

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Summer Examination-2018

**Subject Name : Wireless Communication & Mobile Technology**

**Subject Code : 4CS04IAN2**

**Branch: B.Sc.I.T.**

**Semester : 4**

**Date : 03/05/2018**

**Time : 10:30 To 01:30**

**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.
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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) Write full form of DSL.	1
	b) What is Bluetooth?	1
	c) Define Network.	1
	d) Write the full form of VOIP.	1
	e) What is GPS?	1
	f) Write full name of GPRS.	1
	g) Define Spectrum.	2
	h) What do you mean by Multiplexing?	1
	i) List the features of 4G Technology.	2
	j) What is multimedia?	1
	k) How does an Infrared work?	2
	l) Write the full form of ATM.	2

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

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Write note on Radio and Microwave transmissions.	7
<b>B</b>	Describe the structure of PSTN.	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Explain handover and handoff process with examples.	7
<b>B</b>	Describe GPRS architecture in detail.	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Compare GEO, LEO and MEO.	7
<b>B</b>	Explain the concept of Multiplexing and Demultiplexing.	7



<b>Q-5</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Describe HDLC and PPP in detail.	<b>7</b>
<b>B</b>	Compare 2.5G , 3G and 4G.	<b>7</b>
<b>Q-6</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Explain Mobile Adhoc networks.	<b>7</b>
<b>B</b>	Describe RTP, RTCP and RTSP.	<b>7</b>
<b>Q-7</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Explain WLAN, WMAN and WPAN.	<b>7</b>
<b>B</b>	Explain wireless sensor networks.	<b>7</b>
<b>Q-8</b>	<b>Attempt all questions</b>	<b>(14)</b>
<b>A</b>	Explain the concept of wireless LAN.	<b>7</b>
<b>B</b>	Describe ATM technology in detail.	<b>7</b>

