

Roll No.

Subject Code—6814

M.C.A. (Fourth Year) EXAMINATION

(5 Years Integrated Course)

MCA-405

COMPUTER N/W-II

Time : 3 Hours

Maximum Marks : 100

Note : Attempt any *Five* questions. All questions carry equal marks.

1. What is multimedia and role of network in multimedia applications ? Also discuss storage of audio and video. 20
2. Explain any *one* method for internet security and firewall design. 20
3. Explain the design methods for stand alone multimedia applications and single user networked applications. 20

4. Differentiate between frame format of IPv4 and IPv6. How will IPv6 be implemented in internet addressing system ? 20
5. Explain the following : 20
- (i) Switch
 - (ii) Router
 - (iii) Gateway
 - (iv) Bridge
 - (v) Hub
 - (vi) Access Point.
6. Explain any *three* routing protocols used in internet. 20
7. Explain the process of mapping internet address to physical addresses. Also discuss UDP. 20
8. Write short notes on the following :
- (a) Mobile IP
 - (b) IPSec. 20