

(3 Hours)

[Total Marks: 80]

**N.B.: (1) Question No.1 is compulsory**

**(2) Attempt any THREE Questions between Question No.2 to 6**

**Q1. Solve any Four Questions out of Five**

**[20]**

- a) Physical design of IoT
- b) IoT enabling technologies
- c) Smart Lighting
- d) Smart Grids
- e) Zigbee Architecture

**Q2.A.** With a neat sketch, explain the functional blocks of IoT.

**[10]**

**B.** With the help of neat labelled diagram explain the IoT Level-1 and Level-2 templates.

**[10]**

**Q3.A.** With reference to IoT reference model discuss in detail the IoT domain model in detail.

**[10]**

**B.** Describe how the environment can be more protected with the help of IoT Technology.

**[10]**

**Q4.A.** Describe Process Specification and Information model Specification involved in IoT system design methodology.

**[10]**

**B.** Explain the information view with reference to the IoT architecture in detail

**[10]**

**Q5.A.** Difference between Web of Things versus Internet of Things

**[10]**

**B.** Why there is a need for securing IoT systems? Discuss the different elements of IoT security.

**[10]**

**Q6.A.** Explain Two Pillars of the Web. Discuss SOA and Cloud Computing.

**[10]**

**B.** Explain cloud of things architecture in detail.

**[10]**

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