VELAMMAL INSTITUTE OF TECHNOLOGY, CHENNAI- 601204

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ASSIGNMENT QUESTIONS WITH KEY

Academic Year	**2018-2019**
Batch	**2015-2019**
Year/Semester/section	**IV/VIII/B**
Subject Code-Title	**EC6802 – WIRELESS NETWORKS**
Name of the Instructor	**B.V.Santhosh Krishna**

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Assignment No: 1 Total marks:20
Date of Issue: 26-12.2018   **Date of Submission:** 09.01.2019

Sl.No	Assignment Questions	K Level	CO	Marks
1.	**Explain** protocol model of IEEE802.11 with physical and MAC layer. *Definition , Protocol model, Explanation*	K2 Understanding	CO1	5
2.	**Ilustrate** HIPERLAN 1 and compare it with HIPERLAN 2. *Hiperlan architecture diagram with explanation*	K2 Understanding	CO1	5
3.	**Explain** in detail about IPV6 *Explanation with layered architecture*	K2 Understanding	CO2	10
4.	**Identify** the solutions recommended for micromobility support ? *Cellular IP, HAWAII, Hierarchical Mobile IP*	K3 Apply	CO2	10

Assignment No: 2 Total marks:20
Date of Issue: 05.02.2019   **Date of Submission:** 18.02.2019

1.	**Explain** various schemes to improve the performance of TCP. *Indirect TCP, Mobile TCP, Snooping*	K2 Understanding	CO3	5
2.	**Classify** the different approaches for "mobile" TCP? *Objectibe, end to end semantics*	K2 Understanding	CO3	5
3.	**Explain** about LTE architecture and its protocol model *Network architecture,overview, EPS elements*	K2 Understanding	CO4	5
4.	**Demonstrate** UMTS core network architecture with neat illustrations. *3G-MSC, 3G-SGSN,3G-GGSN, SMS-GMSC*	K2 Understanding	CO4	5

Assignment No: 3 Total marks:20
Date of Issue: 20.02.2019   **Date of Submission:** 04.03.2019

1	**Illustrate** various 4G technologies with its application. *MCM, Smart Antenna, OFDM & applications*	K3 Apply	Co5	10
2	**Construct** a mobile ad hoc network to find the shortest route from node A to node B using network simulator, Compare cellular communication with adhoc network.(Chart work) *Simulation (10)*	K3 Apply	CO6	10

Course In charge   Course Coordinator   Module Coordinator   HOD/ECE