

2005 JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

**IV B.TECH. II SEMESTER SUPPLEMENTARY EXAMINATIONS
INTERNET INTRANET & MULTIMEDIA
(ELECTRONICS & TELEMATICS)**

JULY -2005

**TIME: 3 HOURS
MAX MARKS:80**

*Answer any FIVE Questions
All Questions carry equal marks*

1. With the help of an illustrative diagram explain how a combination of virtual and physical address schemes can result in interconnecting heterogeneous computers for a Global internet. Specify the protocols used at each stage.
2. (a) With the help of an example, explain what is an IP datagram?
(b) In the following routing table, what will be the next hop for a datagram destined for 192.4.10.3.
DESTINATION MASK NEXT HOP
30.0.0.0 255.0.0.0 40.0.0.7
192.4.10.0 255.0.0.0 DELIVER DIRECT
192.4.10.0 255.255.0.0 DELIVER DIRECT
192.4.10.0 255.255.255.0 128.1.0.9
3. (a) What is an ActiveX control? Explain how it is used on an intranet?
(b) Explain how Java code is platform independent.
4. (a) What is a search engine? What is its use in an Intranet?
(b) Explain the technique that a search engine uses to fulfill its assigned role.
5. (a) What is sniffer? What is a smart disk? What is a worm?
(b) Explain how certificate issuer and server issue key and manage certificates.
6. (a) What are the basic components involved in multimedia? What is an authoring tool?
(b) Write about various people involved in successful development of multimedia project and explain about their roles.
7. (a) What are bitmap images? How are they made? What are vector drawn images?
(b) Differentiate between bitmap and vector drawn images.
8. Write about the musical Instrument synthesizers in creating Digital music? Explain in detail about MIDI protocol.