

(10marks)

b. Briefly describe the process involved in the preparation of a bill of quantities.

(10 marks)

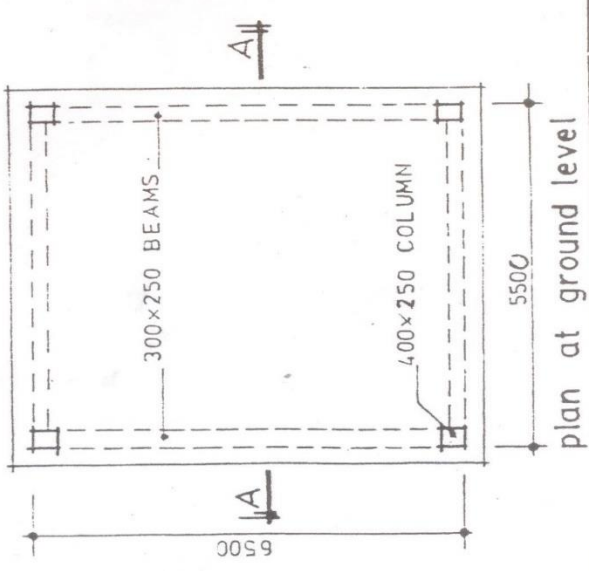
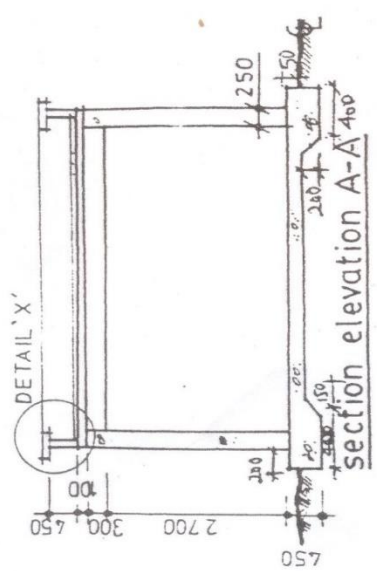
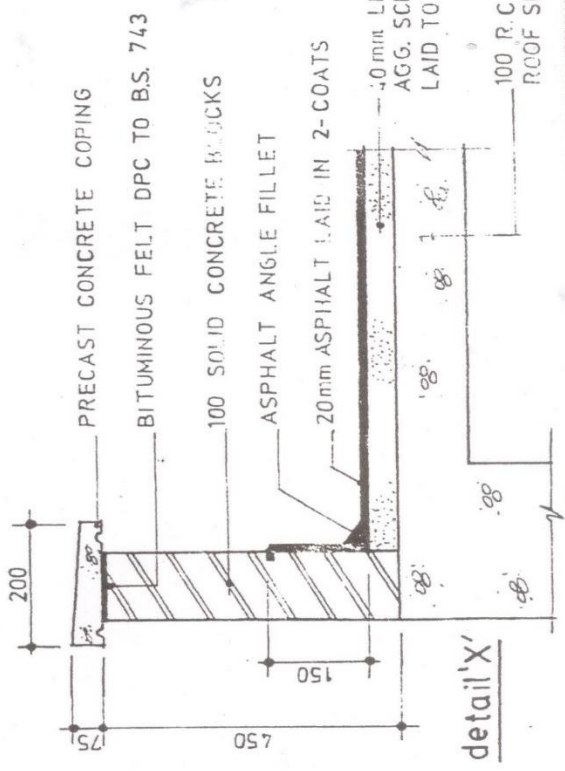
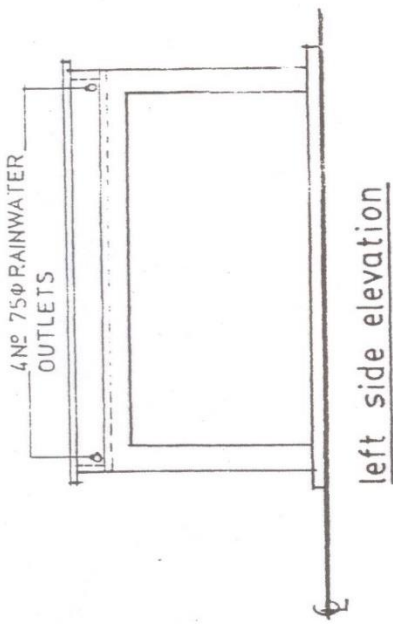




- Iron Mongery
- 100mm brass butt hinges
 - 3 Lever rebated mortice lock
 - Automatic door stopper
 - 25mm rubber stopper
 - 150mm long barrel bolts

DRAWING No. 0 **2**

- NOTES**
1. ALL CONCRETE WORK IS OF MIX 1:2:4
 2. EXPOSED CONCRETE TO BE PAINTED WITH 3 COATS EMULSION PAINT



DRG. No 03

Scale: 1:100; 1:10

BUS STOP SHELTER