

Q.4 Selection of register bank is made possible through_____

- a) SBUF b) PSW
- c) SCON d) PCON

Q.5 An_____ is required whenever a computer needs to understand physical parameters like sound, pressure, velocity using a transducer.

- a) Digital to Analog Converter
- b) Analog to Digital Converter
- c) Programming Logical Control
- d) Liquid Crystal Display

Q.6 The group of memory locations set aside to hold the addresses of ISRs is called _____

- a) Service Routine table
- b) Interrupt Service Table
- c) Interrupt Vector Table
- d) Routine Data Table

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 In 8051 microcontroller, crystal oscillator has frequency of_____

Q.8 CISC stands for_____

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Q.9 Set of instructions is known as_____

Q.10 LED stands for_____

Q.11 USART stands for_____

Q.12 _____ Register is used to control transmit and receive operations in serial communication in 8051 microcontroller (SCON/PCON)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Explain the difference between Microprocessor and Microcontroller.

Q.14 Define programming Language. What are different types of programming languages are used in 8051 Microcontroller.

Q.15 List few features of 8051 Microcontroller.

Q.16 How many Timers are associated with 8051 Microcontrollers. Explain the functions of Registers for functioning of Timer.

Q.17 What do you understand by Addressing Modes. Explain Immediate addressing mode with suitable example.

Q.18 Explain Reset Circuit of 8051 Microcontroller along with its diagram.

Q.19 Name different serial communication modes available in 8051 with their main features.

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