

Ad-hoc Network (Elective-IV)

Time: Three Hours <http://www.rgpvonline.com> Maximum Marks: 70

Note .-Attempt any one question from each unit. All questions carry equal marks.

Unit-I

1. a) Give any six difference between wireless network and . Ad-hoc wireless network? 7
- b) Explain different types of Ad-hoc mobile communications. 7

OR

- 2.. a) Explain any five issues of Ad-hoc wireless network? 7
- b) Discuss in brief the major challenges facing Ad-hoc mobile networks? 7

Unit-II

3. a) What are the pros and cone of using multichannel MACprotocol over single channel MAC protocol? 7
- b) Explain route establishment in Destination Sequenced Distance Vector (DSDV) protocol with an example. 7

OR

4. a) Explain any one table driven routing for Ad-hoc wireless network? 7
- b) Discuss zone routing protocol? 7

Unit-III

5. a) Discuss and Compare Tree Based and Mesh – Based multicast routing protocols? 7
- b) Discuss the different issues n designing multicast routing protocol? 7

OR

6. a) Explain architecture reference model for multicast Routing Protocol? 7
- b) Describe quality of Service in multicasting routing? 7

Unit-IV

7. a) Discuss issue and challenges in security provisioning? 7
- b) Discuss secure routing in Ad-hoc wireless network. 7

OR

8. Discuss security in Ad-hoc wireless network and network security requirements? 14

Unit-V

9. a) Describe issues and challenges in providing QOS in Ad-hoc wireless networks. 7
- b) Describe MAC layer and network layer solutions.

OR

10. Write a short notes: 7x2=14
 - i) QOS Frame work for Ad-hoc wireless network?
 - ii) Energy management in Ad-hoc wireless network?