



MSIT 3E 21 (OS)

**III Semester M.Sc. (I.T.) Examination, June/July 2010
INTERNET PROGRAMMING**

Time : 3 Hours

Max. Marks : 75

PART – A

Answer **all** questions :

(12×2+1×1=25)

1. Define dynamic Bandwidth.
2. What are the uses of ARP memory format ?
3. Define Datagram.
4. What is heterogeneous networks ?
5. Briefly explain fragmentation.
6. How to avoid fragmentation ?
7. Write ipv6 datagram format.
8. Define error detection.
9. Mention types of message.
10. What is internet router ?
11. Write any two features of UDP.
12. Write any two features of ipv6 ?
13. What is a “Server-class” computer ?

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PART – B

Answer **any five** questions :

(5×10=50)

1. What is ICMP ? Explain its functionalities.
 2. Explain internet architecture with diagram.
 3. Explain TCP/IP model with TCP/IP protocol stack.
 4. Explain IP datagram and datagram forwarding technique.
 5. Explain TCP state machine with diagram.
 6. Explain transport protocol and client server paradigm.
 7. Explain types of internet socket.
 8. Write a note on :
 - i) send () and receiver()
 - ii) sendto () and receivefrom ().
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