|  |  |
| --- | --- |
| Image result for griffith college | |
| **Course** | BSCO / BSCH |
| **Module** | Networks and Data Communications |
| **Practical** | 2 |
| **Issue Date** | 02/10/2019 |
| **Due Date** | 02/10/2019@ 23:59 hours |
| **Submission Instructions** | * All content must be your own work and in your own words * Do not copy and paste images, draw them yourself where possible * *Plagiarism will not be tolerated* * Submit your work via the upload link on Moodle |

|  |
| --- |
| **Task 01**  **Build the following network in Packet Tracer** |

|  |
| --- |
| **Task 02** |
| **Program PC0 with the following info:**   * **IP Address: 192.168.0.1** * **Subnet Mask : 255.255.255.0** * **Default Gateway: 192.168.0.254** |

|  |
| --- |
| **Task 03** |
| **Program the interface of the Router closest to the switch with the following information:**   * **IP Address: 192.168.0.254** * **Subnet Mask: 255.255.255.0**   **Program the interface of the Router closest to the serve with the following information:**   * **IP Address: 192.168.2.254** * **Subnet Mask: 255.255.255.0** |

|  |
| --- |
| **Task 04** |
| **Program the Server with the following information:**   * **IP Address: 192.168.2.1** * **Subnet Mask: 255.255.255.0** * **Default Gateway : 192.168.2.254** |

|  |
| --- |
| **Task 05** |
| * **Verify connectivity between PC0 and PC1** * **Verify connectivity between PC0 and the default gateway** * **Verify connectivity between PC0 and the server** |

|  |
| --- |
| **Task 06** |
| * **Verify that you can browse to the website hosted on the server machine** |

|  |
| --- |
| **Task 07** |
| * **Enable the DNS service on the Server and add an entry**   **i.e. The server IP address should resolve to ndclab02.com**   * **Manually add the DNS Server Information to PC0 and PC1** |

|  |
| --- |
| **Task 08**  **Verify files can be transferred from the Server machine onto PC1 using FTP** |

|  |
| --- |
| **Task 09** |
| **Save the Router Configuration.** |

|  |
| --- |
| **Task 10** |
| **Save the Packet Tracer file to your hard drive.**  **Upload this word document and the packet tracer file to Moodle.** |