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Question Paper Code: 97203

B.E./B.Tech. DEGREE EXAMINATION, NOV 2024

Seventh Semester

Computer Science Engineering

19UCS703 - Building Internet Of Things

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 2 = 20 Marks)

1. List out various protocol used in Application layer. CO1- U
2. Determine the basic operations in IoT. CO1- U
3. Write the various reasons to choose IoT and M2M? CO1- U
4. Discuss the networks used for M2M. CO1- U
5. What are the functions of Data Information Layer CO1- U
6. Give the overall design objective of IoT architecture CO1- U
7. List the need of Process management functional group. CO1- U
8. Define Device and Application functional group CO1- U
9. List out the Vulnerabilities of IoT. CO1- U
10. Differentiate spoofing and eavesdropping. CO1- U

PART – B (5 x 16= 80 Marks)

- 11 (a) With neat sketch explain the Physical and Logical design of IoT. CO1- U (16)
Or
(b) Describe the various protocols used in IoT and also explain its different application. CO1- U (16)
- 12 (a) Apply the various characteristics of IoT and M2M in different service areas. CO2- App (16)
Or
(b) Apply M2M solutions for industry sectors and application scenarios. CO2- App (16)

13. (a) Discuss the design objectives of IoT architecture needed to target a horizontal system of real-world services. CO2- App (16)
- Or
- (b) Illustrate with neat sketch of the reference architecture to a system solution with main design principles Of a M2M to IoT. CO2- App (16)
14. (a) Describe the Data representation and visualization of plant monitoring system. CO2- App (16)
- Or
- (b) With the neat sketch enumerate the functional view of the Traffic controlling system. CO2- App (16)
15. (a) Analyze the threats related issues on different OSI layers of network. CO3-Ana (16)
- Or
- (b) Analyze the vulnerabilities of IoT and Illustrate with a specific case. CO3-Ana (16)