



**SIDDHARTH GROUP OF INSTITUTIONS:: PUTTUR
(AUTONOMOUS)**

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QUESTION BANK (DESCRIPTIVE)

Subject with Code: RFID (19EC4116)

Course & Branch: M.Tech - ES

Year & Sem: II-M.Tech & I-Sem

Regulation: R19

**UNIT –I
UNDERSTANDING RFID TECHNOLOGY**

1	a) Illustrate on antennas and radio of RFID.	[L2][CO1]	[6M]
	b) Discuss about RFID Technology in detail.	[L6][CO1]	[6M]
2	Explain about the effect of environment on RFID system.	[L2][CO1]	[12M]
3	a) Discuss about RFID readers.	[L6][CO1]	[6M]
	b) Explain about the computer network which is used to connect the readers of RFID.	[L2][CO1]	[6M]
4	a) Explain about the implantation of RFID chips in peoples.	[L2][CO1]	[5M]
	b) List out the elements of RIFD system and explain each briefly.	[L1][CO1]	[7M]
5	a) Illustrate about the coupling, range and penetration of RFID system.	[L2][CO1]	[6M]
	b) Explain in detail about any two applications of RFID.	[L1][CO1]	[6M]
6	a) Explain the various elements of an RFID system with the help of block diagram.	[L2][CO1]	[6M]
	b) Illustrate on verichip and mark of the beast in RFID technology.	[L2][CO1]	[6M]
7	a) Demonstrate on RFID tags in detail.	[L2][CO1]	[6M]
	b) Explain in detail about applications of RFID in the Library systems.	[L2][CO1]	[6M]
8	a) Explain the applications of RFID in the Supply Chain Visibility and Inventory Management.	[L2][CO1]	[6M]
	b) Describe the band, frequency, wavelength and classical usage in RFID.	[L2][CO1]	[6M]
9	a) Explain the applications of RFID in tracking methodology.	[L2][CO1]	[7M]
	b) What are the elements of an RFID system? Explain the role of each element.	[L1][CO1]	[5M]
10	a) Discuss in detail about RFID Tag.	[L6][CO1]	[6M]
	b) Explain the specific regulations and standards that apply to RFID system used with animal identification.	[L2][CO1]	[6M]

UNIT –II
A HISTORY OF THE EPC

1	a) Demonstrate on low cost RFID protocols.	[L2][CO2]	[6M]
	b) Explain in detail about Low cost manufacturing of RFID tags.	[L2][CO2]	[6M]
2	Discuss in detail about software and network of the EPC.	[L6][CO2]	[12M]
3	a) Develop the creation of the EPC global.	[L3][CO2]	[6M]
	b) What are the types of Low cost RFID protocols and explain each briefly.	[L1][CO2]	[6M]
4	a) Explain in detail about the distributed intelligent systems center.	[L2][CO2]	[6M]
	b) Illustrate on the Meanwhile, at Procter & Gamble.	[L2][CO2]	[6M]
5	a) How the EPC face the challenges in detail.	[L1][CO2]	[6M]
	b) Explain in detail about the history of evolution of industry for RFID technology.	[L2][CO2]	[6M]
6	a) Discuss in detail about Harnessing the Juggernaut of the EPC.	[L6][CO2]	[6M]
	b) Explain the supply chain of EPC.	[L2][CO2]	[6M]
7	a) Demonstrate on privacy of RFID system.	[L2][CO2]	[6M]
	b) Explain in detail about the six Auto-ID labs.	[L2][CO2]	[6M]
8	a) Explain about the history of EPC global.	[L2][CO2]	[5M]
	b) What is meant by distributed intelligent systems center and explain it?	[L1][CO2]	[7M]
9	a) Describe in detail about the distributed intelligent systems center.	[L2][CO2]	[6M]
	b) Explain in detail about privacy of RFID tag in remote sensing area.	[L2][CO2]	[6M]
10	How to protect the privacy of remote sensing technology and explain in briefly.	[L1][CO2]	[12M]

