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BE (7th Semester)

Examination, Nov.-Dec., 2016

(New Scheme)

Network Programming

Time Allowed : 3 hours

Maximum Marks : 80

Minimum Pass Marks : 28

- Note :** (i) Attempt **all** questions. Part (a) of each question is compulsory. Attempt any **two** parts from (b), (c) and (d).
(ii) The figures in the right-hand margin indicate marks.

1. (a) What are communication protocols? [2]
(b) Draw and explain each layer of system network architecture. [7]
(c) Explain IPv4 and IPv6 address structure. [7]
(d) Explain UUCP, IPX, SPX for LAN's. [7]
2. (a) Differentiate between TCP socket and UDP socket. [2]

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- (b) What are different POSTX data type in creating socket? [7]
- (c) Explain elementary socket system calls? [7]
- (d) What are different I/O Models? Explain in detail. [7]
3. (a) What do you mean by Windows socket API? [2]
(b) What are operation modes in Window sockets? Explain each in detail. [7]
(c) What are the advantages of using DLL's in Window socket API? [7]
(d) Explain the concept of Blocking sockets and blocking functions. [7]
4. (a) Write difference between Java and Java script. [2]
(b) Define CORBA. Also explain its architecture. [7]
(c) Give a brief account on WAP architecture and WAP services. [7]
(d) Explain Firewall and security techniques. [7]
5. (a) Explain how to create socket. [2]
(b) Explain the concept of parsing data using string tokenizer. [7]
(c) How to retrieve web documents by using the URL class? [7]
(d) How to create the http server? Give the steps to create http server. [7]

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