

Code.No: RR411204

RR

SET-1

**IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010**  
**NETWORK PROTOCOLS**  
**(INFORMATION TECHNOLOGY)**

**Time: 3hours****Max.Marks:80**

**Answer any FIVE questions**  
**All questions carry equal marks**

- - -

1. a) Explain the need for multiplexing & de-multiplexing in protocol layering.  
b) Explain the user's view of a TCP/IP. Explain with a suitable example. [8+8]
2. a) Explain how the resolution is carried through direct mapping.  
b) What does a router do with the time to live value in an IP header? [8+8]
3. a) Why dynamic address assignment is considered to be most significant aspect of DHCP.  
b) Discuss the Karn's algorithm with timer back off. [8+8]
4. a) Discuss OSPF link status request message and update message format.  
b) Compare interior gateway & exterior gateway protocol. [8+8]
5. a) Differentiate private and hybrid network and explain how VPN is superior to both.  
b) Discuss NAT and ICMP. [8+8]
6. a) Discuss the remote procedure call.  
b) List the components of domain server message format. [8+8]
7. a) How does a browser distinguish between a document that contains arbitrary text.  
b) Discuss about HTTP GET request and error messages. [8+8]
8. What are the protocol dependencies? How hourglass model is used to describe internet protocols and explain why packet filtering is needed. [16]

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SET-2

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**NETWORK PROTOCOLS**  
**(INFORMATION TECHNOLOGY)**

**Time: 3hours****Max.Marks:80**

**Answer any FIVE questions**  
**All questions carry equal marks**

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1. a) Why dynamic address assignment is considered to be most significant aspect of DHCP.  
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7. a) Explain the need for multiplexing & de-multiplexing in protocol layering.  
b) Explain the user's view of a TCP/IP. Explain with a suitable example. [8+8]
8. a) Explain how the resolution is carried through direct mapping.  
b) What does a router do with the time to live value in an IP header? [8+8]

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SET-3

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**NETWORK PROTOCOLS**  
**(INFORMATION TECHNOLOGY)**

**Time: 3hours****Max.Marks:80**

**Answer any FIVE questions**  
**All questions carry equal marks**

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1. a) Differentiate private and hybrid network and explain how VPN is superior to both.  
b) Discuss NAT and ICMP. [8+8]
2. a) Discuss the remote procedure call.  
b) List the components of domain server message format. [8+8]
3. a) How does a browser distinguish between a document that contains arbitrary text.  
b) Discuss about HTTP GET request and error messages. [8+8]
4. What are the protocol dependencies? How hourglass model is used to describe internet protocols and explain why packet filtering is needed. [16]
5. a) Explain the need for multiplexing & de-multiplexing in protocol layering.  
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b) Discuss the Karn's algorithm with timer back off. [8+8]
8. a) Discuss OSPF link status request message and update message format.  
b) Compare interior gateway & exterior gateway protocol. [8+8]

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SET-4

**IV B.TECH – I SEM EXAMINATIONS, NOVEMBER - 2010**  
**NETWORK PROTOCOLS**  
**(INFORMATION TECHNOLOGY)**

**Time: 3hours****Max.Marks:80**

**Answer any FIVE questions**  
**All questions carry equal marks**

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1. a) How does a browser distinguish between a document that contains arbitrary text.  
b) Discuss about HTTP GET request and error messages. [8+8]
2. What are the protocol dependencies? How hourglass model is used to describe internet protocols and explain why packet filtering is needed. [16]
3. a) Explain the need for multiplexing & de-multiplexing in protocol layering.  
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4. a) Explain how the resolution is carried through direct mapping.  
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b) Discuss NAT and ICMP. [8+8]
8. a) Discuss the remote procedure call.  
b) List the components of domain server message format. [8+8]

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