					,	nours)			8	Total in	arks
Note			uestion No	_					2 B		
			ttempt Any			_		1			
		3. A	ssume any	suitable d	lata wher	ever requ	iired.	2001	52,50	2237	
Λ1									8 8 6 5		200
Q.1	0	;		ion	and for a	rvioina e	nd ropoir	o of the o	iroroft		10
	a.	i is used for servicing and repairs of the aircraft ii. The runway length after correcting or elevation and temperate 2845m. If the effective gradient on runway is 0.5% then the re-									210
		runway length will be								revised	9
		iii. Distance between inner faces of the flanges, is kept slightly less/ equ									920
		more than gauge distance.								SS/ Equal/	200
		iv.	Bearings a	~ ~		dges to	0'. Tr 23 AY.		5 5 5	£ 20 (2) (0)	
		v .	Every port	_			15 15 15 15 15 15 15 15 15 15 15 15 15 1	\$ 6 K C		377500	56
	b.	Explain Negative Super elevation by a neat sketch,									
	c.	As per ICAO classify various types of airports? Enlist some of the Airports in 5									
		India									
					130				K. S. C. A.		
Q 2	a.									e various	10
		types of ballast used?									
	b.	Design the Exit runway joining a runway and a parallel main taxiway. The total angle of turn is 35°C and the maximum turn-off speed is 80 Kmph									10
Q.3	a.										10
		diagrams.							300		
	b.										10
		tongue rail, it springs up from the heel of switch at 10 8' 0" and ends TNC.									
		Assum	e heel dive	rgence =	13.3.	8 8 7 7 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8					
				7,3000				C. E.			
Q.4	a										10
		of 410 mts above the M.S.L. The ART is 32°C. The construction plan provides the following data .Calculate the corrected length. Also apply check									
										2=00	
			to End	0-300		7.50	(V, V,)			2700-	
	(0 10 07 3	ay (m)		900	1500	1800	2100	2700	3000	
	15.	Grade		≠1.0	-0.50	+0.50	+1.00	-0.50	-0.04	-0.10	10
	b.	Explain in detail Airport obstructions with neat sketches?									10
O.E.	a.	What	would be the	o Fauilik	rium Ca	nt on BC	trook of	70 for or	ovorogo	speed of	10
Q.5	a.	What would be the Equilibrium Cant on BG track of 7° for an average speed of train 80 kmph? Also calculate the maximum permissible speed after allowing the maximum cant deficiency?									10
	£ 20										
	b.	Explain the working of Semaphore Signals with neat sketch 10									
		2 DAPIM		15 00 00		oignais v	vitti iicat t	жесен			10
783		Evaloin Wind rose diagram? What is its utility and its types? Evaloin each types 1									10
Q.6	a.	Explain Wind rose diagram? What is its utility and its types? Explain each type with neat sketches?									10
	b.) 									5
	F-1- 6	50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									
	C.	Descri	be with nea	n sketch	(ו) Diain	onu cross	sing (11) C	TOSS OVE	L		5
7698	2.00	Q 72, 75, 1	5649	12 V							

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