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|  |  | **Experiment-1** |
| 1 | a) | Write a C Program that simulates FIFO CPU scheduling Algorithm. |
|  | b) | Implement routing information protocol (RIP) 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** | | |
| 2 | a) | Write a C program to stimulate Producer-Consumer Problem. |
|  | b) | Implement Static routing Protocol Using Cisco Packet tracer tool.  Path selection in Static Routing |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-3** |
| 3 | a) | Write a C Program that simulates LRU page replacement scheduling Algorithm. |
|  | 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-4** |
| 4 | a) | Implement routing information protocol (RIP) using CISCO packet tracer tool.  Configuring RIP Versions 1 and 2 in Cisco |
|  | b) | Write a Program to stimulate the SSTF Disk scheduling Algorithms. |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-5** |
| 5 | a) | Write a C Program to implement Dead Lock Avoidance Banker’s Algorithm. |
|  | b) | Implement OSPF 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-6** |
| 6 | a) | Write a C program to stimulate Priority CPU Scheduling Algorithm. |
|  | b) | Implement Static routing Protocol Using Cisco Packet tracer tool.  how to configure static route on a network topology with three routers |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-7** |
| 7 | a) | Write a C Program that simulates Optimal page replacement scheduling Algorithm. |
|  | b) | Implement OSPF protocol Using Cisco Packet tracer tool.  https://1.bp.blogspot.com/-DLIveO1jcSM/XjqHLu7MR7I/AAAAAAAAAGc/kn6mjZyEQqgpsl3tdg3woUFVza2Pt3QIwCLcBGAsYHQ/s1600/OSPF%2Bsingle%2Barea.PNG |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |

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|  |  | **Experiment-8** |
| 8 | a) | Write a C Program to stimulate MVT and MFT. |
|  | b) | Implement routing information protocol (RIP) using CISCO packet tracer tool.  C:\Users\narasimhulu\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\64F6642D.tmp |
|  |  | **Note: Use the above Topology and Addresses for Implementation** |