

2006 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

IV B.TECH II SEMESTER SUPPLEMENTARY EXAMINATIONS
TELEMATICS
(INFORMATION TECHNOLOGY)

APR/MAY 2006

TIME - 3 HOUR
MARK - 80

Answer any FIVE Questions
All Questions carry equal marks

1. Explain how the gauge of the wire effects the distance in connecting the systems and what is the minimum and maximum allowable current in the circuit? [16]
2. What are the stronger switching components and Design parameters? [16]
3. What is the need of E-mail privacy? How does PGP (Pretty Good Privacy) enhance the privacy? [16]
4. What are the standards of Mbone- Multicast Backbone? [16]
5. What is an ISDN? Give examples of the following user services related to ISDN
(a) Bearer-Services [8+8]
(b) Tele-Services.
6. Explain about the following
(a) ISDN - ISDN Inter working.
(b) ISDN - PSTN Inter working.
(c) ISDN - CSPDN Inter working.
(d) ISDN - PSPDN Inter working. [3+3+4+6]
7. Write in detail about Link Coding Techniques in ISDN? [16]
8. (a) Explain about Bearer Capability Information Element in ISDN Q.931 message format?
(b) Explain Call Control Protocol Architecture in ISDN? [8+8]