Kingdom of Saudi Arabia
Ministry of Education
Imam Mohammed bin Saud Islamic University
Applied College
Cybersecurity program
Cybersecurity Design Principles (CYB0103)

Quiz

Name:………………………   ID:…………………….   Section#:….

Q1: Match the correct answer from column A to column B: 2 points

#	A	The answer	B
1	It means the need for knowing who changed or accessed what data and when.	**6**	Confidentiality
2	It means data is at hand in a timely manner.	**4**	Integrity
3	Login page, Encryption, Firewall, and Antivirus.	**2**	Availability
4	It means the information doesn't change or is only allowed to change in specific, authorized ways.	**1**	Traceability
5	Confidentiality, Integrity, Availability, and Traceability.	**5**	Security Concerns
6	It means keeping things secret.	**3**	Security Features

Q2: Put (T) for correct sentences and (F) for wrong sentences: 3 points

1) One of the Design approach advantages is that non-security experts can naturally write a secure code. (**T**)
2) A strong focus on Traditional approach lets you create code that's more secure compared to the Design approach. (**F**)
3) Cybersecurity protects all information assets, whether in hard copy or digital form. (**F**)
4) Implementing a login page to an application completely meets the information confidentiality concern. (**F**)
5) The Design approach creates a conflict between security and business concerns for developers. (**F**)
6) It's better to view security as a feature to implement than to view it as a concern to be met. (**F**)
7) Design is the guiding principle for how a system is built and is applicable on all levels, from code to architecture. (**T**)
8) It is easier for developers to achieve security through design because most developers understand and appreciate software design. (**T**)
9) Cybersecurity is a natural part of software development. (**F**)

Commented [R.1]: A strong focus on Design approach lets you create code that's more secure compared to the Traditional approach.

Commented [R.2]: Information security

Commented [R.3]: even when security features address a specific security problem, your concern about security may NOT have been met

Commented [R.4]: By focusing on design, business and security concerns gain equal priority.

Commented [R.5]: concern to be met than to view it as a feature to implement

Commented [R.6]: Design

All the best