

MASTER OF BUSINESS ADMINISTRATION

Term-End Examination

December, 2013

**MCTE-020 : GLOBAL SYSTEM FOR MOBILE
COMMUNICATION**

Time : 3 hours

Maximum Marks : 100

Note : Answer any five questions. All questions carry equal marks.

1. What is a GSM network ? Describe the Architecture of GSM network. 20
2. Explain Circuit and Packet Switched Data. 20
3. Explain various types of messaging point to point, point to multi-point, executable and flash messages. 20
4. What is the process of 'Frequency Reuse' ? Explain with the diagram. 20
5. Describe various types of logical channels used in GSM systems. Explain with diagrams. 20
6. Explain 'Home Location Register' (HLR) and 'Visitor Location Resister'(VLR). 20
7. Explain International Mobile Subscriber Identity (IMSI) and International Mobile Equipment Identity (IMEI). 20

8. Write short notes on *any three* :

20

- (a) SMS
 - (b) Echo Cancellation Process
 - (c) Difference between GSM and GPRS
 - (d) DTMF Signalling
 - (e) PCMCIA Air Cards
-