

TE / SEM V / C - SCHEME / Comp / Dec 24 / 16-12-24

Time: 3 hours

Max. Marks: 80

Instructions:

- 1) Attempt any **Four** questions.
- 2) Figures to the right indicate full marks.
- 3) Assume suitable additional data, if necessary and clearly state it.

- Q.1** (a) Discuss IOTWF Standardized Architecture. 10
- (b) What is IOT? How IoT is different from Digitization? List out the different IOT Challenges. 10
- Q.2** (a) Give Classification of networks according to access technologies and distances. 10
- Describe domain specific IOT related to smart city.
- Q.3** (a) With example, explain the types of Sensors and Actuators used in IoT applications 10
- (b) Describe data vs network analytics for an IoT network. 10
- Q.4** (a) Compare and contrast: Application Layer protocols. 10
- (b) What are IOT software platform? Explain with examples. 10
- Q.5** (a) Short notes on Edge computing, Fog computing and Cloud computing. 10
- (b) Briefly explain Adapting SCADA for IP. 10
- Q.6** (a) Explain different IoT enabling technologies. 10
- (b) Discuss in brief- 10

1. Gateways and Backhaul Sublayer in Core IoT Functional Stack
2. Communications Network Layer in Core IoT Functional Stack.
