

Northern India Engineering College, Delhi

(GGSIP University)

SUBJECT – EMBEDDED SYSTEM

SUBJECT CODE- ETEC-404

ASSIGNMENT –II

Ques1. Write a program to move value 34H into register A and value 3F into register B, then add them together.

Ques2. Write a program to create a square wave of 50% duty cycle on the P0.0 bit. Use timer0 to generate time delay.

Ques3. Explain stack and register bank 1 conflict.

Ques4. Write the instructions to select register bank 2..

Ques5. How interrupts are better than polling?

Ques6. Differentiate between emulator and In-circuit Emulator.

Ques7. Differentiate between Task, Function and Process.

Ques8. Write a short note on stack memory and dual role of port 0 and port2.

Ques9. Explain scheduling of multiple tasks in real time by RTOS and define interrupt handling.

Ques10. What is the need and advantage in having provision for both external and internal program memories?