1. How DTE and DCE are wired using Rs-232 cable. Explain the process of double handshake I/O.
2. Differentiate between synchronous and asynchronous serial communication. Show DTE-DTE and DTE-DCE connection according to RS-232 serial communication standard.
3. What are the different modes of parallel communication? Construct a control word for 8255 PPI for following configuration:

   Port A and Port Cupper – mode 0

   Port B and Port Clower – mode 0

   Port A and Port Cupper as input port

   Port B and Port Clower as output port

4. What are the practical implications of asynchronous serial communication? Explain DTE-DCE connection according to RS-232 serial communication standard.
5. What is the purpose of Programmable Peripheral Interface 8255A? Explain about its different ports.
6. Explain the various data transfer modes of parallel interfacing.