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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, February/March - 2022
AD-HOC AND SENSOR 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) State the advantages and disadvantages of proactive and reactive routing algorithms for Manets.
  b) Illustrate the working of ZRP, a hybrid Manet routing algorithm.   [7+8]

2.a) Compare and contrast the two Manet routing algorithms- DSR and AODV.
  b) Write about DREAM location service.   [7+8]

3.a) Explain the terms – RDT and Jitter used in broadcast algorithms.
  b) Explain the concept in area-based methods for broadcast.   [7+8]

4.a) Illustrate the working of AMRIS, a multicast protocol.
  b) Explain the methodology used in MCEDAR, a hybrid multicast protocol.   [8+7]

5.a) Explain the steps involved in GeoTORA for geocasting.
  b) Distinguish the terms- unicast, broadcast, multicast, geocast and anycast. [8+7]

6.a) Illustrate the reasons for poor performance of TCP over ad hoc links.
  b) Explain any one mobility-related solution for TCP in Manets.   [7+8]

7.a) Illustrate the Link Layer in WSN.
  b) Give the classification of routing algorithms for WSN.   [7+8]

8.a) Explain the issues in adapting to the inherent dynamic nature of WSNs.
  b) Write about Mobile Robots with Sensors.   [7+8]

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