Test Problems

a.   General definitions of mini computers etc,

Q1.   Differentiate between a microprocessor and a micro controller

Q2.   Differentiate between a microprocessor and digital signal processor

b.   Overview of 8085 Microprocessor

Q1.   List the internal registers in 8085 microprocessor and their abbreviations and lengths. Describe the primary function of each register.

Q2.   List five levels of interrupts in 8085 microprocessor with priority.

Q3.   Interface a key to SID pin of 8085 Microprocessor.

Q4.   Interface a LED to SOD pin of 8085 Microprocessor.

Q5.   In 8085 microprocessor which has higher the priority NMI or DMA

Q6.   What are the differences between Memory mapped I/O and I/O mapped I/O

c.   Overview of 8086 Microprocessor

Q1.   Explain the need of segmentation

Q2.   List the internal registers in 8086 Microprocessor

Q3.   Explain the roles of BIU and EU

Q4.   What are the advantages of pipelining?

Q5.   Explain all the flags in 8086

d.   Signals and pins of 8086 microprocessor

Q1.   List the signals in minimum and maximum modes

Q2.   Explain the roles of pins $\overline{\text{TEST}}$, $\overline{\text{LOCK}}$

Q3.   Which are the pins of 8086 that are to be connected to interface 8284 and explain their functions?

Q4.   Which are the pins of 8086 that are to be connected to 8087 and explain their functions?