I5020 Computer Security

Quizz 1: Computer security principle

This assessment evaluates the following competencies:

- *CS001 – Understand the CIA triad and use it to explain the key objectives of computer security*
- *CS002 – Define and explain the basic security concepts and the relations between them*
- *CS204 – Discuss about general design principles for protection mechanisms*

Three affirmations are given for each assessed competency. For each of them, you have to decide whether it is true or false. To get a star for the competency, you must have the correct answer for the three affirmations.

CS001	True	False
Passwords leak is a threat to the A component of the CIA triad.	☐	☐
Putting a computer in a safe with a physical lock is a way to ensure the I component of the CIA triad.	☐	☐
An attack against a computer system cannot affect more than a single component of the CIA triad at the same time.	☐	☐

CS002	True	False
The main goal of a countermeasure is to identify the owner of an asset that has been attacked.	☐	☐
A threat is an agent whose goal is to cancel the effect of a countermeasure.	☐	☐
The owners of an asset want to decrease the risk it is subject to towards 0.	☐	☐

CS204	True	False
An administrator user should always receive all the privileges, without any exclusion, so that he/she can always operate the system correctly.	☐	☐
It is preferable to define blacklists of users that are denied the access to a computer system, than whitelist of authorised users.	☐	☐
Security measures are so important that they require very complex and large designs, that should therefore be largely documented.	☐	☐