Seat No.	

B.E. (Computer Science. & Engineering) (Part -IV) (Semester - VII) Examination, April - 2018
AD HOC WIRELESS NETWORK (Elective - I)
Sub. Code :67547

Day and Date : Friday, 27- 4 - 2018 **Total Marks : 100**
Time : 2.30 p.m. to 5.30 p.m.

Instructions :
1) **Solve any three questions from each section.**
2) **Figures to the right indicates full marks.**
3) **Make necessary assumptions if required.**

SECTION - I

Q1) a) Explain Dual Busy Tone Multiple access protocol in detail. **[8]**

b) Explain LAR protocol in detail. **[8]**

Q2) Write a note on following issues in Ad Hoc wireless networks.

a) Deployment Considerations in Ad Hoc wireless network. **[6]**

b) Medium Access scheme in Ad Hoc wireless network. **[6]**

c) Routing in Ad Hoc Wireless network. **[6]**

Q3) a) Compare table driven routing protocols and On Demand routing protocols in detail. **[8]**

b) Explain MACA - By invitation protocol in detail. **[8]**

Q4) a) What are the disadvantages of the binary exponential back - off mechanism used in MACA? How are they overcome in MACAW? **[9]**

b) What are the design goals of MAC protocols for Ad Hoc wireless network? **[8]**

P.T.O.

SECTION - II

Q5) a) With a neat event diagram explain source initiated and Receiver Initiated multicast routing protocol. **[9]**

b) Explain Feedback based TCP for Ad Hoc Wireless networks. **[8]**

Q6) a) Explain INORA QoS model in detail. **[9]**

b) What are device and processor energy management schemes? **[8]**

Q7) a) Explain Multicast Zone Routing Protocol protocol in details. **[8]**

b) Why energy management is important in Ad Hoc wireless network? **[8]**

Q8) a) With a neat diagram explain Architectural Reference Model of Multicast routing Protocols. **[9]**

b) List and explain network security attacks in Ad Hoc Wireless Network. **[8]**

✪ ✪ ✪

SUK-69402