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PGDCA-4, M.Sc.(CA)-4
1st Year Examination, Calendar Batch 2017
Operating System with Unix & Shell Programming

Time : 3 Hours]

[Max. Marks : 100

*Note. Attempt any **five** questions. Each questions carry equal marks.*

- Q. 1. What do you mean by deadlock? Explain its necessary condition with various deadlock prevention and deadlock recovery methods.
- Q. 2. Draw the file system Layout of UNIX? Explain all file system. What are the standard I/O library control functions?
- Q. 3. Define SMTP and POP3.
- Q. 4. Explain the Multiprogramming Operating system. Describe the differences b/w symmetric and asymmetric multiprocessing.
- Q. 5. Explain the priority scheduling. Discuss Long-Term, Short-Term and medium-Term scheduling.
- Q. 6. What do you mean by term Scheduling? Describe different type of scheduling algorithm.
- Q. 7. What do you mean by Operating system? Explain the features of O/S. Explain the multiprocessor system.
- Q. 8. What are the main advantages of Layered Approach to Operating System design?