	720					
_	1.	(a)	A lift mov	, of mass 1200 kg, is moving upwards. Find the tension in t ng with	the lift cable when the lift is	_ 3
	INE		(i)	an acceleration of 2 ms ⁻² ,		
120	18		(ii)	constant speed.		
				a pood,	[4]	
		(b)	A per of 3 m of M.	son of mass M kg stands in a lift which is moving downw is $^{-2}$. The reaction of the floor of the lift on the person is 44	vards with an acceleration 42 N. Determine the value [3]	
JAN	2.	A c	rate, of crate wi	mass 80 kg, lies on the floor of a lift. Find the reaction	of the floor of the lift on	
2011		(a)		t is moving down with acceleration 0.3 ms ⁻² ,		
		(b)		ft is moving up with acceleration 0.2 ms ⁻² ,	[3]	
		(c)		it is moving up with constant speed.	[3]	
				s up with constant speed.	[1]	-
JUNE	3.	A lift	of mas	s 2500 kg is ascending with an acceleration of 1.8 ms ⁻² .	1	+
2012		(a)		ate the tension in the lift cable.		
7012		(b)	A pers	on of mass M kg stands on the floor of the lift. Given the n of the floor of the lift on the person is 696 N, find the version is 696 N, find the version is 696 N, find the version is 696 N.	[3] at the magnitude of the value of M . [3]	
SUN 2011				of mass $60 \mathrm{kg}$, is standing in a lift, which is of mass $540 \mathrm{kg}$. We upwards at a constant rate of $a \mathrm{ms}^{-2}$, the tension in the lift can	hen the lift is able is 6600 N.	
2011		(u)	Caic	Hate the value of a .	[3]	
		(b)	Find	the reaction between the person and the floor of the lift.		
1	5。 (a) W	hen a l	iff is ascending with an action	[3]	
JUNE 2017		15	000N.	ift is ascending with an acceleration of a ms $^{-2}$, the tensi The total mass of the lift and its contents is 1200 kg. Deter	ion in the lift cable is rmine the value of <i>a</i> . [3]	
X011	(b)	A c	rate on 0-2 ms=	the floor of another lift has mass 50 kg. The lift is descending Find the magnitude of the reaction of the floor on the cra		
une 2013		(a)	Calcula	ass 64kg is standing in a lift which is of mass $M \text{kg}$. When the a constant rate of 0.425ms^{-2} , the tension in the lift cable is 75 te the value of M .	000IN.	
		(b)	Find the	reaction between the person and the floor of the lift.	[3]	
					[3]	