## [ REV COURSE ]

	(4 Hours)					[Total marks : 80]							
NOTE:		on No. I	le com	nulcanu									
	ii) Attempiii) Figures	ot any th s to the r	ree out right inc	of the relicate fi	emainin III mark		uestion	S					
	iv) `Assum	e suitab	ie data i	ıı requir	ea.							20	
Q.1	Work out the following quantities from the given plans & sections.									20			
	<ul><li>RCC (M20</li><li>Internal principals</li></ul>	plaster c	n wall:				ick work ooring a		ing				
Q.2	in c:m 1:5, 12 mm thick  A) What is meant by rate analysis? What are the purposes of doing the rate analysis?.  Perform rate analysis for UCR masonry work in cement mortar 1:6.									10			
	B) What are t	he cause	es of di	ispute b	etween	a contr	actor ar	nd own	er? Hov	v is the	dispute	10	
Q.3.	an approximate estimate of the same building. Assume cost of construction of supe											10	
	structure as Rs B) Why is spo	ecificatio	n consi	idered a	s legal	docume	nt? Dra	ft the d	etailed :	specific	ation for	10	
Q.4	15 mm thick single coat plaster work in cement mortar 1:4.  A) Clear dimension of a one-way slab is 3 m x 6.25 m. The slab is supported on 230 mm thick wall all around. Main bars are 8 mm dia @ 150 mm c/c (alternate bars bent up) and distribution bara are 8 dia @ 200 c/c. Thickness of slab is 125 mm. Calculate the quantity of reinforcement per cum of concrete in slab. Also calculate the quantity of cement, sand and aggregate. Grade of concrete is M20 and grade of steel is Fe415.												
	B) A leasehold property is to produce a net annual income of 5,50,000 for the next 30 years. The owner expects a return of 8% on his capital and also sets apart a sinking fund installment to accumulate at 7% annually to replace the capital. Determine the value of the												
Q.5	property.  A) Estimate the quantity of earthwork for a portion of a proposed road from the following data.											g 12	
	Dist. in m	0	60	120	180	240	300	360	420	480	540		
	GL	83.12	82.44	81.86	82.08	81.3	80.8	80.54	80.82	80.96	81.50		
	FL	82.42 Downward gradient 0.8% Upward gradient 0.5%											
	Proposed for	Proposed formation width of road is 12 m, side slope 1:1.5 in cutting and 1:2 in banking.											

TURN OVER

Administrative approval

Sinking

Concept of

fund

8

20

[Total marks: 80]

Also draw the mass diagram.

Write short notes on (any four)

Balanced and

EMD and SD

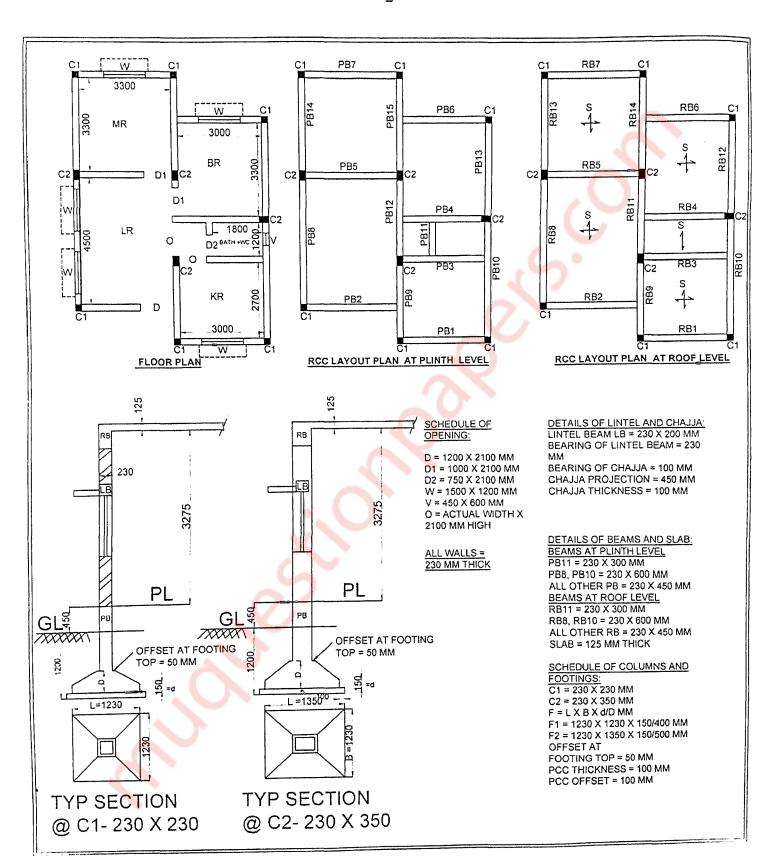
Unbalanced tender

B) What is contract? Explain valid contract, voidable contract and void contract.

• Rules for deduction in •

masonry and RCC work

• Price variation clause



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