

**R20**

**Code No: 873AF**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**MCA III Semester Examinations, September/October - 2022**

**AD-HOC AND SENSOR NETWORKS**

**Time: 3 Hours**

**Max.Marks:75**

**Answer any five questions  
All questions carry equal marks**

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- 1.a) Discuss about the applications of MANETs.
- b) Discuss about the challenges of MANETs. [7+8]
- 2.a) Give an overview of destination-sequenced distance-vector protocol.
- b) Discuss about Location aided routing. [8+7]
- 3.a) List the common characteristics of all broadcasting schemes.
- b) Discuss about the probability based methods for broadcasting. [7+8]
- 4.a) Discuss Scalable Broadcast Algorithm (SBA).
- b) Discuss about Route discovery in the MAODV protocol. [7+8]
5. Discuss about route creation oriented geocast protocols. [15]
- 6.a) Discuss about The ELFN Approach.
- b) Discuss about COPAS protocol. [7+8]
- 7.a) Give an overview on classification of sensor networks.
- b) Explain the architecture of sensor networks. [7+8]
- 8.a) Discuss about In-Network Processing.
- b) Discuss about sensor networks and mobile robots. [7+8]

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