

JASDEV SINGH SANDHU POLYTECHNIC COLLEGE, KAULI (PATIALA)

SUBJECT: - Microcontroller and ES

Branch: - ECE (5th semester)

Sr. No.	List of questions
1	What is Microcontroller?
2	How Microcontroller is differs from the Microprocessor.
3	Give the features of various Microcontroller.
4	Give the comparison of 8051 family members.
5	What is embedded system?
6	Give main factors which are considerer while choosing a microcontroller.
7	Describe the Pin diagram of 8051 MC.
8	What do you mean by addressing?
9	What do you mean by additional RAM?
10	Write the name of Addressing Modes of 8051 Microcontroller.
11	Explain the difference between the synchronous and Asynchronous data transfer technique.
12	Give the procedure for writing program?
13	What do you mean by debugger?
14	Explain how stimulator works.
15	Difference b/w compiler and Interpreter.
16	Give the features of analog and digital converter.
17	Draw and explain the pin configuration of ADC
18	Define ADC 0804? Give the features.
19	Define seven segment display With neat and clean circuit diagram
20	Give the interfacing of liquid crystal display.
21	Draw and explain block diagram of ADC 0808
22	Draw the circuit diagram of interfacing of ADC and Mcs-51 family.
23	Draw the block diagram of PIC Microcontroller.
24	Define memory and its types in detail.
25	What is Mid-range architecture? Give its features.
26	Draw the Pin diagram of PIC16C71.
27	Give the application of 8051 MC in monitoring and controlling systems.
28	Explain the Stepper motor speed control with diagram
29	What is the application of Bluetooth technology?
30	Give the types of microcontroller application in the field of communication.
31	What are the uses of timers? How can we select a timer? How timers can be used to counting.
32	What is interrupt service routine. Explain the internal and external interrupt for 8051