Name: Student University Roll No.:	Printed Pages: 01

School of Engineering

First Sessional Examination, Even Semester (AS: 23-24)

B. Tech: IOTBC (ISE)

Year: 2023-24 (2nd Year) Semester: Fourth

Course Title: Blockchain Essentials Course Code: ITBC3401	M.M.: 30 Time: 1 hr

Instructions if any: Read the question Carefully.

	SECTION 'A' **Q.N.1. Attempt all parts of the following:**	Course Objective	Marks
a)	Define HTML5 and discuss its significance in modern web development.	CO1	1
b)	Define the term "decentralized" in the context of blockchain technology.	CO2	1
c)	Describe the syntax for declaring a function in JavaScript.	CO1	1
d)	Discuss one advantage of using Node JS for server-side development.	CO1	1
e)	Explain what "immutable" in the context of blockchain.	CO2	1
	SECTION 'B' **Q.N.2. Attempt any two parts of the following:**	Course Objective	Marks
a)	Define what a callback function is in JavaScript and describe its purpose.	CO1	7.5
b)	Discuss indicators that point to the future of blockchain technology.	CO2	7.5
c)	What is the significance of understanding the state of the blockchain industry in 2019?	CO2	7.5
d)	Describe the concept of promises in JavaScript.	CO1	7.5
	SECTION 'C' **Q.N.3. Attempt any one part of the following**	Course Objective	Marks
a)	Identify and explain the problem that	CO1	10

	blockchain aims to solve.		
b)	Enumerate and briefly describe the categories of blockchain solutions.	CO2	10
c)	Discuss the business context behind the blockchain.	CO2	10

Table 1: Mapping between COs and questions

(Number of COs may vary from course to course)

COs	Questions Numbers	Total Marks
CO1	1(a),1(c),1(d), 2(a),2(d),3(a)	28
CO2	1(b),1(e),2(b),2(c),3(b),3(c)	37