

Regular Summer Examination – 2024

Course: B.Tech. Branch: Electronics and Computer Engineering

Semester: VI

Subject Code & Name: Internet of Things (BTECP601)

Max Marks: 60

Date: 13 / 06 / 2024

Duration: 3 Hr.

Instructions to the Students:

1. All the questions are compulsory.
2. The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in () in front of the question.
3. Use of non-programmable scientific calculators is allowed.
4. Assume suitable data wherever necessary and mention it clearly.

	(Level/CO)	Marks
Q. 1 Solve Any Two of the following.		12
A) Define IoT & Explain it's types.	CO2	6
B) Explain Cloud Computing & Big data analytics.	CO2	6
C) Difference between IoT vs M2M.	CO2	6
Q.2 Solve Any Two of the following.		12
A) Describe 'C' programming structure.	CO2	6
B) Pin diagram of NodeMCU:8266 Wi-Fi Module.	CO3	6
C) Explain steps to setup NodeMCU(ESP8266) on Arduino IDE.	CO3	6
Q. 3 Solve Any Two of the following.		12
A) Describe 'Python' programming structure.	CO4	6
B) What is Raspberry Pi?	CO4	6
C) Elaborate Basic Linux Commands.	CO4	6
Q.4 Solve Any Two of the following.		12
A) Explain configuration of NodeMCU to connect to the Server.	CO5	6
B) Describe Interfacing of Raspberry Pi with WhatsApp or Twitter.	CO5	6
C) UART.	CO5	6
Q. 5 Solve Any Two of the following.		12
A) BLE	CO6	6
B) MQTT	CO6	6
C) DDS	CO6	6

*** End ***