



Dr. Pushpendra Kumar 6/5/2023
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राष्ट्रीय प्रौद्योगिकी संस्थान, हमीरपुर (हि.प्र.)
National Institute of Technology Hamirpur (H.P.)
(Under Ministry of Education, Govt. of India, New Delhi)

Branch/ Semester	: Dual Degree (4 th Year)	Subject Code	: CS-744
Subject Name	: Internet of Things	Duration	: 3 Hrs
Date	: 06/05/2023	Max. Marks	: 50

- Q. 1 Explain the potential and benefits of an IoT oriented approach over M2M by considering a Health band as the real world use case example. Compare the main characteristics of M2M and IoT. (5)
- Q. 2 Discuss various standards and technologies that enables Adhoc connectivity between devices that forms the basis of IoT. (5)
- Q. 3 Explain how cloud of things acts as an enabler for new value added services and applications with a neat diagram. (5)
- Q. 4 Discuss the various IoT architectural objectives. (5)
- Q. 5 Explain the functional layers and capabilities of an IoT solution with a neat diagram. (5)
- Q. 6 Explain the deployment and operational view, resources, services, virtual entities, users in an IoT system by considering a Parking lot example. (5)
- Q. 7 How Internet Addresses (ipv6) might affect the development and implementation of the Internet of Things (IoT)? (5)
- Q. 8 What are the important elements of the Internet of Everything, (IOE)? (5)
- Q. 9 Describe the relative strength and limitation of Building IOT with RASPERRY PI (5)
- Q. 10 What is Sensor? Differentiate between sensors and transducer. What is an IR sensor? (5)