C.U.SHAH UNIVERSITY
Summer Examination-2019

Subject Name : Wireless Communication & Mobile Technology

Subject Code : 4CS04BNT2   **Branch: B.C.A.**

Semester : 4   **Date : 24/04/2019**   **Time : 02:30 To 05:30**   **Marks : 70**

Instructions:
(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Q-1	**Attempt the following questions:**	**(14)**
a)	Give the full name of PSTN.	
b)	WLAN stands for_____.	
c)	Write a full form of SIM.	
d)	Define Multiplexing.	
e)	Which technology used in 1G?	
f)	Define Wireless network.	
g)	Write a Full form of PPP.	
h)	Define Mobile IP	
i)	RTCP stands for_____	
j)	What is orbit?	
k)	Write a uses of wireless sensor network.	
l)	What are the types of satellite?	
m)	What is video Conferencing.	
n)	Define Mobile communication.	

Attempt any four questions from Q-2 to Q-8

Q-2	**Attempt all questions**	**(14)**
a)	Explain GPRS and Architecture of it in detail	**07**
b)	What is switching? Explain its types	**07**
Q-3	**Attempt all questions**	**(14)**
a)	Describe Mobile Ad hoc network.	**07**
b)	Compare 2.5G , 3G and 4G.	**07**
Q-4	**Attempt all questions**	**(14)**
a)	Describe ATM technology in detail.	**07**
b)	Explain Streaming Stored audio video and its approaches.	**07**
Q-5	**Attempt all questions**	**(14)**

	a)	Explain RTP Protocol.	**07**
	b)	What is Satellite communication? Discuss GEO,MEO, LEO briefly.	**07**

Q-6 | **Attempt all questions** | **(14)**
| **a)** | What is Wireless? Explain WLAN, WMAN and WPAN in detail. | **07** |
| **b)** | Explain Microwave, Radio wave and Infrared transmission. | **07** |

Q-7 | **Attempt all questions** | **(14)**
| **a)** | Write a note on Bluetooth .Explain Piconet and Scatternet. | **07** |
| **b)** | Explain IEEE 802.11 and its types. | **07** |

Q-8 | **Attempt all questions** | **(14)**
| **a)** | Explain PSTN network in detail. | **07** |
| **b)** | Explain Voice on Demand Services VOIP and RSVP. | **07** |