No. of Printed Pages : 4
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223844

4th Sem / Artificial Intelligence & Machine Learning

Subject : Internet of Things

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 What is the real example of a smart grid device in Io T ?

a) Mobile phone b) Television

c) Smart speaker d) Smart meter

Q.2 Which of the following is not an application of Io T ?

a) Wearables b) Smart Grid

c) Arduino d) Smart city

Q.3 Which of the following Io T networks has a very short range ?

a) Short Network

b) LPWAN

c) Sigfox

d) Short-range Wireless Network

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 What are different communication models in IoT? Explain in details.

Q.24 Explain how IoT works. Writes the most common IoT applications.

Q.25 Explain the different challenges in IoT. Brief the design and development challenges in IoT.

Q.4 What is the Arduino UNO ?

a) Software b) Hardware device

c) Network d) Protocol

Q.5 Role of the cloud in smart grid architecture is _____.

a) Collect data b) Manage data

c) Store data d) Securtiy

Q.6 VNC stands for ____.

a) Virtual Network computing

b) Virtual Network computer

c) Virtual Network camera

d) Virtual Network Communication

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 The term IoT was coined in year?

Q.8 _____protocol used to link all devices in IoT.

Q.9 What is an IoT network?

Q.10 IaaS stands for.

Q.11 I2C stands for_____.

Q.12 The main purpose of the web of things (WoT) in IoT is.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What are the different components of IoT?

Q.14 Explain the challenges or risks associated with IoT.

Q.15 What is a Gas Sensor, and How does it Work?

Q.16 Explain how IoT works.

Q.17 What is physical design and logical design in IoT

Q.18 Explain Interfacing of Temperature and Humidity in Implementation of IoT.

Q.19 Explain the communication models of IoT.

Q.20 Write the Surveillance applications of IoT.

Q.21 Explain the light and gas Sensors.

Q.22 What are Actuators. Explain it.