



**Q-2 Long Question** [15]  
List and explain components of computer system and also explain Primary memory and Secondary Memory in detail. (Draw Computer and Keyboard)

OR

**Q-2** a) What is Computer? List and Explain types of Computers and uses of computers in brief. [10]  
b) Differentiate System Software and Application Software. [05]

**Q-3 Long Question** [15]  
What is an Operating System? List and explain all the major operating systems, and explain following commands of DOS with example.

1. DIR 2. CHDIR (Change Directory) 3. RMDIR (Remove Directory) 4. RENAME 5. COPY

OR

**Q-3** a) Write a note on input and output devices in detail. [10]  
b) Write a note on Network topologies (any two) [05]

**Q-4 Short Note (Any Three)** [15]

- 1) Binary Number System and Octal Number System
- 2) The Internet
- 3) Hub and Brouter
- 4) Transmission Media (Guided and Unguided Media)
- 5) Hexadecimal Number System

