Q.P. Code : 799900

(3 Hours) [Total Marks : 80

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

(2) Solve any **3** questions from remaining

(3) **Assume** suitable data whenever **necessary**.

(4) **Figures** in the right indicate **full** marks.

1. (a) Explain ubiquitous Computing Principles- Decentralization, Diversification, Connectivity, Simplicity. **10**

(b) Discuss failure management and security issues in ubiquitous computing. **10**

2. (a) Discuss the design and implementation problems of ubiquitous computing. **10**

(b) Explain the sensor network architecture in detail. **10**

3. (a) Discuss what are the different issues in ubiquitous network design in detail. **10**

(b) Explain how to use basic smart devices using Hidden User Interface. **10**

4. (a) Discuss the requirements of computational infrastructures for ubiquitous computing in detail. **10**

(b) What are the different issues in building context-aware applications. **10**

5. (a) What are the different social issues in Ubiquitous communications. **10**

(b) Explain designing of context-aware applications. **10**

6. Write short notes on any **four**. **20**

(a) HCD

(b) Challenges in ubiquitous system.

(c) Smart DEI model

(d) Mobile Robots

(e) MEMS

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