FACULTY OF ENGINEERING

B.E. 4/4 (CSE) I – Semester (Main) Examination, December 2011

Subject: **Adhoc and Sensor Networks (Elective – I)**

Time: 3 Hours   Max. Marks: 75

Note: Answer all questions from Part A. Answer any <u>Five</u> questions from Part B.

PART – A (25 Marks)

1.	Define Adhoc Networks.	3
2.	What is Flooding?	2
3.	What are the different topology maintenance approaches in multicasting?	3
4.	What is broadcasting?	2
5.	Define QoS, why is it important in MANETS.	2
6.	What are the different types of potential attacks?	3
7.	List out the examples of category 2 WSN applications.	3
8.	List two applications of sensor networks.	3
9.	Define Hotspot, 3GPP.	2
10.	What is the use of MAC protocols?	2

PART – B (5 x 10 = 50 Marks)

11.(a) What are the applications of Adhoc Networks?
  (b) Discuss the different design challenges in MANETS.

12.(a) Discuss briefly about multicasting protocols.
  (b) Explain the modification of TCP for Adhoc Networks.

13.(a) Explain about medium access layer.
  (b) Explain the intrusion Detection Techniques.

14.(a) Explain the Basic Network Achitectural Elements.
  (b) What are the challenges and limitations of WSNS?

15. Explain CSMA / CA protocol.

16. Write short notes on any two of the following:
    a) 4G Networks
    b) Wiman
    c) Location based Routing in MANET.

17.(a) Distinguish between proactive and reactive routing protocols.
  (b) Explain the Inter-layer design approaches.