

Total No. of Questions : 8]

[Total No. of Printed Pages : 2

Roll No .....

## **IT-7003-CBGS**

### **B.E. VII Semester**

Examination, June 2020

## **Choice Based Grading System (CBGS)**

### **Wireless And Mobile Computing**

*Time : Three Hours*

*Maximum Marks : 70*

**Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) What is Antenna? Draw and explain any four types of Antenna.  
b) Why are need Multiple Access Technique? Differentiate TDMA, FDMA and CDMA techniques.
2. a) Draw and explain the architecture of cellular system. What is Hand off?  
b) What type of services are provided by GSM system? Explain its architecture.
3. a) Name two types of GSM logical channels and explain them in detail.  
b) Discuss DECT system with its features and characteristics.
4. a) Describe the physical layer architecture of 802.11 standard.  
b) What is HIPERLAN-2? Draw and explain HIPERLAN-2 protocol stack.

IT-7003-CBGS

PTO

[2]

5.
  - a) Define the need of Adhoc networks. Write special features and challenges of Adhoc networks.
  - b) What are the functions of Routing protocols in Adhoc network? Give a classification of Adhoc routing protocols.
6.
  - a) Describe Indirect TCP and Snooping TCP protocols used in Adhoc networks.
  - b) Write a short note on WAP.
7.
  - a) What is Firewall? Explain the design principle of Firewall.
  - b) Differentiate Viruses, Worms and Trojan horse.
8. Write short notes on any two of the followings.
  - a) Password management
  - b) Intruders
  - c) TETRA
  - d) Biometrics

\*\*\*\*\*