考 試 科 目	管理資訊系統	系 所 別	資訊管理學系/資管組	考 試 時 間	2 月 7 日（五）第四節

Short Essay Questions:

1. Please describe the function of risk assessment and explain how it is conducted for information systems (20%).

2. What are the main strategic business objectives of information systems? How can firm create strategic business value from big data analytics? (20%).

3. Currently, QR Codes and Near Field Communication (NFC) systems both show increasing promise for mobile payment services. For example, the former systems enable users to access the information stored in a two-dimensional bar code, while the latter systems allow two devices to connect and share information in close proximity of each other. Nevertheless, they respectively have their own concerns regarding information security. Can you list and describe such concerns? (20%)

4. Autonomous vehicles have the potential to increase traffic efficiency and reduce traffic accidents. However, it is very difficult for autonomous vehicles to make moral decisions. For example, is it always acceptable for a self-driving car to avoid a scooter by swerving into a wall, considering that the probability of survival is greater for the rider of the scooter than for the passenger of the car? In your opinion, how can information systems help autonomous vehicles address such situations? (20%)

5. Blockchain technology uses distributed and open ledgers to provide a trust mechanism and intelligent data management, if desired without central control. Blockchain technology is thus generally expected to revolutionize information authentication and sharing. On the other hand, there are reports of blockchain security breaches, excessive energy consumption, and inadequate usability. Can you identify and describe any theories that support the proposition that the benefits of blockchain may (or may not) justify firm investment? (20%)

備　　　　註	一、作答於試題上者，不予計分。
	二、試題請隨卷繳交。