C.U.SHAH UNIVERSITY
Summer Examination-2016

Subject Name : Wireless Communication & Mobile Technology

Subject Code : 4CS04IAN2   **Branch: B.Sc.I.T.**

Semester : 4   **Date : 12/05/2016**   **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) GPRS Stands for _____.
        a) Global Packet Radio Service   b) General Package Radio System
        b) General Packet Radio Service   d) None

    b) SRTP Stands for _____.

    c) How many satellites are required in GEO?

    d) Which was the first broadband LEO?

    e) VSAT dish antenna is typically about _____ feet in diameter.

    f) HFC Stands for _____.

    g) Who has developed the concept of satellite communication?

    h) PBX Stands for _____.

    i) Which is the main property of Radio Transmission?

    j) How many device consist a PICO net in Bluetooth?

    k) Which Ray/Waves is responsible for causing burning effect on skin?

    l) How many components are required for Radio Transmission?

    m) Who has given the concept of Electromagnetic spectrum?

    n) Define: Wireless Transmission.

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

Q-2		**Attempt all questions**	**(14)**
	a.	Explain Radio Transmission.	
	b.	Explain Iridium.	

Q-3		**Attempt all questions**	
	a.	Explain Bluetooth Transmission.	**(05)**
	b.	Describe Circuit Switching Technique.	**(05)**
	c.	Explain Hand Over in terms of network.	**(04)**

Q-4		**Attempt all questions**	**(14)**
	a.	Explain types of Satellite.	
	b.	Describe VSAT.	

Q-5		**Attempt all questions**	**(14)**
	a.	Explain GSM Architecture.	
	b.	Write a note on PSTN.	

Q-6		**Attempt all questions**	**(14)**
	a.	Explain Packet Switching.	
	b.	Compare WLAN and WMAN.	

Q-7		**Attempt all questions**	
	a.	Explain Traditional Cable Network.	**(04)**
	b.	Discuss SIP.	**(05)**
	c.	Explain PPP.	**(05)**

Q-8		**Attempt all questions**	**(14)**
	a.	Explain 3G.	
	b.	Describe Frame Relay.	