

JAYA GROUP OF INSTITUTIONS

THIRUNINRAVUR 602024

8th Semester – B.E. / B.Tech.

Second Model Exam – September - 2014

Sub. Title : **Mobile Adhoc Networks**

Sub. Code : **EC 2050**

Duration : **3 HOURS**

Date : **09.02.2015**

Branch : **ECE**

Max. Marks : **100**

Answer all questions

Part A - (10 x 2 = 20)

1. Differentiate Proactive routing from reactive routing
2. What are the advantages of hierarchical routing?
3. What is meant by QoS aware routing protocol?
4. List out any few characteristics of ideal routing protocol
5. What is meant by On demand routing?
6. Write about Adhoc Transport protocols
7. What are the issues in Adhoc networks?
8. What are the effects of induced traffic in adhoc network?
9. Define Wormhole attack
10. Define Induced traffic

Part B - (5 x 16 = 80)

11. (a) Discuss in detail about Unicast routing algorithm (16)
Or
(b) Write short note on Energy aware routing algorithm (16)
12. (a) Explain the issues in designing a routing protocol for adhoc wireless network. (16)
Or
(b) Explain in detail about proactive routing protocol. (16)
13. (a) Explain in detail about Hybrid protocol. (16)
Or
(b) Explain the impacts of the failure of proxy nodes in split-TCP. (16)
14. (a) Explain the design issues in transport layer. (16)
Or
(b) Explain in detail about network security attack (16)
15. (a) Discuss the effect of multiple breaks on a single path at the TCP-F Sender (16)
Or
(b) Explain how the security provisioning in adhoc network differs from that infrastructure based network. (16)