

Total No. of Questions : 8]

SEAT No. :

P-7749

[Total No. of Pages : 2

[6180]-279

T.E. (Artificial Intelligence and Machine Learning)
IOT WITH ARTIFICIAL INTELLIGENCE
(2019 Pattern) (Semester - I) (318542)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q.1 or Q.2, Q.3 or Q.4, Q5 or Q6, Q7 or Q8.*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Figures to the right side indicate full marks.*
- 4) Assume suitable data if necessary.*

- Q1)** a) What is IPV6 protocol? Explain advantages of IPV6 over IPV4 protocol [8]
b) Write short note on Constrained nodes. [6]
c) Write applications of IEEE 802.15.4? [4]

OR

- Q2)** a) Explain detail architecture of MQTT protocol. [8]
b) State and describe various characteristics of LoRaWAN technology? [6]
c) Explain IEEE 802.11ah protocol. [4]

- Q3)** a) Explain requirements of unstructured data storage. [7]
b) Explain Data Integration platforms. [6]
c) Explain Cisco frameworks. [4]

OR

- Q4)** a) List and Explain any three IOT frameworks. [7]
b) Write short note on Data Warehouse. [6]
c) State and describe unstructured data storage challenges. [4]

P.T.O.

- Q5)** a) Explain different types of data analytics. [8]
b) Explain encrypting in Data in Motion. [6]
c) Explain key features of Clouds to support IOT. [4]

OR

- Q6)** a) Explain Everything as a Service cloud service model (XAAS). [8]
b) Short note on Data At Rest. [6]
c) List advantages and disadvantages of structured data. [4]

- Q7)** a) Explain in detail big Data & IOT Data analytics [7]
b) Write Short note in Asset management using IOT. [6]
c) Explain in brief IOT cloud platforms. [4]

OR

- Q8)** a) Describe advantages and disadvantages of IOT automation. [7]
b) Discuss the benefits of IoT enabled smart grid technology. [6]
c) What are real world design constraints in IOT? [4]

