

## **Bundelkhand Institute of Engineering and Technology, Jhansi**

Department of Computer Science & engineering

Class Test 1(2021-2022)

B.Tech II Semester(EE, EC, CH)

Sub Code: KMC-202

Sub Name: Emerging Technology for Engineering

Time: 1 Hours

Max. Marks: 15

Roll No.

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INSTRUCTION: Attempt all the questions.

Q. No.	Question	Marks	CO
1	<b>Attempt all parts of the following:</b>		
	a Discuss the role of sensors in IoT.	2	1
	b Differentiate between the concepts of IoT and IIoT.	2	1
	c What are the challenges of IoT?	2	1
2	<b>Attempt all parts of the following:</b>		
	a Discuss the characteristics, advantages and disadvantages of cloud computing.	2	2
	b Write short notes on (any two): (i). AWS (ii). Google cloud (iii). Microsoft Azure (iv). IBM cloud	2	2

## **Bundelkhand Institute of Engineering and Technology, Jhansi**

Department of Computer Science & engineering

Class Test 2(2021-2022)

B.Tech II Semester, (EE, EC, CH)

Sub Code: KMC-202

Sub Name: Emerging Technology for Engineering

Time: 1 Hours

Max. Marks: 10

Roll No.

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INSTRUCTION: Attempt all the questions.

Q. No.	Question	Marks	CO
1	<b>Attempt all parts of the following:</b>		
	a Explain Bitcoin. How it is different from traditional currency?	02	3
	b Discuss in brief about the applications of Blockchain.	02	3
	c What are smart contracts? Explain its features.	02	3
2	<b>Attempt all parts of the following:</b>		
	a What are the advantages and limitations of 3D printing?	02	4
	b What are the regulations and procedures for becoming a drone pilot?	02	4

(Roll No. to be filled by candidate)											

**B. TECH.**  
**SECOND SEMESTER THEORY EXAMINATION, 2021-22**  
**KMC-202**  
**EMERGING TECHNOLOGY FOR ENGINEERING**

Time: 02 Hours

Max. Marks: 50

Note:

- Attempt all questions. All questions carry equal marks.

- Attempt any **FOUR** parts of the following: 4×2.5
  - Why internet is necessary for cloud computing? CO
  - Describe different types of drones. CO1
  - Write applications of IoT. CO1
  - What are sensors? CO1
  - What encryption algorithm used in blockchain technology? CO1
- Attempt any **TWO** parts of the following: 2×5
  - What are cryptocurrencies? Explain any three cryptocurrencies. CO
  - What is Cloud Computing? Explain the architecture of cloud computing. CO2
  - What is brain computer interface? How it works? CO2
- Attempt any **TWO** parts of the following: 2×5
  - What is smart contracts? Write its features. CO
  - Explain different types of sensors and its features. CO3
  - What is additive manufacturing? What are its applications in various fields? CO3