



Eighth Semester B.E. Degree Examination, May/June 2010 ADHOC Networks

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART – A

1	•	Give any five differences between cellular wireless networks and ADHC networks.	C wireless (05 Marks)
· .		Explain any six issues of ADHOC wireless networks.	(12 Marks)
	C.	Write a note on ADHOC wireless internet.	(03 Marks)
2	a.	Describe in detail, MACAW and MACA-BY-invitation protocols.	(10 Marks)
-	b.	Explain any two contention based with preservation mechanism MAC protocols.	(10 Marks)
3	a.	Explain:	
		i) Distributed priority scheduling MAC protocol	
- .		ii) Distributed wireless ordering MAC protocol.	(08 Marks)
	b.	Describe the working mechanism of MAC protocol using directional antennas. A	lso in brief,
		explain one protocol in this category.	(12 Marks)
Ā		What are the characteristics of neutine mustocal for ADIIOC	
		What are the characteristics of routing protocol for ADHOC network?	(08 Marks)
·		Give the classification of routing protocols for ADHOC wireless networks.	(06 Marks)
	•••	Explain any one table-driven routing protocol for ADHOC wireless networks.	(06 Marks)
	. • .	PART – B	
5	a.		(10 Marks)
5		PART – B Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols.	(10 Marks) (10 Marks)
5		Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO	(10 Marks) C wireless
5	b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks.	(10 Marks) C wireless (10 Marks)
5	b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO	(10 Marks) C wireless
5	ъ. ъ.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP.	(10 Marks) C wireless (10 Marks) (10 Marks)
5	b.a.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP. Give the classification of security attacks in ADHOC wireless networks.	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks)
5	b.a.b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP.	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks) (06 Marks)
5	b.a.b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP. Give the classification of security attacks in ADHOC wireless networks. Describe the symmetric key algorithm for security.	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks)
578	b.a.b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP. Give the classification of security attacks in ADHOC wireless networks. Describe the symmetric key algorithm for security.	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks) (06 Marks) (08 Marks)
57	b.a.b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP. Give the classification of security attacks in ADHOC wireless networks. Describe the symmetric key algorithm for security. Explain the key management in ADHOC wireless networks. Explain the issues and challenges in providing QoS in ADHOC wireless networks.	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks) (06 Marks) (08 Marks)
5 7	b.a.b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP. Give the classification of security attacks in ADHOC wireless networks. Describe the symmetric key algorithm for security. Explain the key management in ADHOC wireless networks. Explain the issues and challenges in providing QoS in ADHOC wireless networks. Explain:	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks) (06 Marks) (08 Marks)
568	b.a.b.	Explain core extraction based distributed ADHOC routing protocol. Describe any two hierarchical routing protocols. Explain the issues and design goals of transport layer protocol for ADHO networks. Explain ADHOC and split TCP. Give the classification of security attacks in ADHOC wireless networks. Describe the symmetric key algorithm for security. Explain the key management in ADHOC wireless networks. Explain the issues and challenges in providing QoS in ADHOC wireless networks.	(10 Marks) C wireless (10 Marks) (10 Marks) (06 Marks) (06 Marks) (08 Marks)

* * * *