School of Engineering

B.TECH Electronics and Communication Engineering
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem IV - G2UA401C - Microcontrollers and Embedded System

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Define assembler and compiler.	K1(2)
2)	Discuss about the Address pins of 8051 Microcontroller.	K2(4)
3)	Explain advantages of assembly language programming over machine language.	K2(6)
4)	Illustrate the control word format of 8255 PIO in I/O and BSR Modes.	K3(9)
5)	Illustrate any three addressing modes of 8051 with an example.	K3(9)
6)	Examine the addition of two 8 bit number in 8051.	K5(10)
7)	Analyze the operation of Counter in different modes in 8051.	K4(12)
8)	Examine different types of shift and rotate instruction.	K5(15)
9)	Examine bit oriented instructions with example.	K5(15)
10)	Discuss about the features of 8086 Processor.	K6(18)