**Task No. 1:** What is the Internet address of the gaia.cs.umass.edu (also known as www- net.cs.umass.edu)? What is the Internet address of your computer?

**Solution:**

The Internet address of gaia.cs.umass.edu (also known as www- net.cs.umass.edu) is 128.119.245.12

Internet address: IPv4 Address. . . . . . . . . . . : 192.168.10.12 (Preferred)

**Task No. 2:** Fill the below tables.

**Solution:**

|  |  |
| --- | --- |
| Parameter Name | Value |
| Your PC IP Address | 192.168.10.12 |
| Your PC MAC Address | A0-48-1C-96-73-0E |
| Default Gateway | 192.168.10.1 |
| Website Access | www.youtube.com |
| Website IP Address | 142.250.181.174 |

**Table 1 PC Details**

|  |  |  |
| --- | --- | --- |
| Parameter Name | Field Value | Field Length |
| Source MAC address | a0:48:1c:96:73:0e | 48 |
| Destination MAC address | f0:b4:d2:75:a3:c3 | 48 |
| Destination TCP Port | 53 | 16 |
| Source TCP Port | 59122 | 16 |
| Website DNS address | www.youtube.com: type A, class IN | 168 |

**Table 2 Capture Details**

**Task No. 3:** Access your university website and list IP address of your computer, DNS address and default gateway.

**Solution:**

|  |  |
| --- | --- |
| Parameter Name | Value |
| Your PC IP Address | 192.168.10.12 |
| Your PC MAC Address | A0-48-1C-96-73-0E |
| Default Gateway | 192.168.10.1 |
| Website Access | www.bahria.edu.pk: type A, class IN |
| Website IP Address | 111.68.99.3 |

**Table 1 PC Details**

|  |  |  |
| --- | --- | --- |
| Parameter Name | Field Value | Field Length |
| Source MAC address | f0:b4:d2:75:a3:c3 | 48 |
| Destination MAC address | a0:48:1c:96:73:0e | 48 |
| Destination TCP Port | 56943 | 16 |
| Source TCP Port | 53 | 16 |
| Website DNS address | www.youtube.com: type A, class IN | 184 |

**Table 2 Capture Details**