Question Paper

MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES
FIRST SEMESTER MASTER OF ENGINEERING - ME (Automative Embedded Systens)
DEGREE EXAMINATION- NOVEMBER 2017
DATE : Wednesday, November 15, 2017
TIME : 10:00AM - 1:00PM
Vehicular Adhoc Networks [AES 603]

Marks: 100   Duration: 180 mins.

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Answer all the questions.

1)   Write a note on the Taxonomy of Vehicular Communication Systems.   (10)

2)   Write a brief description on the Evaluation perspective in Vehicular Adhoc Networks?   (10)

3)   Explain the three core components of Secure Position-Based Routing Protocol?   (10)

4)   Write a note on the DHCP and Address Resolution Protocol with respect to IP Address Auto configuration in VANETs.   (10)

5)   Explain the principle and procedure of Emergency-vehicle approach information with respect to broadcast methods   (10)

6)   Explain the different challenges in Emergency message dissemination with respect to MAC.   (10)

7)   Write a note on the Enabling technologies in Cooperative Vehicular Safety applications.   (10)

8)   What is the significance of Geographical Data Aggregation in VANET? Discuss any two Data aggregation schemes for VANETs.   (4+6 Marks)   (10)

9)   What are the main properties and capabilities that makes an attacker with respect to attacker's model?   (10)

10)   Write a note on the Cryptography services in Security Infrastructure with respect to Data Security in Vehicular Communications.   (10)

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