

MASTER OF BUSINESS ADMINISTRATION

Term-End Examination

December, 2011

00408

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

Time : 3 hours

Maximum Marks : 100

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

1. Explain International Mobile Subscriber Identity (IMSI) with examples to IMSI numeric presentation. 20
2. What is a GSM network. Describe the Architecture to the GSM network. 20
3. Describe Cellular Radio System. Elaborate Cellular Network planning and optimization. 20
4. Explain the following : 20
 - (a) GSM Frequency Bands
 - (b) Voice code c

5. What is Mobile Subscriber Identity Module (SIM) ? 20
Explain Authentication key process.
6. What is the Open BTS ? Explain the software 20
Architecture of the Open BTS.
7. Describe Visitor Location Register (VLR). Explain 20
the primary functions of VLR.
8. Explain the following : 20
- (a) Supplementary services of GSM.
 - (b) Mobile Subscriber Integrated Service Digital Network Number (MSISDN).
 - (c) International Mobile Equipment Identity (IMEI).
 - (d) Difference between GSM and GPRS.
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