Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

\_\_\_10\_\_

LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| **01** | 1. Name the fields in IP header. 2. What is the IP address of your computer? 3. Within the IP packet header, what is the value in the upper layer protocol field? 4. How many bytes are in the IP header? How many bytes are in the payload of the IP Computergram? 5. Explain how you determined the number of payload bytes. 6. Has this IP Computergram been fragmented? Explain how you determined whether the Computergram has been fragmented. 7. What is the value in the Identification field and the TTL field? 8. What information in the IP header indicates that the Computergram been fragmented? What information in the IP header indicates whether this is the first fragment versus a latter fragment? |
|  |  |
|  |  |
|  |  |

Submitted On

20-12-2023

(Date: DD/MM/YY)

**Question 01:**

1. **Name the fields in IP header.**

* Next Header
* Hop limit
* Source
* Destination

1. **What is the IP address of your computer?**

10.10.3.204

1. **Within the IP packet header, what is the value in the upper layer protocol field?**

ICMP (1)

1. **How many bytes are in the IP header? How many bytes are in the payload of the IP Computergram?**

IP Header is 20 Bytes.

Payload is 40 Bytes.

1. **Explain how you determined the number of payload bytes.**

We take payload but it has both payload as well as header bytes so we minus header bytes from payload bytes and took 40 Bytes after subtracting.

1. **Has this IP Computergram been fragmented? Explain how you determined whether the Computergram has been fragmented.**

If write “donot fragment” then we can write 1 because 1 means donot fragement(not set) and if 0 is fragment is happen.

1. **What is the value in the Identification field and the TTL field?**

TTL Field is 1 and Identification is 0x85a5 (34213).

1. **What information in the IP header indicates that the Computergram been fragmented? What information in the IP header indicates whether this is the first fragment versus a latter fragment?**

The First Fragment is 0 and the latter fragment is 1 and second fragment is 2.