

Subject Code: H4001/R13

M. Tech –II Semester Regular/ Supply Examinations, October, 2015

ADVANCED UNIX PROGRAMMING

(Common to IT, CS&T and CS&E)

Time: 3 Hours

Max Marks: 60

Answer any FIVE questions

All questions carry EQUAL marks

1. a) Explain about OSI model.
b) Differentiate between TCP and UDP.
2. Write a TCP client server program for echo message.
3. Explain about the following systems calls with syntax's
a) connect b) fork c) socket d) accept
4. a) What are the uses of getsockopt and setsockopt system calls? Discuss.
b) Discuss about IPV6 socket option.
5. a) What is flow control? Explain about the lack of flow control in UDP.
b) Write shot notes on lost datagram.
6. a) Explain the uname and gethost by name functions
b) What is byte ordering and manipulation functions? Discuss.
7. write a client server program for echo message using FIFO's
8. Explain about the following terms
 - a) Message Queues
 - b) RPC
 - c) DNS

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