Bapatla Engineering College :: Bapatla

(Autonomous)

Department of Information Technology

Mid Term Examination-II

Subject: UP (14IT506/D). **Max.Marks:**30M.
Class : III Yr. B.Tech., IT **Time: 1** ½ Hour.
Semester: I Semester. **Date:** 02-11-19**.**

Part-I

Answer all the questions. Each one carries one mark. **6 x 1= 6M.**

1. a) What is system call? [CO3, L1]
   b) Provide the difference between fork() and exec() system calls. [CO3, L4]
   c) Write about getdents() system call. [CO3, L2]
   d) Is orphan process has the zombie state? Why? [CO4, L2]
   e) How can you suspend and resume a process? [CO4, L3]
   f) How semaphore is IPC mechanism? [CO4, L3]

Part-II

Answer any one question from each unit. **2 x 12 = 24M.**

UNIT-I

2. a) Explain regular file management system calls in detail with examples. [CO3, L2] 6M
   b) Explain miscellaneous file management system calls with examples. [CO3, L2] 6M

(OR)

3. a) Explain process management system calls with examples. [CO3, L2] 6M
   b) Give short notes on followings: [CO3, L2] 6M
      i) Zombie process
      ii) nice ()
      iii) stat ()

UNIT-II

4. How a Signal Occur? List all Signals. Explain various Signals and signal handler with example.[CO4, L2] 12M

(OR)

5. Define IPC? Explain pipes and sockets in detail. [CO4, L2] 12M

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