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S.Y B.Sc (SEMESTER IV)

FIRST INTERNAL EXAMNINATION – March, 2014

US04CCSC02

Date: 11.03.2014, TUESDAY **Time: 1:00 to 2.30** **Max Marks: 30**

Q - 1 **Attempt Any Three** **[06]**

- [A] List and explain the components of a Computer System.
- [B] Define the term 'Process'.
- [C] What is Segmentation?
- [D] What is the function of Layer 1 in Layered Systems?
- [E] Explain the term Scheduler in brief?
- [F] Differentiate between Logical and Physical Address space.

Q – 2 **Explain the following function of an Operating System :** **[08]**

(i) Process Management (ii) Memory Management
(iii) File Management (iv) Input / Output Management

OR

Q – 2 **Explain in brief the Client-Server model.** **[08]**

Q – 3 **Describe the Process Control Block (PCB).** **[08]**

OR

Q – 3 **Write brief note on Scheduling Criteria.** **[08]**

Q – 4 **Explain the Demand Paging along with its advantages and disadvantages.** **[08]**

OR

Q - 4 **Discuss the Second Chance Replacement Algorithm.** **[08]**

*** ALL THE BEST ***