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Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech. CSE(Internet of Things and Cyber Security Including Block
Chain Technology) (Sem.-7)**

INDUSTRIAL IOT

Subject Code :BTITCS-713-20

M.Code :93986

Date of Examination : 02-12-2025

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

- 1. Write briefly :**
- a) What is industrial internet of things?
 - b) Interoperability in smart automation.
 - c) Components of CPS.
 - d) Networking of IIoT.
 - e) Digital production
 - f) Ecosystem
 - g) Condition Monitoring
 - h) User intervention
 - i) Cyber Physical electronic production
 - j) Machine Learning

SECTION - B

2. Explain cyber physical system intelligences with suitable example.
3. What are the strategies to support user intervention in IIoT, explain?
4. What is the importance of application map for IIoT, justify your answer with suitable examples?
5. What is model based engineering of supervisory for CPS?
6. Write a note on Big Data.

SECTION - C

7. Demonstrate cyber physical and cyber manufacturing systems.
8. Explain the evaluation of workforce and human machine interaction in IIoT
9. Explain the architectural design patterns for IIoT.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.