

Seat No.	
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B.E. (Computer Science and Engineering) (Semester-VII)
Examination, November - 2018

ADHOC WIRELESS NETWORKS (Elective - I)

Sub. Code : 67547

Day and Date : Thursday, 29 - 11 - 2018

Total Marks : 100

Time : 02.30 p.m. to 05.30 p.m.

- Instructions:
- 1) Solve any three questions from each section.
 - 2) Figure to right indicates marks.
 - 3) Make necessary assumptions if required.

SECTION - I

- Q1)** a) What are the differences between cellular network and Ad Hoc wireless network? [8]
 b) Explain MACA-By Invitation protocol in detail. [8]
- Q2)** a) How MARCH protocol works? Explain in details. [8]
 b) Explain ABR protocol of routing in detail. [8]
- Q3)** a) What are the disadvantages of binary exponential back-off (BEB) mechanism used in MACA?
 How are they overcome in MACAW? [9]
 b) Explain WRP protocol in detail. [9]
- Q4)** a) What is the effect of distributed nature/lack of central coordinator in Ad Hoc Network? [8]
 b) What are the different criterias used to classify the types of routing protocols? [8]

P.T.O.

SECTION - II

- Q5) a) With a neat diagram explain Architectural Reference Model of Multicast routing protocols. [9]
b) What are the issues and challenges in security provisioning in Ad Hoc network [9]
- Q6) a) Explain INORA QOS model in detail. [8]
b) Explain NSMP protocol in detail. [8]
- Q7) a) Explain Split TCP protocol with example. [8]
b) Explain Processor Power Management Scheme in detail, [8]
- Q8) a) Why it is important to do energy management in Ad Hoc wireless networks. [8]
b) Explain SWAN QoS model in detail. [8]

