

Code No: 5158B

R13

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M. Tech I Semester Examinations, October - 2015

ADVANCED OPERATING SYSTEMS

(Computer Science and Engineering)

13/10, AN

Time: 3hrs

Max.Marks:60

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 20 marks. Answer all questions in Part A.

Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 8 marks and may have a, b, c as sub questions.

PART - A

5 × 4 Marks = 20

- 1.a) Explain the basic components of Linux operating system. [4]
- b) Discuss about Naming and Transparency. [4]
- c) Explain the features of real time kernels. [4]
- d) What are the characteristic features of network operating systems? [4]
- e) Explain about access control. [4]

PART - B

5 × 8 Marks = 40

2. Explain about significance of real time operating systems. [8]
- OR
3. Discuss about Principles of real time operating systems. [8]
4. Explain about features of distributed operating systems. [8]
- OR
5. Discuss the working principles of distributed operating systems. [8]
6. Explain about Network operating system Design issues. [8]
- OR
7. Explain about challenges of network operating systems. [8]
8. Write about Kernel development Issues. [8]
- OR
9. Explain about Remote procedure Call? [8]
10. Explain about principles and goals of the protection. [8]
- OR
11. Discuss about implementation of access matrix. [8]

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