

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

Ph.D in Faculty of Applied Science (Computer Applications) /

Ph.D in Faculty of Engineering (CSE)

ADHOC WIRELESS AND SENSOR NETWORKS

M.Code : 77349

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT question.
2. Each question carry TWENTY marks.

Q1 Discuss issues in designing a MAC protocol for Ad Hoc Wireless Network.

Q2 a) How contention based protocol with reservation mechanism is used in wireless communication?

b) Explain the classification of routing protocol.

Q3 Write the factors in designing a transport layer protocol for Ad Hoc Wireless Network.

Q4 What is the need of Energy Management and schemes in Ad Hoc Wireless Networks?

Q5 Discuss about quality frameworks and models for Ad Hoc Wireless Networks.

Q6 a) Write a note on data Gathering in Wireless Sensor Networks.

b) Explain the need of battery management scheme in wireless networks.

Q7 Write in detail about Sensor Network Architecture. What are the components of wireless sensor networks?

Q8 Define following :

a) Data Dissemination

b) Location Discovery

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.