

**Bachelor in Computer Applications**

**Term-End Practical Examination**

03904

**December, 2011**

**BCS-061 (P) : TCP/IP PROGRAMMING**

*Time allowed : 2 hours*

*Maximum Marks : 30*

*(Weightage : 15%)*

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**Note :** *There are two compulsory questions, 10 marks are for viva-voce.*

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1. Write down UNIX commands for the following operations : 5
    - (a) List all files having characters sequence 'abc' somewhere in the file name.
    - (b) Display the list of users those are logged in.
  
  2. Write and run a client and a server program using C language in UNIX with the following specifications. 15
    - A TCP client program will send a "Hello" message to the server.
    - TCP server will also send back the "Hello" message along with list of other client programs (IP addresses) to the client program.
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