|  |  |  |
| --- | --- | --- |
|  | | |
|  | | |
| Answer Sheet | | |
| Hands On - H02 | | |
| IP Addressing Methods | | |
| Name | : | Alvaro Austin |
| Student ID | : | 2106752180 |

# [50 Point] Allocation IP Address

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Subnet** | **Network Address** | **Broadcast Address** | **Subnet Mask** | **Maximum Number of Device** | **First Available IP Address** | **Last Available IP Address** | **Default Gateway** |
| BA | 10.180.12.0 | 10.180.12.255 | 255.255.255.0 (/24) | 253 | 10.180.12.2 | 10.180.12.254 | 10.180.12.1 |
| CCA | 10.180.13.0 | 10.180.13.127 | 255.255.255.128 (/25) | 125 | 10.180.13.2 | 10.180.13.126 | 10.180.13.1 |
| FBA | 10.180.13.128 | 10.180.13.191 | 255.255.255.192  (/26) | 61 | 10.180.13.130 | 10.180.13.190 | 10.180.13.129 |
| CA | 10.180.13.192 | 10.180.13.255 | 255.255.255.192  (/26) | 61 | 10.181.13.194 | 10.180.13.254 | 10.181.13.193 |
| SA | 10.180.14.0 | 10.180.14.15 | 255.255.255.240  (/28) | 13 | 10.180.14.2 | 10.180.14.14 | 10.180.14.1 |

# [50 Point] Implementation IP Addressing Methods and DHCP on Packet Tracer

|  |
| --- |
| **Screenshot Network Topology** |
|  |

|  |
| --- |
| **Screenshot CLI Router Configuration** |
| **BA**    **CCA**    **FBA**    **CA**    **SA** |

|  |
| --- |
| **Screenshot End Devices IP Configuration from Staff Area Sub-Network** |
| **Server-Wired-1-SA** |
|  |

|  |
| --- |
| **Screenshot End Devices IP Configuration from Food & Beverage Area Sub-Network** |
| **Laptop-Wired-FBA** |
|  |

|  |
| --- |
| **Screenshot End Devices IP Configuration from Competition Area Sub-Network** |
| **Tablet-Contestant-CA** |
|  |

|  |
| --- |
| **Screenshot End Devices IP Configuration from Bazaar Area Sub-Network** |
| **CCTV-BA** |
|  |

|  |
| --- |
| **Screenshot End Devices IP Configuration from Cosplayer Contest Area Sub-Network** |
| **Smartphone-Cosplayer-CCA** |
| **Dibawah!!**    **3** |