**Report for LAB 9-1: ARP**

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| **Name: Tanveen Kaur** | **Student ID: 1014603** | **Date: 03/05/2017** |

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| **Part I** | | |
| 1 | a. Hardware type: Ethernet (1) | b. Protocol type: IPv4 (0x0800) |
| c. Hardware length: 6 | d. Protocols length: 4 |
| e. Operation code: request (1) Meaning: It is an ARP request message. | |
| f. Source hardware address. Apple\_68:22:59 (70:e7:2c:68:22:59) | g. Source IP address? 10.12.24.37 |
| h. Destination hardware address: 00:00:00:00:00:00 (00:00:00:00:00:00) | i. Destination IP address:10.12.24.37 |
| 2 | Are answers to question 1 verified by the information in the detail pane lane? YES | |
| 3 | Type of destination hardware address: Multicast.  Which interface does the destination hardware address define? Network Layer. | |
| 4 | Number of bytes of 0s: 2  Explain: When you click on each 00, it will highlight showing the corresponding information that is assigned to 00. | |

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| **Part II** | | |
| 1 | a. Hardware type: Ethernet (1) | b. Protocol type: IPv4 (0x0800) |
| c. Hardware length: 6 | d. Protocols length: 4 |
| e. Operation code: reply(2) Meaning: It is an ARP reply message. | |
| f. Source hardware address. Apple\_68:22:59 (70:e7:2c:68:22:59) | g. Source IP address? 10.12.24.37 |
| h. Destination hardware address: Apple\_68:22:59 (70:e7:2c:68:22:59) | i. Destination IP address: 10.12.24.37 |
| 2 | Are answers to question 1 verified by the information in the detail pane lane? YES | |
| 3 | Type of destination hardware address: Multicast  Which interface does the destination hardware address define ? Network Layer. | |