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**B. Tech. (Electronics & Telecommunication
Engineering) 8th Semester (G Scheme)**

Examination, July-2022

EMBEDDED SYSTEM

Paper-PEC-ECE-415-G

Time allowed : 3 hours]

[Maximum marks : 75

*Note : Question no.1 is compulsory and attempt any one
question from each unit.*

1. Write short notes on the following : 15
- (a) Micro Controller
 - (b) Micro Controller block diagram
 - (c) ADC
 - (d) Embedded System

Unit-I

2. (a) Explain different types of micro controller. 8
(b) Compare CISC V/S RISC in detail. 7
3. (a) Compare Harvard V/S Princeton in detail. 8
(b) Describe various features of micro controller. 7

Unit-II

4. Describe the Architecture of PIC Micro-controller in detail. 15
5. (a) Explain Addressing modes of PIC. 8
- (b) What is Program Memory consideration in PIC ? 7

Unit-III

6. Explain the block diagram of 8051 Micro-controller. 15
7. (a) Describe Addressing Modes of 8051 Micro controller. 8
- (b) Explain memory organization of 8051. 7

Unit-IV

8. (a) Classify various types of Embedded System. 8
- (b) Describe various types of products of embedded system. 7
9. Explain various application of Embedded System. 15