MOCK for assessment :

5 Questions on C programming

5 Questions on 8051 micro controller

5 questions on communication protocol

1. What are static variables?

2 What are volatile variables?

3 What do you mean by const keyword ?

4 What is interrupt latency?

5 How you can optimize it?

6 What is size of character, integer, integer pointer, character pointer?

7 What is NULL pointer and what is its use?

8 What is void pointer and what is its use?

9 What is ISR? Can we pass any argument or return anything from ISR?

10 Can we use any function inside ISR?

Important part of C :

1. Loops

2. Data types

3. Storage classes

4. Data qualifier

5. Structure, Union and Enum

6. Pointers

7. Data qualifier

8. Preprocessor

9. Inline function

Controller imp part :

1. ADC

2. PWM

3. Timer

4. Interrupt

5. Matrix keypad

6. LCD

7. Switch and LED

Communication protocol:

UART

SPI

I2C

CAN