**Networks :**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Host requirements | Network Address | Subnet mask | First Host | Last Host | Broadcast Address |
| BBA | 14 | 192.168.1.0/28 | 255.255.255.240 | 192.168.1.1 | 192.168.1.14 | 192.168.1.15 |
| CSE | 14 | 192.168.1.16/28 | 255.255.255.240 | 192.168.1.17 | 192.168.1.30 | 192.168.1.31 |
| Web\_edu | 4 | 192.168.3.0/29 | 255.255.255.248 | 192.168.3.1 | 192.168.3.6 | 192.168.3.7 |
| Web | 4 | 192.168.3.8/29 | 255.255.255.248 | 192.168.3.9 | 192.168.3.14 | 192.168.3.15 |
| DNS | 14 | 192.168.1.32/28 | 255.255.255.240 | 192.168.1.33 | 192.168.1.46 | 192.168.1.47 |

**Routing :**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Host requirements | Network Address | Subnet mask | First Host | Last Host | Broadcast Address |
| R0-R1 | 2 | 192.168.2.0/30 | 255.255.255.252 | 192.168.2.1 | 192.168.2.2 | 192.168.2.3 |
| R0-R2 | 2 | 192.168.2.4 | 255.255.255.252 | 192.168.2.5 | 192.168.2.6 | 192.168.2.7 |
| R1-R3 | 2 | 192.168.2.8 | 255.255.255.252 | 192.168.2.9 | 192.168.2.10 | 192.168.2.11 |
| R2-R4 | 2 | 192.168.2.12 | 255.255.255.252 | 192.168.2.13 | 192.168.2.14 | 192.168.2.15 |
| R1-R6 | 2 | 192.168.2.16 | 255.255.255.252 | 192.168.2.17 | 192.168.2.18 | 192.168.2.19 |
| R2-R5 | 2 | 192.168.2.20 | 255.255.255.252 | 192.168.2.21 | 192.168.2.22 | 192.168.2.23 |
| R3-R4 | 2 | 192.168.2.24 | 255.255.255.252 | 192.168.2.25 | 192.168.2.26 | 192.168.2.27 |
| R3-R5 | 2 | 192.168.2.28 | 255.255.255.252 | 192.168.2.29 | 192.168.2.30 | 192.168.2.31 |
| R4-R6 | 2 | 192.168.2.32 | 255.255.255.252 | 192.168.2.33 | 192.168.2.34 | 192.168.2.35 |
| R5-R7 | 2 | 192.168.2.36 | 255.255.255.252 | 192.168.2.37 | 192.168.2.38 | 192.168.2.39 |
| R6-R8 | 2 | 192.168.2.40 | 255.255.255.252 | 192.168.2.41 | 192.168.2.42 | 192.168.2.43 |
| R6-R7 | 2 | 192.168.2.44 | 255.255.255.252 | 192.168.2.45 | 192.168.2.46 | 192.168.2.47 |
| R7-R9 | 2 | 192.168.2.48 | 255.255.255.252 | 192.168.2.49 | 192.168.2.50 | 192.168.2.51 |
| R8-R9 | 2 | 192.168.2.52 | 255.255.255.252 | 192.168.2.53 | 192.168.2.54 | 192.168.2.55 |
| R3-R8 | 2 | 192.168.2.56 | 255.255.255.252 | 192.168.2.57 | 192.168.2.58 | 192.168.2.59 |