UNIT –III
RFID AND GLOBAL PRIVACY POLICY

1	a) List out the different kinds of RFID systems and briefly explain about it.	[L1][CO3]	[6M]
	b) Explain about the introduction to RFID and global privacy policy.	[L2][CO3]	[6M]
2	Discuss in detail about the definitions of privacy in detail.	[L6][CO3]	[12M]
3	a) Explain in detail about definitions of personal information.	[L2][CO3]	[6M]
	b) Illustrate on history of current privacy paradigm.	[L2][CO3]	[6M]
4	Describe in detail about mapping the RFID discovery process.	[L2][CO3]	[12M]
5	Analyze the functions for chips and readers in detail.	[L4][CO3]	[12M]
6	a) Explain in detail about functions for owners.	[L2][CO3]	[6M]
	b) Demonstrate about responsibilities for chips and readers in detail.	[L2][CO3]	[6M]
7	a) Discuss in detail about responsibilities for owners in brief.	[L6][CO3]	[6M]
	b) What is the use of Physical markup language in RFID and explain in detail.	[L1][CO3]	[6M]
8	a) Explain in detail about privacy as fundamental human right.	[L2][CO3]	[5M]
	b) Examine about Integrate the RFID with enterprise applications.	[L4][CO3]	[7M]
9	a) What are the application servers available in RFID and discuss about the uses of these servers.	[L1][CO3]	[6M]
	b) Explain in detail how to integrate client using RFID technology.	[L2][CO3]	[6M]
10	a) Explain the basic configuration of RFID solutions with some examples.	[L2][CO3]	[6M]
	b) Describe about the constitutional rights in detail.	[L2][CO3]	[6M]

UNIT –IV
RFID,PRIVACY AND REGULATION

1	a) Explain how business and government organizations can be benefited by RFID.	[L2][CO4]	[6M]
	b) What is U.S.A regulatory land scope with respect to RFID and briefly explain about it.	[L1][CO4]	[6M]
2	a) List out RFID's privacy threats and explain each briefly.	[L1][CO4]	[6M]
	b) Illustrate on health impact in RFID.	[L2][CO4]	[6M]
3	a) Discuss in detail about privacy as a fundamental human right.	[L6][CO4]	[7M]
	b) Explain about labor impact in RFID.	[L2][CO4]	[5M]
4	a) Explain in detail about integrity and security of the system of RFID technology.	[L2][CO4]	[6M]
	b) What is the current state of RFID policy and briefly explain it.	[L1][CO4]	[6M]
5	a) Explain how business and government organizations can be benefited by RFID.	[L2][CO4]	[6M]
	b) Explain briefly understanding RFID's privacy threats.	[L2][CO4]	[6M]
6	a) Demonstrate on integrity and security of the RFID system.	[L2][CO4]	[6M]
	b) Explain about the health and labor impact.	[L2][CO4]	[6M]
7	a) Explain important RFID policy issues.	[L2][CO4]	[6M]
	b) What are the advantages and disadvantages of using RFID technology for public and private sectors?	[L1][CO4]	[6M]
8	a) Describe in detail about Health Impact.	[L2][CO4]	[6M]
	b) Explain about Labor Impact in detail.	[L2][CO4]	[6M]
9	a) Discuss in detail about U.S.A regulatory in individuals using RFID technology.	[L6][CO4]	[6M]
	b) What are the advantages of using RFID method in Government and security of the system.	[L1][CO4]	[6M]
10	a) Demonstrate on RFID privacy threats.	[L2][CO4]	[6M]
	b) Describe in detail about Current state of RFID policy.	[L2][CO4]	[6M]

UNIT –V
APPLICATIONS

1	a) Explain in detail about the applications of RFID in logistics and military.	[L2][CO5]	[6M]
	b) Illustrate on RFID technology in store.	[L2][CO5]	[6M]
2	a) Discuss in detail about Exxon Mobil Corporation.	[L6][CO5]	[6M]
	b) Demonstrate on RFID technology.	[L2][CO5]	[6M]
3	a) Analyze on Transforming the battle field with RFID.	[L4][CO5]	[6M]
	b) Explain in detail about Project jump start.	[L2][CO5]	[6M]
4	a) Explain how the project jump start created to test full deployment of RFID tracking in the pharmaceutical industry.	[L3][CO5]	[6M]
	b) Define logistics in the military. What are the various aspects of military operations the logistics deal with? Explain in detail.	[L3][CO5]	[6M]
5	a) Discuss in detail about CVS and Auto-ID.	[L6][CO5]	[6M]
	b) Illustrate on RFID Payments at ExxonMobil.	[L2][CO5]	[6M]
6	a) How to identify and track an object using RFID technology.	[L1][CO5]	[6M]
	b) Describe some applications for object tracking using RFID method and explain in detail.	[L2][CO5]	[6M]
7	a) How the RFID technology can be useful in Pharmacy and discuss in detail.	[L1][CO5]	[6M]
	b) Explain about battlefield with RFID technology.	[L2][CO5]	[6M]
8	a) What is meant by Project jump start and explain in detail about uses of it.	[L1][CO5]	[6M]
	b) List out any two applications using RFID and explain in detail.	[L1][CO5]	[6M]
9	a) Describe about RFID benefits in store applications.	[L2][CO5]	[6M]
	b) Explain in detail how RFID can be useful in Military fields.	[L2][CO5]	[6M]
10	a) Illustrate about the examples for an object tracking using RFID.	[L2][CO5]	[6M]
	b) Demonstrate on Logistics and Military using RFID technology.	[L2][CO5]	[6M]

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