

**JAYA ENGINEERING COLLEGE, THIRUNINRAVUR**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**SUBJECT CODE/NAME: EC2043/WIRELESS NETWORKS**

**YEAR/SEM: IV/VIII**

**POSSIBLE 16 MARKS QUESTIONS**

**UNIT-I**

1. Explain in detail about fixed assignment for voice oriented networks?
2. Describe about random access for data oriented networks?
3. What is Hand-off? Explain their types in detail.
4. Explain the detail of security and privacy needs in wireless communication?

**UNIT-II**

1. Explain in detail about first generation analog of cellular system.
2. Describe about mobile wireless TDMA design considerations?
3. Draw the GSM architecture? Explain in detail.
4. Explain in detail about second generation CDMA?
5. Explain in detail about RAKE receiver in TDMA?
6. Explain the detail about INTERIUM STANDARD-95?
7. Explain in detail about second generation CDMA-2000.

**UNIT-III**

1. Explain in detail about WLAN (IEEE802.11) architecture and services.
2. Explain in detail about Medium Access control layer.
3. Explain in detail about PHY layer.
4. Describe in detail about HIPERLAN.
5. Explain in detail about WiMax.

## **UNIT-IV**

- 1.What is MANET? Explain in detail about MANET.
- 2.Explain in detail about classification of MANET.
- 3.Explain in detail about hybrid routing protocol.
- 4.Explain in detail about on demand routing protocol.
- 5.Explain in detail about table driven routing protocol.
- 6.Describe about wireless sensor network?

## **UNIT-V**

1. Explain in detail about WMAN IEEE 802.16.
2. Explain in detail about WPAN.
3. Explain in detail about Bluetooth in WPAN.
4. Explain in detail about Physical and MAC layer details.
5. What are the different standards in WPAN?

**PREPARED BY**

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