Code No: RR311904	RR	SET-1

B. Tech III Year I Semester Examinations, December-2011
OPERATING SYSTEMS AND SYTEMS PROGRAMMING
(ELECTRONICS AND COMPUTER ENGINEERING)

Time: 3 hours **Max. Marks: 80**

Answer any five questions
All questions carry equal marks

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1. Explain Intrusion detection. Discuss the approaches to intrusion detection and audit records? [16]

2.a) Write about linkers and loaders ?
b) Explain the process of the designing macro processor? [8+8]

3.a) Define monitor. What are its characteristics?
b) Write about semaphores? [8+8]

4. Elaborate the following Solaris Thread Synchronization Primitives.
a) Readers/Writer Lock
b) Condition Variables. [8+8]

5.a) Compare global and local page replacement algorithms. What are the advantages of each?
b) Describe two-level paging. What problems two-level paging tries to solve? [8+8]

6.a) Explain Fair-share scheduling policy with an appropriate example. Compare its performance with any other scheduling policy?
b) Explain scheduling in UNIX? [8+8]

7.a) Discuss the criteria for choosing a file organization.
b) Write about record blocking? [8+8]

8. Write short notes on any TWO of the following?
i) Linux Memory management
ii) Windows 2000 I/O
iii) Single pass assembler for IBM PC. [16]

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Code No: RR311904	RR	SET-2

B. Tech III Year I Semester Examinations, December-2011
OPERATING SYSTEMS AND SYTEMS PROGRAMMING
(ELECTRONICS AND COMPUTER ENGINEERING)

Time: 3 hours **Max. Marks: 80**

Answer any five questions
All questions carry equal marks

1.a) Define monitor. What are its characteristics?
b) Write about semaphores? [8+8]

2. Elaborate the following Solaris Thread Synchronization Primitives.
a) Readers/Writer Lock
b) Condition Variables. [8+8]

3.a) Compare global and local page replacement algorithms. What are the advantages of each?
b) Describe two-level paging. What problems two-level paging tries to solve? [8+8]

4.a) Explain Fair-share scheduling policy with an appropriate example. Compare its performance with any other scheduling policy?
b) Explain scheduling in UNIX? [8+8]

5.a) Discuss the criteria for choosing a file organization.
b) Write about record blocking? [8+8]

6. Write short notes on any TWO of the following?
i) Linux Memory management
ii) Windows 2000 I/O
iii) Single pass assembler for IBM PC. [16]

7. Explain Intrusion detection. Discuss the approaches to intrusion detection and audit records? [16]

8.a) Write about linkers and loaders ?
b) Explain the process of the designing macro processor? [8+8]

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Code No: RR311904 | RR | SET-3

B. Tech III Year I Semester Examinations, December-2011
OPERATING SYSTEMS AND SYTEMS PROGRAMMING
(ELECTRONICS AND COMPUTER ENGINEERING)

Time: 3 hours **Max. Marks: 80**

Answer any five questions
All questions carry equal marks

1.a) Compare global and local page replacement algorithms. What are the advantages of each?
b) Describe two-level paging. What problems two-level paging tries to solve? [8+8]

2.a) Explain Fair-share scheduling policy with an appropriate example. Compare its performance with any other scheduling policy?
b) Explain scheduling in UNIX? [8+8]

3.a) Discuss the criteria for choosing a file organization.
b) Write about record blocking? [8+8]

4. Write short notes on any TWO of the following?
i) Linux Memory management
ii) Windows 2000 I/O
iii) Single pass assembler for IBM PC. [16]

5. Explain Intrusion detection. Discuss the approaches to intrusion detection and audit records? [16]

6.a) Write about linkers and loaders ?
b) Explain the process of the designing macro processor? [8+8]

7.a) Define monitor. What are its characteristics?
b) Write about semaphores? [8+8]

8. Elaborate the following Solaris Thread Synchronization Primitives.
a) Readers/Writer Lock
b) Condition Variables. [8+8]

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Code No: RR311904 | RR | SET-4

B. Tech III Year I Semester Examinations, December-2011
OPERATING SYSTEMS AND SYTEMS PROGRAMMING
(ELECTRONICS AND COMPUTER ENGINEERING)

Time: 3 hours **Max. Marks: 80**

Answer any five questions
All questions carry equal marks

1.a) Discuss the criteria for choosing a file organization.
b) Write about record blocking? [8+8]

2. Write short notes on any TWO of the following?
i) Linux Memory management
ii) Windows 2000 I/O
iii) Single pass assembler for IBM PC. [16]

3. Explain Intrusion detection. Discuss the approaches to intrusion detection and audit records? [16]

4.a) Write about linkers and loaders ?
b) Explain the process of the designing macro processor? [8+8]

5.a) Define monitor. What are its characteristics?
b) Write about semaphores? [8+8]

6. Elaborate the following Solaris Thread Synchronization Primitives.
a) Readers/Writer Lock
b) Condition Variables. [8+8]

7.a) Compare global and local page replacement algorithms. What are the advantages of each?
b) Describe two-level paging. What problems two-level paging tries to solve? [8+8]

8.a) Explain Fair-share scheduling policy with an appropriate example. Compare its performance with any other scheduling policy?
b) Explain scheduling in UNIX? [8+8]

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