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**OPEN BOOK ASSESSMENT
MARCH SEMESTER 2021**

**INFORMATION SYSTEM SECURITY
(CSC2734)**

(TIME: 2 HOURS)

MATRIC NO. :

IC. / PASSPORT NO. :

LECTURER : **MANOJ GAUTAM**

GENERAL INSTRUCTIONS

1. This question booklet consists of 3 printed pages including this page.
2. Answer **ALL** questions in the **ANSWER BOOKLET**.
3. Please refer to following format while answering the Questions:
 - a. Answers should be in Font: Times New Roman and Font size: 12.
 - b. Write the Question number clearly.
 - c. Start new answer on a Fresh Page.

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(60 MARKS)

There are FIVE (5) questions in this section. Answer ALL Questions in the ANSWER BOOKLET.

1. Elaborate Information Security Risk in context to financial organization. To keep up with the competition, organization must design and create a safe environment in which business processes and procedure can function. To meet these objectives the principle of risk management are applied. Purpose **FOUR (4)** risk controlling strategies that any organization can choose to control risks.

(10 marks)
(CLO1:PLO1:C2)

2. From the information security perspective the termination of employee is laden with potential security pitfalls. Elaborate your idea on information security in employee termination.

(10 marks)
(CLO3:PLO2:C1)

3. Identifying risk and managing risk is one of the key responsibilities of every manager within organization.

- a. Explain Risk Identification process.

(10 marks)
(CLO2:PLO3:C3)

- b. Propose **FOUR (4)** risk control strategy.

(8 marks)
(CLO3:PLO2:C4)

- c. How OCTAVE approach is used to manage Risk.

(6 marks)
(CLO2:PLO3:C2)

4. Confidentiality of information ensures that only those with sufficient privileges may access certain information. To protect the confidentiality of information propose at least **FOUR (4)** measures.

(8 marks)
(CLO3:PLO2:C4)

5. Access control is a method by which systems determine whether and how to admit a user into trusted area of the organization. Purpose at least **FOUR (4)** access control architecture model to implement access control mechanism in an organization.

(8 marks)

(CLO3:PLO2:C4)

***** END OF QUESTIONS *****