

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

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

Time Allotted: 3 Hours Full Marks:70

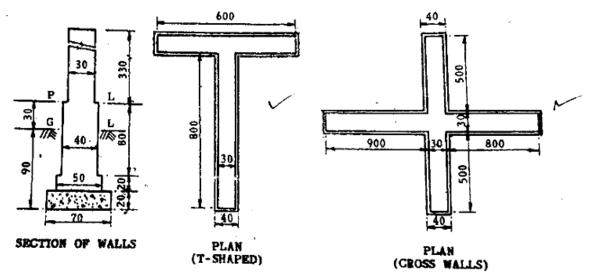
The Figures in the margin indicate full marks.

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

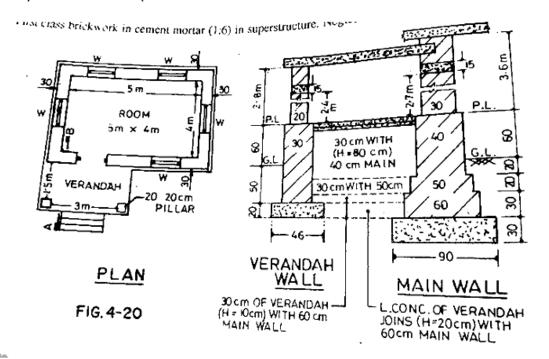
Group-A (Very Short Answer Type Question)

1. An	swer	any ten of the following :	[1 x 10 = 10]	
	(1)	What is percentage rate of contract?		
	(11)	What is the deferred income?		
	(111)	Which right is not an easement right?		
	(IV)	What is Market Structure?		
	(V)	What is cost control?		
	(VI)	What is full form of BIM?		
	(VII)	What is meant by Payback period.		
	(VIII)	Write down the measurement unit of E/W in excavation, PCC & BFS.		
	(IX)	What is quality of aggregates?		
	(X)	What is the measurement unit of rate & rate of 1st class brick work?		
	(XI)	What is LCC?		
	(XII)	What is percentage break of cost?		
Group-B (Short Answer Type Question)				
		Answer any three of the following:	[5 x 3 = 15]	
2.	wha	what is the importance of cost control?		
3.	Wha	What are the types of estimate?		
4.	Wha	What types of techniques of forecasting are used in the field of business? [5]		
5.	Wha	What are the methods of building estimate? Discuss with suitable example. [5]		
6.	Wha	What is price elasticity of demand?		
Group-C (Long Answer Type Question)				
		Answer any three of the following:	[15 x 3 = 45]	
7.	1) What is the IS-LM Model?		[5+5+5]	
	2) W	hat is the Wholesale Price Index?		
	3) W	hat are the difference between Direct and Indirect Taxes?		
8.		te down the definition of:	[3+3+4+5	
	-	nternal Rate of Return(IRR).	J	
		et present Value(NPV). eturn on investment(ROI).		
	*	Which is better: NPV or IRR?		
9.	-	ulate the quantity of following item from the given figure:	[4+3+4+4	
		/W in excavation, 2) Cement concrete(1:3:6) in foundation, 3) 1st class B/W(1:6) in fou	undation &]	
	the contract of	t at a second se		

plinth, 4) 1st Class B/W in superstructure.



Prepare an estimate of the given figure by Long wall & Short wall method. 1) E/W in excavation, 2) Lime [concrete in foundation,, 3)1st class B/W(1:4) in foundation & plinth, 4) 1st class B/W(1:6) in 2+1+3+4+5 superstructure, 5) Cement Plaster in inside 7 outside both.]
Take any suitable data if required.



11. 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?

*** END OF PAPER ***