ŀ	-la	III I	110	cet	Nun	nber	:				T					Co	de N	io.: 3	32012	AS	
			. ~														~~~ ~			~	!
В														G (Autoplemen		-					7
									R	einfo	rced	Conc	rete	Design	-II						
					hou						-						M	ax. M	arks: 70	0	
		Ν	lote		A	1issi	ng d	ata, i	fany	may	, suite	ably b	e as	<b>Part-B</b> Isumed I bridges	s are p	permitt	ed.		-	Comment in copies of a proper	
										Part-	A (1	0 × 2	= 20	Marks	)	-				4	
1.	S	tate	e th	e co	ondi	tion	in w	hich	trape	ezoid	al foo	ting i	s pre	eferred.		* **			T , No C Conpr.	داد مثد. •	
														is used.		. 9					
		-						-						ng walls	S.						
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									_			water									
		_									_	of bri									
									,	oridge		and ci	lass A	A loadir	ngs.						
										_		gn of	etami	ina				-			
10.	D	lau	C III	ic ic	aus	10 0		115144	icu i			50 Ma									
11.	c 4	olu m rad	ce	siz ntre are	to M	6450 centi	× 4 re. T and	50 m he S	m su BC o	bject f soil	ed to shal ch n	an ax l be to eat d	cial l aken	oad of 1 as 250 am of	200 k kN/m	N each	with concr	a spa	ncing of and steel		
10						•1						or)			1 . 1		5.50	/	<b>A</b>	-	
12.	g C	Coe	und effic 415	ler cien	vel. t of he s	The frict	de ion bear	nsity between	of teen s	he ea	orth ind cor	s 17 acrete	kN/is 0	earth end m <sup>3</sup> , ang .4, and t l/m <sup>2</sup> . Sk	gle of the ma	intern	al fri	ction are M	is 30 <sup>0</sup> , 1 20 and	i	[5]
13.	F		e b	oar					-		. Add	pt M		d base for and Fe-							15]
14	2	225	00	) lit	res	of w	ater	. Des	ign t		tank don		-	ed on six le wall o			_			-	15]
15	(	size (wh M :	e or neel	f ked) gra	vel de d	is 60 nicle	load rete	m × ding	2251 shall	nm a	onsiderade s	ridth lered steel.	of s	rs. Wide upports analysis tch a ne	is 60 and	0 mm. design.	The The	IRC	class-A	e e	20]
16	1	veh gird	icl der	e ty	pe le 4 m	oadii	ng us	sing t	he fo	llowi Γ-bea	f an l ng da m is	ita. Sp 14 m	pacir eters	am bridging of the s. Mater g with re	main	T-bear	m is 3 ed are	mete M30	rs, cros	S	[20]