JAYA GROUP OF INSTITUTIONS- THIRUNINRAVUR

8TH SEMESTER – BE

INTERNAL ASSESSMENT –III (MODEL EXAMINATION III)

Sub Name: MOBILE ADHOC NETWORKS

Date: 30/03/2015

Sub Code: EC2050

Branch: ECE

Duration: 3Hours

Max Marks: 100

PART A(10X2=20) Answer All Questions

1. Why are adhoc networks needed?

2. What are the challenging issues in adhoc network maintenance?

3. List the features of 802.15 standards.

4. What are the classification of MAC protocol?

5. Differentiate Proactive and Reactive routing protocols.

6. How does energy aware routing work?

7. Why does not TCP work well in adhoc network?

8. What is Byzantine attack?

9. Why adhoc network is integrated with mobile IP?

10. What are the factors that affect effective cross layer design?

PART B (5X16=80) Answer the Questions as per the Choice

11. a.i. Discuss in detail about adhoc mobility model   (10)

   ii. What are the characteristics and features of adhoc networks?   (6)

OR

  b.i. Discuss in detail about the characteristics of wireless channel   (8)

   ii. Explain the application area of adhoc network   (8)

12. a. Discuss in detail contention based protocol with scheduling and reservation.   (16)

OR

  b. Briefly Discuss 802.11g IEEE Standard.   (16)

13. a.Discuss in detail on demand routing protocol. (16)

OR

b.i. Discuss about multicast routing algorithm. (16)

14.a. Discuss in detail Feedback based TCP and TCP BUS. (16)

OR

b.i. Discuss in detail various application and network security attack. (8)

ii. Discuss briefly adhoc TCP states and event action mapping. (8)

15. a. Discuss in detail about cross layer optimization technique. (16)

OR

b. Explain elaborately about integration of adhoc with mobile IOP networks (16)