

C) What is measurement book(MB)?

the entire work.

9. In the given figure, the plan of outline of a building and sec

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Paper Code: CE(PC)602 Engineering Economics, Estimation & Costing **UPID: 006732**

Time Allotted: 3 Hours Full Marks:70

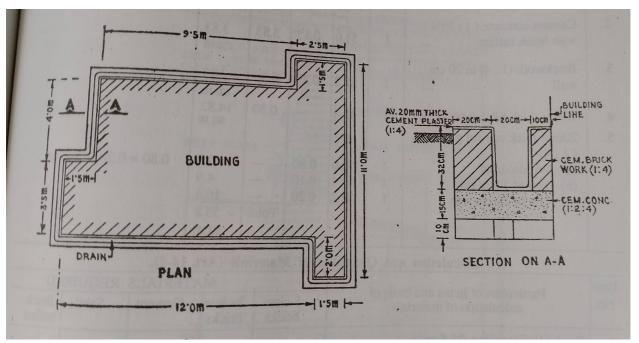
The Figures in the margin indicate full marks.

Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)		
1. Answer <i>any ten</i> of the following : [1 x 10 = 10]		
	(I) What is cash flow?	
	(II) What is full form of BIM?	
	(III) Write down the specification of reinforcement.	
	(IV) How many quantities of RCC work is done by a Mason in a day?	
	(V) Write down the name of the contractor those are related with public work.	
	(VI) What does book value mean?	
	(VII) What are easement right in Indian law?	
	(VIII) What is Price indices formula?	
	(IX) What is time value of money?	
	(X) What is the mass haul diagram?	
	(XI) What are the general specification of 1st class brick?	
	(XII) How many head mason are required for 12mm thick plastering work?	
Group-B (Short Answer Type Question)		
	Answer any three of the following:	[5 x 3 = 15]
2.	What is the purpose of valuation?	[5]
3.	What is analysis of rate & what are the purposes of rate analysis?	[5]
4.	What are the limitations of microeconomic?	[5]
5.	Vhat is tender document? [5]	
6.	Prepare the rough estimate for a proposed commercial complex for a municipal corporation for the [5] following data.	
	Plinth Area = $500m^2$ /floor Ht of each storey = 3.5m No. of storey's = G+2 Cubical content rate = Rs.	
	1000/m ³ Provided for a following as a percentage of structured cost water supply & Sanitary arrangement-8% Electrification -6% Fluctuation of rates - 5% Contractors profit - 10% Petty super contingencies- 3%	vision &
Group-C (Long Answer Type Question)		
	Answer any three of the following:	[15 x 3 = 45]
7.	A) What is sinking fund?	[5+5+5]
	B) Write down the method of determination sinking fund.	
	C) What annul sinking fund at 4.5% must be invested to produce Rs.1/- at the end of 20 years?	
8.	A) What is contract document?	[5+8+2]
	B) What are the contain of engineering contract document?	

round the building. Calculate the quantities of cement, sand, and brick that may be required to construct 3+3+3+3+3

tion of surface drain to be constructed all



10. A) Write down the specification of different categories of road.

sqm work.

- B) Write down the specification of cement concrete flooring work.
- 11. A) Carry out analysis of rate of 12 mm thick cement plastering 1:6, consider 100 sqm of work. [8+7]
 B) Carry out analysis the rate of 25 mm thick cement concrete or ar tificial stone flooring (1:2:4) of 100

*** END OF PAPER ***

[8+7]