**DCA1201 Operating System**

**Assignment Set-I**

1. Discuss the types of operating systems. Write a brief note on operating system structures.

2. Discuss the CPU scheduling algorithms. Why is scheduling important?

3. Discuss Interprocess Communication and critical-section problem along with use of semaphores.

**Assignment Set-II**

4. What is a Process Control Block? What information does it hold and why? What are monitors? What is it role?

5. Discuss the different File Access Methods. What are I/O Control Strategies?

6. Explain Paging and Segmentation along with page map table and internal external fragmentation details.

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