

Code No: 09A80505

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech IV Year II Semester Examinations, July - 2014

ADHOC AND SENSORS NETWORKS

(Common to CSE, IT)

Time: 3 Hours

Max. Marks: 75

Answer any Five Questions  
All Questions Carry Equal Marks

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- 1.a) With a neat diagram, explain the architecture of mobile Adhoc network (MANET).
- b) List and describe the characteristics of MANETS.
- 2.a) Compare and contrast the *topology-based* and *position-based* routing algorithms for Ad hoc networks.
- b) Describe in detail about QoS routing.
- 3.a) Discuss redundancy analysis in broadcasting storm.
- b) What are the Solutions for TCP over Ad Hoc? Explain
- 4.a) Describe the various challenges in wireless sensor networks(WSN).
- b) Briefly discuss about heterogeneous WSN.
- 5.a) Explain the classification of WSN.
- b) With an example, explain multipath based routing.
- 6.a) Describe in detail about IDS Architecture for Ad Hoc Networks.
- b) Discuss briefly about Key Distribution and Management in WSN.
- 7.a) Draw a neat diagram to explain MICA mote architecture.
- b) Briefly explain the working of Simulator TOSSIM.
8. Explain in detail about nesC language constructs and restrictions to implement TinyOS components and applications.

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