
Code No: 117DE JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech IV Year I Semester Examinations, November/December - 2016 **ESTIMATING AND COSTING**

Time	: 3 Hou	ırs		(00)	minon to) CE, CE	(E)	·	Aax. Mai	rks• 75	
1 + 3 / 3 1 Marketin	This o	question p A is comp sts of 5 U	öülsory w	hich carr	ies 25 ma	arks. Äns	wer all q	uestions	in Part A	 . Part B	
	carrie	s 10 mark	s and ma	y have a,	b, c as si	ub questio	ons.	acii uiiit.	Lacif	_l uestion	
					PART	Γ Λ					
1.a)	What	is the ord	 .::: er of boo	king dim				* * * * * * * * * * * * * * * * * * *	į(25 M ark [2]	s)
b)	What	are th <mark>e</mark> vo	oluminou	s units of	measure	ment?				[3]	
c)	What	is lift in e	arthwork	calculati	ons?					[2]	
d) What is volume of fully excavated trapezoidal cross section canal? [3]											
e).		is a conti			1					[2]	
ŕý		short not			ite.			* * * * * * * * * * * * * * * * * * * *		[3]	*** * * * * * * * * * * * * * * * * *
g)		is unit we				el bar?		I I '.v.I	;	[2]	: :
h)		n lump sı				or our.	1			[3]	
i)		is years p		ici.							
·		is differen		en firet c	lace brick	work and	Leacond	Jose brio	lr 1210mlr9	[2]	
J <i>)</i>	** ***	is differen	ice betwe	CH HIST C	Idos DITCN	work and	i second (lass one	K WOIK?	[3]	
	·•;	*****	*:				*	***	;,,		
	***	x + y+	x+	* * ****	PART	'-B		; ' ;	. *	: *x;	: ; ·.
2. 3. 4.	method in foun Explain	l a) earth dation d)	work in e plasterin :: l about al ed estima	excavation ig. Assum in in inter- in inter- inte	n b) lime ne suitable OR e estimat th work f	concrete e data inition es for a c or a porti	in found ivil engin on of a re	ation c) eering stood from	1st class ructures.	short wal brickwork [10] [10] wing data	€
										n and side	
		or bankin e gradieni					gradient	of tran 1.	50 up t <u>o:</u>	120m and	
Distance	0	30	60	90	120	150	180	210	240	270	300
in m		30		30	120	130	180	210	240	270	300
R. L. of Ground	114.5	114.75	115.25	115,20	116.10	116.85	118.20	118.25	118.10	117.80	117:25
			- A Partie State of the State o	<i>i</i> * · ·	OR					J	
5.	Explain	in detail	about the	three cas		nal section	ns with no	eat sketch	nes.	[10]	
3 *** *** 3 * * * * * * * * * * * * * *	n Salata I		t Pertie legi		residente.	#X9		# 99% N P N P N P N P N P	1. *1:: . · · · · · · · · · · · · · · · · · ·	* * * * * * * * * * * * * * * * * * *	1×1 + 2

	1 st class b	rick work in fou	or the following is ndation of 1:3 certors in the market in	nent mortar – uni rate.	t 1 cu. m.	[10]								
IÜ.	:::::Cement co	oncrete in found	or the following it ation 14.9 – unit s in the market ra	tem of work.	, PG	[10]								
	8. Estimate the quantity of steel for any type of RCC beam with an illustrative example and explain the importance of bar bending schedule? [10]													
8 W 2	9. Explain	in de ail about c	Ol ontract document	R		[A Y A A Y A A A A A A A A A A A A A A A							
·	 10.a) Explain method of valuation based on profit with an illustrative example. b) Explain capitalized value of a building considering sinking fund. [5+5] 													
	11Explain	detailed specific	ations of Earthwo			[10]	, 10 X X X 0 X 0 X 0 X 0 X 0 X 0 X 0 X 0							
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	AC.	FIG	FG	PC.		HC.								
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