Weekly Attendance Quiz Test


Attendance Quiz Test for 14<sup>th</sup> Week

| Problem | True or False | Explain if it's False |
|---|---|---|
| 1 | True | |
| 2 | True | |
| 3 | False | IoMT supports QoS for multimedia traffic. |
| 4 | | |
| 5 | | |

1. The Networked Society is a type of future ecosystem in which widespread internet connectivity drives change for individuals and communities. Connectivity means a device can digitally communicate with and transfer data to other systems through a real-time communication network (typically the internet). It is expected that people living in the Networked Society will be able to use connectivity to improve their lives and businesses. New services in digital healthcare, for example, will be driven by connectivity, mobility and cloud computing in the Networked Society.

2. While Cyber-physical systems (CPS) will bring advances in personalized health care, emergency response, traffic flow management, and electric power generation and delivery, as well as in many other areas now just being envisioned. CPS comprise interacting digital, analog, physical, and human components engineered for function through integrated physics and logic. It is a technology convergence of AI and ICT producing data.
Core ICT components for producing data include IoT for generating data, wireless communications for connecting IoT devices, cloud for storing data. and Big Data for analyzing data. They should be functionally supported well in a balanced way to utilize AI for various O2O multimedia application services. Applications include Smart Cities, Smart Grid, "Smart" Anything (e.g., Cars, Buildings, Homes, Manufacturing, Hospitals, Appliances)

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3. With the immersive growth of the Internet of Things (IoT) and real-time adaptability, quality of life for people is improving. IoT applications are diverse in nature and one crucial aspect of it is multimedia sensors and devices. These IoT multimedia devices form the Internet of Multimedia Things (IoMT). It generates a massive volume of data with different characteristics and requirements than the IoT. The real-time deployment scenarios vary from smart traffic monitoring to smart hospitals. Hence, Timely delivery of IoMT data and decision making is critical as it directly involves the safety of human beings. One of the limitations in IoMT is that it does not support QoS for multimedia traffic.