

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT  
TEST -1 EXAMINATIONS-2022

M.Tech-I Semester (ECE)

COURSE CODE (CREDITS): 21M11EC112 (3)

MAX. MARKS: 15

COURSE NAME: Embedded Systems and Applications

COURSE INSTRUCTORS: Er. Munish Sood

MAX. TIME: 1 Hour

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*Note: All questions are compulsory. Marks are indicated against each question in square brackets.*

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- Q1) What is an embedded System? What are the characteristics of an embedded system?(3) CO1
- Q2) Distinguish between a microprocessor and a microcontroller. (2) CO-1
- Q3) Distinguish between Von-Neumann Architecture and Harvard Architecture. (2) CO-2
- Q4) Distinguish between CISC vs RISC machines. (2) CO-2
- Q5) Explain the architecture of an embedded system? (3) CO-1
- Q6) What are real time embedded systems? What are the different applications for the real time embedded systems? (3) CO-2