**UNIT V**

**SESSION I**

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| --- | --- |
| **Activity**  | **Board Activity** |
| **Topic**  | Email |
|  | Definition, concept |
|  | http://en.wikipedia.org/wiki/Email |
| **Activity**  | Presentation |
| **Topic**  | SMTP, MIME, IMAP, POP3 |
|  | Definition, addressing mechanism |
| **Weblink** | http://www.informit.com/articles/article.aspx?p=25759 |
| **Activity**  | Questions and Answers |
| **Topic**  | Conclusion |

**SESSION II**

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| --- | --- |
| **Activity**  | Analogy |
| **Topic**  | Recap: Email |
|  | Definition and concepts |
| **Activity**  | Writing Board  |
| **Topic**  | HTTP |
|  | Definition, CSMA with collision detection and avoidance |
| **WebLink**  |  http://en.wikipedia.org/wiki/Carrier\_sense\_multiple\_access |
| **Activity**  | Presentation |
| **Topic**  | **Web Crawler (content beyond the syllabus)** |
|  | **Web crawling policy** |
| **WebLink** | **http://en.wikipedia.org/wiki/Web\_crawler** |

**SESSION III**

|  |  |
| --- | --- |
| **Activity**  | Question and Answers |
| **Topic**  | Recap: HTTP |
|  | Definition and concepts |
| **Activity**  | Presentation |
| **Topic**  | DNS |
|  | Definition |
| **WebLink**  |  http://www.howstuffworks.com/dns.htm |
| **Activity**  | Recall the keywords |
| **Topic**  | Conclusion |
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1. DNS server
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**SESSION IV**

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| --- | --- |
| **Activity**  | Board activity |
| **Topic**  | Recap: DNS  |
| **Activity**  | Presentation |
| **Topic**  | SNMP |
|  | Network management |
| **WebLink**  |  http://compnetworking.about.com/od/networkprotocols/g/snmp-management-protocol.htm |
| **Activity**  | Crossword puzzle |
| **Topic**  | Conclusion |
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**SESSION V**

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| --- | --- |
| **Activity**  | Board activity |
| **Topic**  | **Recap:** SNMP |
|  | Definition,  |
| **Activity**  | Analogy  |
| **Topic**  | Telnet |
|  |  |
| **WebLink**  | http://en.wikipedia.org/wiki/Telnet |
| **Activity**  | Quiz |
| **Topic**  | Conclusion |

**SESSION VI**

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| **Activity**  | Board activity |
| **Topic**  | Recap: Telnet |
|  |  |
| **Activity**  | Board activity |
| **Topic**  | FTP |
|  |   |
| **WebLink**  |  <http://searchenterprisewan.techtarget.com/definition/File-Transfer-Protocol><http://en.wikipedia.org/wiki/File_Transfer_Protocol> |
| **Activity**  | Presentation |
| **Topic**  | **Web Catches (content beyond the syllabus)** |

**SESSION VII**

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| --- | --- |
| **Activity**  | Board activity |
| **Topic**  | Recap: FTP |
|  | Definition, Example |
| **Activity**  | Board activity |
| **Topic**  | Security |
|  | Concepts, Example  |
| **WebLink**  |  http://en.wikipedia.org/wiki/Network\_security |
| **Activity**  | Recall by keywords |
| **Topic**  | Conclusion |
|  | 1. File transfer protocol
2. Authentication
3. PIN (personal identification number)
4. Authorization
5. Data encryption
6. Decryption
7. Public / private key encryption
8. Physical security
9. Security card
10. Smart card
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**SESSION VIII**

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| --- | --- |
| **Activity**  | Presentation |
| **Topic**  | PGP  |
|  | Definition, How PGP encryption workss |
| **WebLink** | <http://en.wikipedia.org/wiki/Pretty_Good_Privacy><http://searchsecurity.techtarget.com/definition/Pretty-Good-Privacy>  |
| **Activity**  | Show and tell |
| **Topic**  | Conclusion |
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**SESSION IX**

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| --- | --- |
| **Activity**  | Brainstorming  |
| **Topic**  | Recap: PGP |
|  | Concepts |
| **Activity**  | Presentation |
| **Topic**  | SSH |
|  | Definition, Key management, usage |
| **WebLink**  |  <http://en.wikipedia.org/wiki/Secure_Shell>  |
| **Activity**  | Word search puzzle |
| **Topic**  | Conclusion |
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