BCH-2314

M. Sc. (CA & IT) (Sem. IV) Examination
March / April - 2014
404 : Operating Systems & UNIX

Time : 3 Hours] [Total Marks : 70

1 a Write any three: 15
i Write and explain services of operating system.
ii What is process? Explain PCB in brief.
iii Explain process scheduling & performance criteria.
iv What is deadlock? Explain conditions of occurrence of deadlock.

b Write any two: 4
i Mutual Exclusion
ii Semaphore
iii Real time Operating system.

2 Write any four: 16
i Explain dynamic memory allocation Scheme with example.
ii Explain paging in brief.
iii Explain demand paging in detail.
iv What is virtual memory? Explain how it works.

BCH-2314] 1 [Contd....
3 a Write any three:
   i  Explain program controlled I/o in detail.
   ii Explain Interrupt driven I/o in brief.
   iii What is file? Explain file continuous allocation method.
   iv Explain directory services in brief.

b Write any two:
   i  Direct access method
   ii  Interrupt latency
   iii  PIT

4 Write any four:
   i  Explain RPC in detail.
   ii  What is shell? Explain type of shell.
   iii  Explain VI Editor in brief.
   iv  Explain proper architecture in detail.