**Name………………………………**

**Roll No…………………………….**

**Mar Baselios Christian College of Engineering & Technology, Peermade**

**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**

**B. Tech First Series Examination April 2022**

**Semester 8**

**Computer Science & Engineering**

**CS472: Principles of Information Security**

**Time: 2 hrs Total Mark: 40**

**PART – A**

***Answer all questions***

1. What are the Information Security components? Explain in detail. (4 marks)
2. [Explain in detail about the Access control matrix with neat diagram.](http://www.ktunotes.in/) (4 marks)
3. [Explain in detail about need of security functions.](http://www.ktunotes.in/) (4 marks)

***Answer any ONE question***

***Each question carries 8 marks***

1. [Explain the categories of Threat in detail.](http://www.ktunotes.in/)

***OR***

1. [What are the types of access control policies?](http://www.ktunotes.in/)

**PART – B**

***Answer all questions***

1. Explain concepts of security policy and security model. (6 marks)
2. Explain various elements used in Clark Wilson Model with a neat diagram. (6 marks)

***Answer any ONE question***

***Each question carries 8 marks***

1. Explain any security model preserving Confidentiality policy.

***OR***

1. Explain any security model preserving Integrity policy.