Code No: 138AB

R16

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, September - 2020
ADHOC AND SENSOR NETWORKS
(Information Technology)

Time: 2 Hours   **Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks
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1. Compare and contrast the two Manet routing algorithms- AODV and DSDV. [15]

2. Briefly write about Area-based broadcasting schemes. [15]

3. Write about Mesh-based Geocast routing (MGR) algorithm. [15]

4. Illustrate the working of Directed Diffusion Algorithm for Routing in WSN highlighting the following concepts:
   a) Reinforcement
   b) Source Models. [7+8]

5.a) What is meant by Data Aggregation?
   b) Compare and contrast a WSN from a Manet. [5+10]

6.a) Enumerate the applications of Manets.
   b) Illustrate the working of AODV Manet routing algorithm. [5+10]

7. Differentiate the various multicasting algorithms for Manets giving taxonomy. [15]

8.a) Write the steps in GeoTORA algorithm for Geocasting in Manets.
   b) Explain the ELFN approach for solving TCP problems over Ad hoc links. [7+8]

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