

### Corrigendum/Explanation PTS 2024 GS Simulator X

There is 1 update in the paper (Q.55)

- In Q.55, Option (a) is the correct answer.

**Q.55)** A doubt was raised whether the Internet of Things refers to a network of physically connected electronic devices.

**Exp)** It would be incorrect to say that The Internet of Things (IoT) is a network of physically connected devices rather a network of physical devices connected via internet.

**For Future references:**

**Q.55)** With reference to Emerging Technologies in contemporary times, consider the following statements:

1. Internet of Things (IoT) refers to a network of physically connected electronic devices to collect and exchange data over the Internet.
2. Web of Things (WoT) uses existing web standards for seamless communication between connected devices and web applications.
3. Cloud of Things (CoT) refers to a distributed computing framework in which the data is processed at the periphery network.

How many of the above statements are correct?

- a) Only one
- b) Only two
- c) All three
- d) None

**Ans) a**

**Exp) Option a is the correct answer.**

**Statement 1 is incorrect:** The Internet of Things (IoT) is a **network of physical devices (they donot need to be physically connected)**, vehicles, appliances, and other **objects that can collect, exchange, and analyze data over the internet**. These devices are also known as "smart objects" and can include mechanical and digital machines, consumer objects, and anything with a sensor assigned a unique identifier (UID).

**Statement 2 is correct:** Web of Things (WoT) uses **existing web standards to enable seamless communication between connected devices and web applications**. The WoT is a subset of the Internet of Things (IoT) that uses web standards to integrate and connect physical objects. The WoT's goal is to extend existing web techniques and tools to IoT networks, and to reuse existing web protocols to communicate.

**Statement 3 is incorrect:** Cloud of Things (CoT) relies on **cloud computing for data storage, processing, and analysis. It's not about local data processing on individual devices**. Cloud of Things (CoT) refers to integration of Internet of Things (IoT) with Cloud Computing (CC). Cloud of Things is a high-performance cloud-based IoT application platform which allows remotely monitor, manage and control the IoT enabled devices.

**Edge computing** is a distributed computing framework that brings enterprise applications closer to data sources such as IoT devices or local edge servers.

Source: <https://indianexpress.com/article/technology/tech-news-technology/internet-of-things-let-devices-do-the-talking/>

<https://www.ibm.com/topics/internet-of-things>

<https://www.w3.org/TR/wot-usecases/>

[https://medium.com/@arashtad/introduction-to-cloud-of-things-](https://medium.com/@arashtad/introduction-to-cloud-of-things-81213e8c79bf#:~:text=The%20Cloud%20of%20Things%20(CoT,adoption%20and%20overcome%20IoT%20challenges.)

[81213e8c79bf#:~:text=The%20Cloud%20of%20Things%20\(CoT,adoption%20and%20overcome%20IoT%20challenges.](https://medium.com/@arashtad/introduction-to-cloud-of-things-81213e8c79bf#:~:text=The%20Cloud%20of%20Things%20(CoT,adoption%20and%20overcome%20IoT%20challenges.)

