

(A80542) ADHOC AND SENSOR NETWORKS

Unit Wise Assignments

UNIT – I :

2 Marks

- | | |
|---|--|
| 1 | What are factors that influence the routing in a MANET? May-2017 |
| 2 | Explain about cellular networks? |
| 3 | List out some MANET node protocols? |

3 Marks

- | | |
|----|--|
| 1. | Explain the location based scheme. May-2017 |
| 2 | Explain how scalability and QoS are achieved?-DEC 2015 |
| 3 | Write short notes on Client server model shift & Security? MAY -2013 |

5 Marks

- | | |
|---|---|
| 1 | Describe the applications of a MANET.-DEC 2015 |
| 2 | Explain the challenges that need to be addressed at Transport, Network and MAC layer of a MANET-DEC |
| 3 | Describe the working of signal stability based routing protocol for MANETS.-DEC 2015 |
| 4 | Differentiate various routing approaches for MANETS.- DEC 2015 |
| 5 | Explain how scalability and QoS are achieved? MY -2013 |

UNIT – II :

2 Marks

- | | |
|---|--|
| 1 | What are the challenges of TCP over adhoc networks? May-2017 |
| 2 | Define hybrid routing? |
| 3 | Define DSDV protocol? |

3 Marks

- | | |
|---|---|
| 1 | Distinguish between static and dynamic channel allocations. May-2017 |
| 2 | What are the issues that need to be addressed to provide multicasting in a MANET DEC 2015 |
| 3 | What do you mean by GEOCASTING. DEC 2015 |

5 Marks

- | | |
|---|---|
| 1 | Compare between Multicasting and Geocasting. May 2016 |
| 2 | Write short notes on Link reversal Routing and TORA? MAY 2016 |
| 3 | Define OLSR? Explain? |

UNIT – III :

2 Marks

- | | |
|---|--|
| 1 | Explain when the broadcast storm occurs in ad hoc networks? |
| 2 | Define congestion? |
| 3 | List out the different classes of broadcasting protocols for MANETS? |
| 4 | Define multipoint relaying? |

3 Marks

- | | |
|---|---|
| 1 | Explain about the MICA mote. |
| 2 | List the problems that effect secure adhic routing.- DEC 2015 |
| 3 | Explain about stateless approaches in detail? |
| 4 | |

5 Marks

- | | |
|---|--|
| 1 | Define Broadcast Storm .Explain about the broadcasting in MANET? |
| 2 | Explain about stateless approaches in detail? |
| 3 | Briefly illustrate the various Geocast routing protocols? |
| | |
| | |
| | |

UNIT – IV :

2 Marks

- | | |
|---|--|
| 1 | Explain the steps involved in in the Burmester and Desmedt Protocol.- MAY 2017 |
| 2 | Define Unreliable Broadcast network |
| 3 | Define congestion? |
| | |

3 Marks

- | | |
|---|--|
| 1 | What are the drawbacks of CLIQUES protocol?- MAY 2017 |
| 2 | Explain the classification of nodes in the network by using CAMP- MAY 2017 |
| 3 | List out the applications of sensors. |
| | |

5 Marks

- | | |
|---|---|
| 1 | List out the applications of Sensors. |
| 2 | Explain the significance of CLUSTERING OF SENSORS-MAY 2017 |
| 3 | Explain the functions of various components of sensor network hardware-MAY 2016 |
| 4 | Explain about any two tree based approaches in multicast routing protocol? |
| | |
| | |

UNIT – V :

2 Marks

1	Explain the features of Tiny GALS- MAY 2017

3 Marks

1	What Are the components of Tiny OS? -MAY 2017
2	Write a short notes on the features of NS-2 with sensor network extension- MAY 2017
3	Write a short notes on sensing and communication range of wireless sensors- DEC 2015

5 Marks

1	Describe in detail about STEM protocol?
2	Write a brief notes on Tiny OS and TOSSIM