

BE sem VII (CBSGs) IT - Ubiquitous Computing

21/12/16

Q.P. Code : 799901

(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) Design ubiquitous system for "Hospital Management" with reference to following points GUI design, smart environment, smart devices, smart communications. Assume suitable data if necessary. **20**
2. (a) Explain designing of context-aware applications. **10**
(b) Explain how to use basic smart devices using Hidden User Interface. **10**
3. (a) Explain in detail service provision life-cycle. **10**
(b) Discuss smart DEI model. **10**
4. (a) Discuss Social Issues : Promise Versus Peril. **10**
(b) Explain the sensor network architecture in detail. **10**
5. (a) Explain in detail Embedded systems and Real time systems. **10**
(b) Discuss failure management and security issues in Ubiquitous Computing. **10**
6. Write short notes **20**
 - (a) iHCI
 - (b) Mobile Robots
 - (c) Ubiquitous system Challenges
 - (d) HCD