Additional Topics

The Active Bat is an ultrasonic tag, which forms part of an indoor location system. Describe the operation of this location system in terms of

(a) the basic method used to locate Active Bats [6 marks]

(b) synchronisation of Active Bats with the fixed ultrasonic receivers [6 marks]

(c) system resource allocation to Active Bats that are moving [4 marks]

(d) methods of obtaining orientation information for tagged objects [4 marks]