

Unit-4

Microprocessor and its Applications (CS313)

Question Bank

1. Draw and explain the pin diagram of Intel 8253.
2. Write the modes and features of Intel 8253.
3. Draw and explain the Control word register of 8253.
4. Explain Mode 0 of Intel 8253.
5. Use 8253 in mode 0 to perform a task after given delay. Let count for delay F06A. Use counter 1 for binary counting. Design the control word.
6. Explain the feature of A to D converter.
7. Convert 3.41 volts into 8-bit Digital form. Let the reference voltage $V_r = 5$ volt, using successive approximation method.
8. Draw the block diagram of Intel 0808 and explain its working with proper example.
9. Explain the Pin Diagram of 0808 (A/D).