

Note: Answer all questions of Part A. Answer any five questions from Part B.

PART – A		25
1. What is a protocol ?		2
2. Define Manchester and differential Manchester encoding.		3
3. What is interfacing ?		3
4. What is a parity check ?		2
5. What is congestion ?		3
6. What is the use of AAL protocol ?		2
7. Compare Bus topology with star topology.		3
8. What is Ad-HOC Networking ?		2
9. Define FDDI.		2
10. What are the advantages of CSMA/CD over CSMA ?		3

PART – B		50
11. What are the transmission impairments ? Explain all of them.		10
12. Write a notes on :		

- a) Guided transmission media.
- b) Sliding window protocol.

(This paper contains 2 pages)

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Code No. : 5439/N

FACULTY OF ENGINEERING
B.E. 2/4 (CSE) II Semester (New) (Main) Examination, May/June 2012
OBJECT ORIENTED PROGRAMMING USING JAVA

Time : 3 Hours]

[Max. Marks : 75

Note: Answer all questions from Part A.
Answer any five questions from Part B.

PART – A		(25 Marks)
1. Define object oriented development.		3
2. What is a package ?		2
3. What are the different ways of defining constants in Java ?		2
4. Differentiate string and string buffer.		3
5. What are iterators ?		2
6. What is wrapper class ?		3
7. List the layout managers.		3
8. Differentiate label and test field.		2
9. List the byte stream classes.		3
10. What is serialization ?		2

PART – B (50 Marks)

- 11. a) What is type conversion and casting ? Explain with example.
- b) What is an interface ? Give example.
- 12. a) What is synchronisation ? Explain with example.
- b) Write a program to create and use user defined exception.

(This paper contains 2 pages)

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Hyderabad - 500 021
Osmania College of Engineering
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Code No. : 6210

FACULTY OF ENGINEERING
B.E. 2/4 (CSE) II Semester (Main) Examination, June 2010
OBJECT ORIENTED PROGRAMMING USING JAVA

Time: 3 Hours]

[Max. Marks : 75

Note: Answer all questions from Part – A. Answer any five

questions from Part - B.	
PART – A	25 Marks
1. List control statements with simple example.	3
2. What is a class ?	2
3. Write a simple program for reading a file.	3
4. Explain printwriter class with an simple example.	2
5. Explain about string tokenizer.	2
6. Explain about Bitset and Timer.	3
7. List the methods in Inputstream .	3
8. List the methods in OutputStream.	2
9. What is an frame ?	2
10. Explain the life cycle of an applet.	3
PART – B	50 Marks
11. Explain the concept of inheritance and give examples on each type of inheritance.	
12. Write a program that shows three methods that exit in various ways, none without executing their finally clauses.	

(This paper contains 2 pages)

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Code No.: 211/N	
FACULTY OF ENGINEERING	
B.E. II/IV (CSE) II Semester (Supplementary) Examination, December 2008	
OPERATING SYSTEM	
Time : 3 Hours]	
[Max. Marks : 75	
Answer all questions of Part A.	
Answer any five questions from Part B.	
Part A – (Marks : 25)	
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<p>1. What can be the various states of a process ? 2</p> <p>2. What can be the different parameters to define a multilevel feedback queue scheduler? 3</p> <p>3. Under what circumstances do page faults occur? 2</p> <p>4. What is a Free – space list? What are the different approaches to implement it. 3</p> <p>5. What is a Semaphore ? Where can it be used ? 2</p> <p>6. What is a Resource – Allocation Graph? Where can it be used? 3</p> <p>7. With regard to Disk scheduling, define seek time, rotational latency. 2</p> <p>8. How does DMA increase system concurrency? 2</p> <p>9. What are the aims of the central conflict resolution mechanism provided by LINUX system? 3</p> <p>10. What are the design principles of the WindowsXP system? 3</p>	
Part B – (Marks : 5 × 10 = 50)	
<p>11. (a) Describe the actions taken by a Kernel to switch context between processes. 5 (b) Explain the criteria for comparing CPU scheduling algorithms. 5</p> <p>12. (a) Explain the "Segmentation with paging" scheme of memory management. 5 (b) What are the advantages and disadvantages of contiguous, linked and indexed allocation schemes of disk space. 5</p> <p>13. (a) Give an algorithm to solve the readers – writers problem using semaphores. 6 (b) What are various schemes for recovery from deadlocks ? Explain. 4</p>	
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2-2 CSE
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Code No. : 5238

FACULTY OF ENGINEERING	
B.E. 2/4 (CSE) II Semester (Suppl.) Examination, January 2012	
OPERATING SYSTEMS	
Time: 3 Hours]	[Max. Marks: 75
<i>Note: Answer all questions from Part A, answer any five questions from Part B.</i>	
PART – A	(25 Marks)
1. What are the five major activities of an operating system in regard to file management ? 3	
2. Enlist the major criteria for comparing CPU scheduling algorithms. 2	
3. What is the use of translation look aside buffer in memory management ? 3	
4. Enlist the different file allocation methods to effectively utilize the disk space. 2	
5. How is the "condition construct" useful in the Monitor-synchronization scheme ? 3	
6. What are the necessary conditions for deadlock to occur ? 2	
7. How is reliability by redundancy obtained in disks ? 2	
8. What is the specific advantage of using interrupt priority levels ? 3	
9. What are the basic design principles of LINUX system ? 3	
10. What is the importance of hardware abstraction layer in WINDOWS-XP ? 9	

PART – B

(5×10=50 Marks)

11. a) What are the benefits of using virtual machines ? Explain. 5
b) What is multilevel queue scheduling and multilevel feedback queue scheduling ? Where is it more useful ? 5
12. a) What is a page fault ? What are the steps in handling a page fault ? Explain. 5
b) What is the advantage of Acyclic-graph directory structure as compared to the tree directory structure of files ? 5

(This paper contains 2 pages)

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Code No. : 5239/O

**FACULTY OF ENGINEERING
B.E. 2/4 (CSE) II Semester (Old) Examination, May/June 2012
DATA COMMUNICATIONS**

Time: 3 Hours]

[Max. Marks : 75]

*Note: Answer all questions of Part A. Answer any five questions from Part B.***PART – A**

25

1. What is a protocol ? 2
2. Define Manchester and differential Manchester encoding. 3
3. What is interfacing ? 3
4. What is a parity check ? 2
5. What is congestion ? 3
6. What is the use of AAL protocol ? 2
7. Compare Bus topology with star topology. 3
8. What is Ad-HOC Networking ? 2
9. Define FDDI. 2
10. What are the advantages of CSMA/CD over CSMA ? 3

PART – B

50

11. What are the transmission impairments ? Explain all of them. 10
12. Write a notes on :
a) Guided transmission media. 5
b) Sliding window protocol. 5

(This paper contains 2 pages)

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