Introduction to Microprocessor and Organization of 8085 Microprocessor

Q.1 Draw a functional pin diagram of microprocessor.

Q.2 Explain the purpose of each pin of 8085 microprocessor.
   (a) ALE  (b) IO/M’  (c) HOLD

Q.3 Explain the purpose of each pin of 8085 microprocessor.
   (a) READY  (b) TRAP  (c) RESET OUT

Q.4 Explain the purpose of each pin of 8085 microprocessor.
   (a) X1,X2  (b) CLK OUT  (c) HLDA

Q.5 Explain the purpose of each pin of 8085 microprocessor.
   (a) SOD  (b) S0, S1  (c) INTA'

Q.6 Explain multiplexed address/data bus in 8085 microprocessor and how address and data is demultiplexed.

Q.7 What are I/O mapped I/O and memory mapped I/O schemes? Which one 8085 uses.

Q.8 Define the following terms with suitable diagram:
   (a) Instruction Cycle  (b) Machine Cycle  (c) T-State

Q.9 Explain the following terms:
   (a) Instruction Register  (b) Instruction Decoder  (c) Serial I/O control

Q.10 Draw a labeled functional block diagram of generic microprocessor.

Q.11 Draw a labeled functional block diagram of microprocessor 8085.

Q.12 Give the features of microprocessor 8085.