BICSE-013

B.TECH. COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2013

BICSE-013 : REAL TIME SYSTEMS

Time : 3 hours *Maximum Marks : 70*

Note : *Answer any seven questions. Each question carries equal marks.*

1. What is a real time system ? What are the components of a real time system ? Give some examples ? **10**

2. What is a real time operating system ? Describe the basic elements of an real time operating system. **10**

3. Explain analysis of required documents and preliminary design in analysis and design. **10**

4. Describe the following :
   (a) Modular Design **5**
   (b) Estimation of Cost **5**

5. Explain structured flow charts in software design with a suitable example. **10**

6. What are the limitations of assembly language and high level language ? **10**

7. Explain :
   (a) Subroutine calls and returns **5**
   (b) Subroutine parameters **5**

8. What is an interrupt ? Describe various interrupts and service routines. **10**

9. Define an interface. Explain parallel input and output interface ? **10**

10. What are the various parts of input system ? Explain any two parts. **10**

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