Fundamentals of Information Technology
Long Important Questions

Unit-1
1. Define computer. What are the characteristics and limitation of computer?
2. Explain evolution of computer. What are the applications of computer?
3. Explain block diagram of computer.
4. Explain the generations of computers.*
5. What are the classifications of computers?*
6. What are the input devices of computer? Explain.*
7. What are the output devices of computer? Explain.*
8. Explain plotters and its types.
9. Explain scanners and its types.
10. Explain printers and its types.

Unit-2
1. What is number system? Explain positional and non-positional number system? (some times differences)*
2. Differentiate between primary storage and secondary storage.*
3. What are data storage and retrieval methods?*
4. Explain primary memories of computer.*
5. Explain secondary memories of computer.*
6. Differentiate between ROM and RAM.

Unit-3
1. Define software. Explain the types of software.*
2. What is system software? Explain the types of system software.
3. What is application software? Explain the types of application software.
4. Define programming language. What are the programming languages? Discuss advantages and disadvantages.*
5. What is word processor? Explain its features.*
6. What is spreadsheet? Discuss in detail.*
7. Define DBMS. Discuss in detail DBMS software.*

Unit-4
1. Define operating system. What are the functions of operating system?*
2. What are the different parameters used in measuring system performance?
3. Explain the types of operating systems.*
4. Explain batch operating system in detail.
5. Differentiate between multiprogramming , multiprocessing and multitasking OS.
6. Write about unix operating system in detail.
7. Write about linux operating system in detail.
8. What is MS-DOS? Explain internal and external commands.*
9. Write about windows operating system.
10. Define language translator? Explain the types of language translators(assembler,compiler,interpreter)*

Unit-5
1. What is data communication? Explain the process of data communication.
2. Explain types of network devices?*
3. Explain data communication modes (types). (simplex, half, full duplex)
4. Define modem. Explain its working.

5. Explain data transmissions medias. (guided, unguided)*
6. What is protocol? What are different protocol?
7. Explain the types of networks. (LAN WAN MAN)*
8. Define topology. Explain the types of network topologies.*