DOON UNIVERSITY, DEHRADUN

End Semester Examination, First Semester, 2023
Academic Year 2023-24(Odd Semester)

School of Physical Science, Department of Computer Science
B.Sc. (Computer Science)
CSS101- Introduction to IoT

Time Allowed 2.00 Hours   *Maximum Marks: 50*

SECTION: A

(Very Short Answer Type Questions)

Q1. What is Internet of Things? Write its applications.   (2)

Q2. What is the difference between IP address and MAC address.   (2)

Q3. What do you mean by Integrated Circuits?   (2)

Q4. Difference between SMTP and POP3.   (2)

Q5. What do you mean by Microcontrollers?   (2)

SECTION: B

(Short Answer Type Questions)

Q1. What are the technologies used in IOT? Explain any five?   (5)

Q2. State some issues in Microcontrollers.   (5)

Q3. Write difference between IoT devices and Computers.   (5)

Q4. Write about the hardware and software components of IoT devices. (5)

SECTION: C

(Long Answer Type Questions)

Q1. Explain any five Internet Protocols.   (6)

Q2. Explain different types of networks (LAN, MAN etc).   (6)

Q3. What is Mobile Ad hoc Network (MANET)? Give its application.   (8)