

ELL834: Healthcare Technology
Minor-I, Date: 8th Feb 2018, Full Mark: 10, Time: 60 Minutes

- 1) What are some of the sleep issues that keep someone from getting adequate sleep? What are the side effects of sleep deprivation? Is it possible to control sleep rhythms? If yes/no, please give a probable engineering example to explain your opinion. [1+1+1+1]
- 2) Draw the diagram of eye indicating both cornea and retina. Also mention three correctable eye problems and it's origin in eye (with proper leveling). Propose some engineering solutions to these problems with logical explanation. [1+2+3]