

TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

UNIVERSITY EXAMINATION FOR:

DIPLOMA

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 underground water tank works shown in drawing no 01. (20marks)

Question TWO

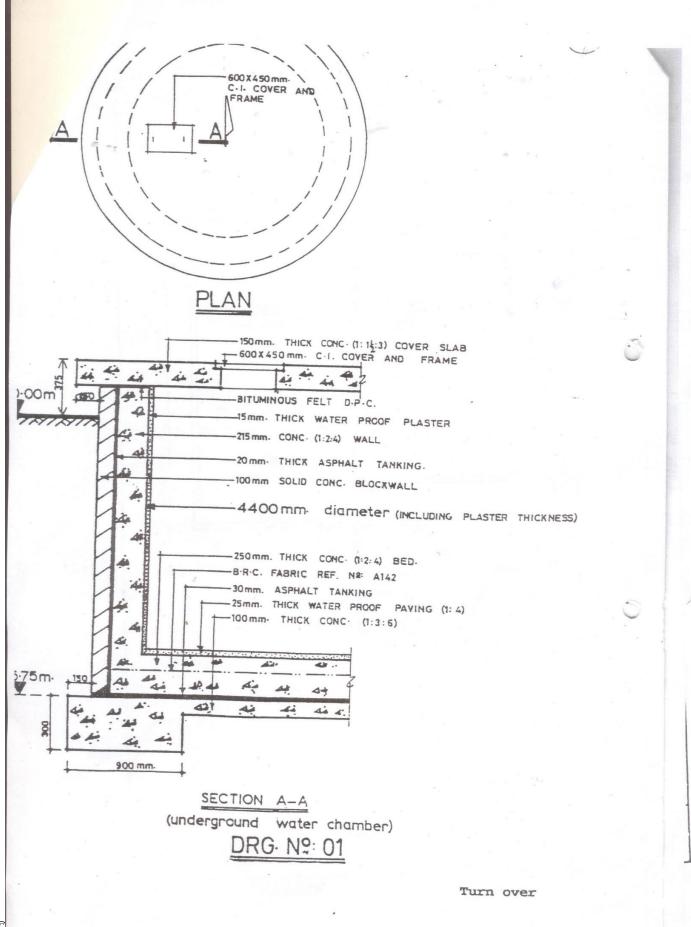
Take off all quantities for the finishes shown in drawing no 02.(20marks)

Question THREE

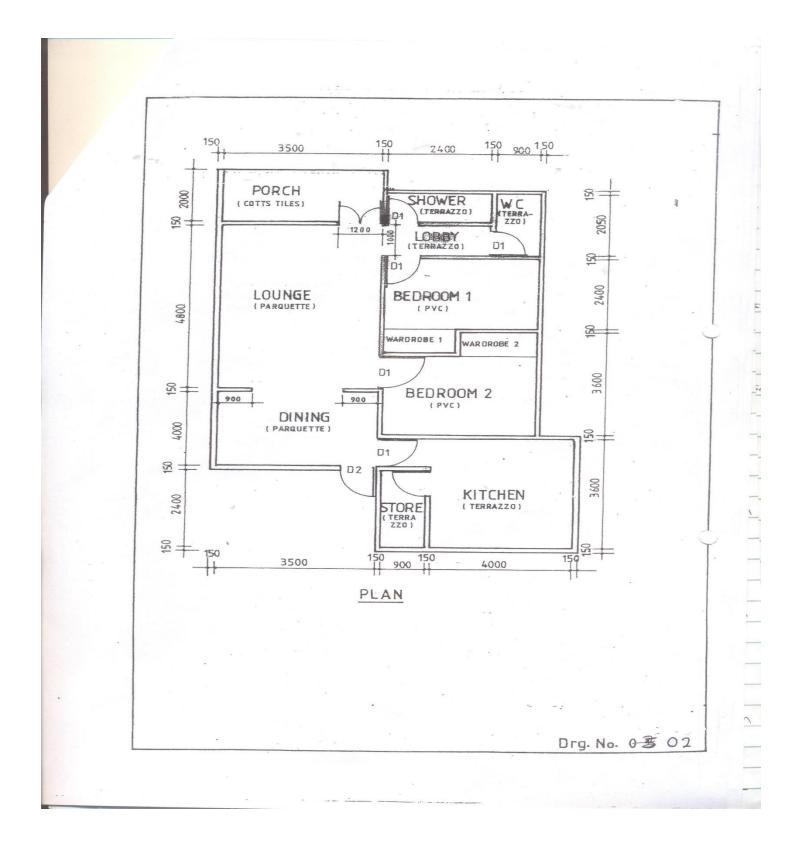
Take off all quantities for the pitched roof shown in drawing no 03.(20marks)

Question FOUR

a.	 Briefly describe the following types of contracts i. Bills of quantities contracts ii. Lump sum contract iii. Cost plus fixed feed contract iv. Cost plus percentage fee contract 	(10 marks)
b.	Because the process of tendering and outline the following methods of tenderingi. Selective tenderingii. Package deal tendering	(10marks)
Quest	ion FIVE	
a	a. Explain the use of the term "Elemental Bill"	
b	Outline THREE general rules of abstracting	(6marks)
C.	Briefly explain the following monies as used in the bills of quantities	
	 i) Contingency sums ii) Provisional sums iii) Prime cost sums 	(9marks)



C



SPECIFICATION

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Finished level pvc tiles	of floor from concrete slab 32 mm size 250 × 250 × 2 mm	· · ·	
Parquet	mahogany size $125 \times 125 \times 10$ mm		
Screed All hardwood	mortar mix (1:3) cement/sand		
All softwood	varnished painted		alaci
Terrazzo Colts tiles	to have size 20×3 mm plastic strips size $200 \times 200 \times 20$ mm		
Skirting	20×100 mm high hardwood for lounge	, bedrooms, dining	ст.

porch and terrazzo for all other rooms

Floor to ceiling height 2500 mm All door openings

size 900 × 2100 mm

be used

all wet areas to have glazed tiles size $150 \times 150 \times 6$ mm to a height of 1200 mm above which 12 mm plaster and three coats of oil paint is to be applied; other rooms plastered and painted with three coats of emulsion paint 12 mm thick soft board and three coats of distemper except

for the lounge/dining where 25 mm t & g hardwood shall

Ceiling

Walls

Cornices

Ser.

to match ceiling material and 100 mm wide.

in. 1.1 n g NC

