

| Sl. No. | Current (A) | Voltage (V) | Power (W) | Remarks |
|---------|-------------|-------------|-----------|---------|
| 1       | 0.5         | 1.5         | 0.75      |         |
| 2       | 1.0         | 3.0         | 3.0       |         |
| 3       | 1.5         | 4.5         | 6.75      |         |
| 4       | 2.0         | 6.0         | 12.0      |         |
| 5       | 2.5         | 7.5         | 18.75     |         |
| 6       | 3.0         | 9.0         | 27.0      |         |
| 7       | 3.5         | 10.5        | 36.75     |         |
| 8       | 4.0         | 12.0        | 48.0      |         |
| 9       | 4.5         | 13.5        | 60.75     |         |
| 10      | 5.0         | 15.0        | 75.0      |         |
| 11      | 5.5         | 16.5        | 90.75     |         |
| 12      | 6.0         | 18.0        | 108.0     |         |
| 13      | 6.5         | 19.5        | 126.75    |         |
| 14      | 7.0         | 21.0        | 147.0     |         |
| 15      | 7.5         | 22.5        | 168.75    |         |
| 16      | 8.0         | 24.0        | 192.0     |         |
| 17      | 8.5         | 25.5        | 216.75    |         |
| 18      | 9.0         | 27.0        | 243.0     |         |
| 19      | 9.5         | 28.5        | 270.75    |         |
| 20      | 10.0        | 30.0        | 300.0     |         |

CONCLUSION: The power consumed by the load increases with the increase in voltage and current. The power is directly proportional to the square of the voltage and current.



Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_