Total No. of Questions : 4]

SEAT No. :

PE126

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[6579]-435
T.E. (AIML) (Insem)
IOT WITH ARTIFICIAL INTELLIGENCE
(2019 Pattern) (Semester-I) (318542)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates:

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

Q1) a) Explain IoT level 3 and 4 with neat diagram. **[5]**

b) Describe protocols used in IoT. **[5]**

c) Write short note on following IoT enabling technologies. **[5]**

i) Wireless Sensor networks

ii) Big Data Analytics

OR

Q2) a) Differentiate between TCP/IP and UDP Protocol. **[5]**

b) Describe and draw IoT functional blocks in logical design of IoT. **[5]**

c) List and explain Applications of Artificial Intelligence in Internet of Things. **[5]**

Q3) a) What is smart object? Write four defining characteristics of smart object. **[5]**

b) Explain IoT World Forum (IoTWF) architecture with neat diagram? **[5]**

c) Describe different Alternative IoT models. **[5]**

OR

Q4) a) Draw neat diagram of Expanded View of the Simplified IoT Architecture and describe Communications network layer in it. **[5]**

b) Write a note on sensor and actuator. **[5]**

c) Explain Cloud computing in IoT. **[5]**



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