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Question Paper Code: 52301

M.E. DEGREE EXAMINATION, MAY 2017

Elective

Computer Science and Engineering

15PCS504 - OPEN SOURCE SYSTEMS AND NETWORKING

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Explain segmentation in hardware. (20)
Or
(b) Explain different features of Kernel synchronization. (20)
2. (a) Explain Segmentation in hardware in Linux. (20)
Or
(b) Explain page fault exception handler. (20)
3. (a) Explain implementations of VFS system calls. (20)
Or
(b) Explain file system handling. (20)
4. (a) How to register a PCI in NIC device driver? (20)
Or
(b) Explain in detail Kernel system calls. (20)

5. (a) Explain in detail about Understanding IPV4 addressing. (20)

Or

(b) Explain in detail essential elements of routing. (20)
