

(3 hours)**[80 marks]**

NOTE: Question No 1 is compulsory

Attempt any three questions from remaining.

Assume suitable data if necessary.

- Q1. A) What are system components of M2M solution? [5]
B) Explain Ecosystem VS value chain. [5]
C) List out design principles of IoT and capabilities needed for it. [5]
D) Explain in the M2M context, important functions of the WAN. [5]
- Q2. A) Compare main characteristics of M2M and IoT. [10]
B) Explain Information driven value chain for IoT. [10]
- Q3. A) Explain the technologies used in LAN, WAN for IoT. [10]
B) Explain functional layers and capabilities of an IoT solution. [10]
- Q4. A) Explain key characteristics of M2M data. [10]
B) Explain in detail IoT integration with enterprise systems. [10]
- Q5. A) Draw and Explain IoT reference Model, and describe reference Architecture dependencies. [10]
B) What are the technical design constraints need to be taken into account when developing and implementing M2M and IoT solutions in the real world. [10]
- Q6. A) Smart cities - Explain need and the role of physical infrastructure and actors involved for M2M installations through IoT perspective? [10]
B) Explain Industrial Automation on SOA paradigm [10]