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|  |  | **Experiment-1** |
| 1 | a) | Write a C Program that simulates Shortest Job first CPU scheduling Algorithm. |
|  |  | **(OR)** |
|  | b) | Write a C program to stimulate Producer-Consumer Problem. |
| 2 | a) | Implement routing information protocol (RIP) using CISCO packet tracer tool. |
|  |  | **(OR)** |
|  | b) | Implement Static routing Protocol Using Cisco Packet tracer tool. |
|  |  | C:\Users\HP Probook\Desktop\CN lab\RIP.png |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-2** |
| 1 | a) | Write a C Program that simulates Optimal page replacement scheduling Algorithm. |
|  |  | **(OR)** |
|  | b) | Write a Program to stimulate the FCFS Disk scheduling Algorithms. |
| 2 | a) | Implement routing information protocol (RIP) using CISCO packet tracer tool. |
|  |  | **(OR)** |
|  | b) | Implement Static routing Protocol Using Cisco Packet tracer tool. |
|  |  | Static Routing Lab using 3 routers in few simple steps | Learn Linux CCNA  CEH IPv6 Cyber-Security Online |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-3** |
| 1 | a) | Write a C Program to implement Dead Lock Avoidance Banker’s Algorithm. |
|  |  | **(OR)** |
|  | b) | Write a C program to stimulate Producer-Consumer Problem. |
| 2 | a) | Implement OSPF using CISCO packet tracer tool. |
|  |  | **(OR)** |
|  | b) | Implement Static routing Protocol Using Cisco Packet tracer tool. |
|  |  | Configure ospf for a topology of three routers with five networks in area 0 |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-4** |
| 1 | a) | Write a C Program that simulates Optimal page replacement scheduling Algorithm. |
|  |  | **(OR)** |
|  | b) | Write a C Program to stimulate MVT and MFT. |
| 2 | a) | Implement routing information protocol (RIP) using CISCO packet tracer tool. |
|  |  | **(OR)** |
|  | b) | Implement OSPF protocol Using Cisco Packet tracer tool. |
|  |  | Configure ospf for a topology of three routers with five networks in area 0 |