

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Wireless Communication & Mobile Technology

Subject Code : 4CS04BNT2

Branch: BCA

Semester : 4

Date : 29/10/2018

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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Q-1	Attempt the following questions:	(14)
	a) What is the full form of PSTN? a. Public Shared Telephone Network c. Private Shared Test Network	1
	b) What is the full name of ADSL? a. Asymmetric Digital Subscriber Line c. Asymmetric Data Subscriber List	1
	c) Full form of ATM is _____ a. Automated Transfer Mode c. Aligned transfer mode	1
	d) VoIP is an acronym for _____. a. Voice of Internet Protocol c. Visual over Internet Protocol	1
	e) What is the full form of GPRS? a. General Pin Radio System c. General Plain Rate System	1
	f) What is the full form of GPS? a. Global Packet System c. Global Purpose Service	1
	g) Define Bluetooth.	1
	h) What is Infrared?	1
	i) Define Wireless transmission.	1
	j) What is HTTP?	1
	k) What is X.25?	1
	l) What is the main feature of 4G technology?	1
	m) What is the meaning of spectrum?	1
	n) Define Cellular network.	1

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

Q-2	Attempt all questions	(14)
A	Describe GPRS architecture in detail.	7



B	Explain Spread spectrum in CDMA systems	7
Q-3	Attempt all questions	(14)
A	Explain GSM and Cellular Network.	7
B	Compare 2.5G, 3G and 4G.	7
Q-4	Attempt all questions	(14)
A	Explain types of Satellite Communication.	8
B	Discuss Radio transmission.	6
Q-5	Attempt all questions	(14)
A	Describe ATM technology.	7
B	Describe Broadband Wireless and Mobile Ad hoc Network.	7
Q-6	Attempt all questions	(14)
A	Explain Frame Relay and HDLC with an appropriate example.	8
B	Describe Wireless Protocol Layers in brief.	6
Q-7	Attempt all questions	(14)
A	Discuss WLAN, WMAN and WPAN	8
B	Explain the PSTN network in detail.	6
Q-8	Attempt all questions	(14)
A	Explain basic concept of Cable Television system.	5
B	Discuss Calling and Handover in brief.	5
C	Explain Modem.	4

