

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name : Wireless Communication & Mobile Technology

Subject Code : 4CS04IAN2

Branch: B.Sc.I.T.

Semester : 4

Date : 20/04/2017

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 Transmission?	1
	b) Which is the main property of Radio Transmission?	1
	c) What is the full form of HFC?	1
	d) What is the full form of SRTP?	1
	e) How many satellites are required in GEO?	1
	f) Which was the first broadband LEO?	1
	g) What is the full form of PBX?	1
	h) What is Electromagnetic spectrum?	1
	i) What is Bluetooth?	1
	j) What is the full form of GSM?	1
	k) What is the full form of GPRS?	1
	l) What is Radio Transmission?	1
	m) What is Packet Switching?	1
	n) How many devices consist a PICO net in Bluetooth?	1



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

- Q-2** **Attempt all questions** **(14)**
- (A) Explain GSM Architecture in brief. **(7)**
- (B) Write a brief note on VSAT **(7)**
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- Q-3** **Attempt all questions** **(14)**
- (A) Compare WLAN and WMAN. **(7)**
- (B) Write a brief note on Radio Transmission **(7)**
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- Q-4** **Attempt all questions** **(14)**
- (A) Write a brief note on PSTN **(7)**
- (B) Explain Packet Switching. **(7)**
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- Q-5** **Attempt all questions** **(14)**
- (A) Write a brief note on Frame Relay. **(7)**
- (B) What is Mobile Ad hoc Network? Explain in brief. **(7)**
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- Q-6** **Attempt all questions** **(14)**
- (A) Explain VOIP in brief. **(7)**
- (B) Enlist the Mobile generation. Explain 3G in brief. **(7)**
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- Q-7** **Attempt all questions** **(14)**
- (A) Explain Spread spectrum in CDMA systems. **(7)**
- (B) Explain ATM Technology in brief. **(7)**
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- Q-8** **Attempt all questions** **(14)**
- (A) Write a brief note on ISDN. **(7)**
- (B) Write a brief note on Bluetooth. **(7)**

