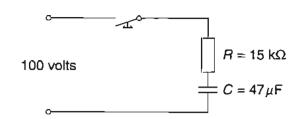
## Question 20 (5 marks)

An electrical circuit is shown.



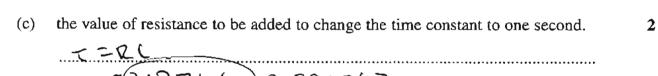
2

Calculate, showing all working:

(a)	T = RC	R= 15 ksl	
	=15000×0.000047	= 15000 N	, 4 % * * * * * * * * * * * * * * * * * *

= 0.705 seconds	C=47yF
	= 0.000047 F

(b) the maximum circuit current; V = 100 VV = 15000 R = 6.6 mA R = 15000 R



Z | Z | 10.0 V | 3.00 ( )