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| T1: Sec 4.2.1 – 4.2.4, Pages 358-370 | **Network layer/Routing:** (i) Internal organization of router |
| T1: Sec 4.2.1 – 4.2.4, Pages 370-374 | Functions of router |
| T1: Sec 4.3.1 – 4.3.2 Pages 376-380 | IPv4: Datagram format |
| T1: Sec 4.3.3 Pages 381-387 | Datagram fragmentation, Addressing |
| T1- Chap-4 – P5-P11 Page No. 366 & 367 | A/H/P Slot -7 (Numerical Problems on subnetting) |
| T1: Sec 4.3.3 Pages 381-387 | Addressing (subnetting and super-netting) |
| T1: Sec 4.3.3 Pages 388-392, Sec 4.3.4 Pages 392-395 | DHCP, NAT |
| T1: Sec 5.6 Pages 472-474 | IPv6 & ICMP: Datagram format, dealing with IPv4 routers |
| T1: Sec 5.2.1 Pages 426-433 | Intra-AS routing: Dijkstra algorithm |
| T1: Sec 5.2.2 Pages 433-441 | Intra-AS routing: Bellman-Ford Algorithm |
| Ref 1: Sec 4.6.1 Page 384-388 | RIP, OSPF |
| T1: Sec 5.4.1 – 5.4.2 Pages 446-449 | The Role of BGP, Advertising BGP Route Information |
| T1: Sec 5.4.3 – 5.4.5 Pages 449-458 | Determining the Best Routes, Routing Policy |

**NOTES FOR UNIT -3**