

# Questions

## Section 1 (4 marks per question)

Q1. Define the Internet of Things (IoT) and explain its key characteristics.

<b><i>Component</i></b>	<b><i>Marks</i></b>
Definition	1 mark
Explanation	2 marks
Example	1 mark

Q2. Describe the challenges faced by constrained devices in the IoT.

<b><i>Component</i></b>	<b><i>Marks</i></b>
Definition	1 mark
Explanation	2 marks
Example	1 mark

Q3. Explain the importance of security in IoT and provide an example of a potential security breach.

<b><i>Component</i></b>	<b><i>Marks</i></b>
Definition	1 mark
Explanation	2 marks
Example	1 mark

Q4. Define end-to-end security and explain why it is necessary in the IoT.

<b><i>Component</i></b>	<b><i>Marks</i></b>
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Definition	1 mark
Explanation	2 marks
Example	1 mark

Q5. Explain the limitations of existing security technologies for constrained devices in the IoT.

<b><i>Component</i></b>	<b><i>Marks</i></b>
Definition	1 mark
Explanation	2 marks
Example	1 mark

Q6. Describe the challenges posed by the diversity of devices and the size of networks in IoT security.

<b><i>Component</i></b>	<b><i>Marks</i></b>
Definition	1 mark
Explanation	2 marks
Example	1 mark

Q7. Explain the need for developing customized security solutions for specific applications in the IoT.

<b><i>Component</i></b>	<b><i>Marks</i></b>
Definition	1 mark
Explanation	2 marks
Example	1 mark