BUDDHA INSTITUTE OF TECHNOLOGY, GIDA, GORAKHPUR
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
CLASS TEST-1 (EVEN SEMESTER 2022-23)
APRIL-2023

Course:	**B.Tech**		**Semester:**	**6th**
Subject:	**EMBEDDED SYSTEMS**		**Subject Code:**	**KOE-062**
M.M.	**30**	**Time:**	**2Hrs**	**Roll No._____**

SECTION-A

1. Attempt all questions. Each questions carry equal marks. **Marks: 5*1=5**

Q. No.1	Question	Level of Taxonomy	Course Outcome
a.	List the components of Embedded system	Understanding	**CO-1**
b.	List any two characteristics of an Embedded system	Understanding	**CO-1**
c.	Define the term compiler and cross compiler	Understanding	**CO-1**
d.	Define Embedded system.	Understanding	**CO-1**
e.	Define Bus and BAUD Rate.	Understanding	**CO-2**

SECTION-B

Attempt All questions. Each questions carry equal marks. **Marks: 3*5= 15**

Q. No.2	Question	Level of Taxonomy	Course Outcome
a.	Explain the basic steps involved in build process of Embedded system with a flowchart.	Understanding	**CO-1**
	OR		
a.	Explain the classification of Embedded system on the basis of different criterions.	Understanding	**CO-1**
b.	With suitable diagram explain SPI Protocol used in embedded system	Understanding	**CO-2**
	OR		
b.	Write the steps needed for communication in I2C Protocol.	Understanding	**CO-2**
c	Explain the role of Watch dog Timer in Embedded system with the use of diagram	Understanding	**CO-1**
	OR		
c	Write short note on Real Time Clock (RTC) and In Circuit Emulator(ICE) used in Embedded system	Understanding	**CO-1**

SECTION-C

Attempt All questions. Each questions carry equal marks. **Marks: 2*5= 10**

Q. No.3	Question	Level of Taxonomy	Course Outcome
a.	Explain UART serial communication protocol in detail.	Understanding	**CO-2**
	OR		
a.	Explain the DMA process used in Embedded system.	Understanding	**CO-2**
b	Explain the advanced structure of Embedded system with the help of block diagram.	Understanding	**CO-1**

Note: Revised Bloom's Taxonomy Levels-

L1->Remembering, L2->Understanding, L3->Applying, L4->Analyzing, L5->Evaluating, L6->Creating