

## COMPUTER SCIENCE TRIPOS Part II – 2016 – Paper 8

### 13 Topical Issues (RKH)

- (a) Compare and contrast the Internet of Things (IoT) with the conventional internet. [4 marks]
- (b) Describe how Bluetooth Low Energy (BLE) was designed to address the following IoT-related issues. Your answers should consider both BLE advertising and data channels.
- (i) Reduce the overall power consumption of peripherals. [6 marks]
- (ii) Handle radio channel contention from other IoT devices. [6 marks]
- (iii) Handle radio channel interference from other users of the same 2.4 GHz radio band such as WiFi. [4 marks]