The Syllabus of Computer Science


Computer Networks: The OSI model, TCP/IP model, Local area Networks (LAN), Metropolitan Area Networks (MAN), Wide Area Networks (WAN), Wireless Networks, Switch/Hub, Bridge, router, Gateways, Concatenated virtual circuits, Tunnelling, Fragmentation, Firewalls, Cryptography - public key, secret key. Domain Name System (DNS) - Electronic mail and World Wide Web (WWW). The DNS, Resource Records, Name Servers. E-mail architecture and Servers.

Data Warehouse: Environment, Dimensional Modeling, Extract Transform and Load (ETL), Online Analytical Processing (OLAP), Business Intelligence (BI)  
Data mining: Knowledge Representation, Data preprocessing, Association rules, Classification, Clustering.