**UNIT V**

**SESSION I**

|  |  |
| --- | --- |
| **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**

|  |  |
| --- | --- |
| **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 |
|  | |  |  | | --- | --- | |  |  | |  |  | |  |  | |  |  | |  |  |  1. DNS server |

**SESSION IV**

|  |  |
| --- | --- |
| **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 |
|  |  |
|  |  |

**SESSION V**

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

**SESSION VI**

|  |  |
| --- | --- |
| **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**

|  |  |
| --- | --- |
| **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 |

**SESSION VIII**

|  |  |
| --- | --- |
| **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 |
|  |  |

**SESSION IX**

|  |  |
| --- | --- |
| **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 |
|  |  |
|  |  |