UNIVERSITI KUALA LUMPUR
BUSINESS SCHOOL

FINAL EXAMINATION
MARCH 2026 SEMESTER

COURSE CODE	:	EHB20203
COURSE TITLE	:	DISRUPTIVE INNOVATION AND FINANCIAL TECHNOLOGIES
PROGRAMME NAME	:	BACHELOR IN FINANCIAL TECHNOLOGY WITH HONOURS
DATE	:	25 JUNE 2026
TIME	:	9:00AM - 12:00PM
DURATION	:	3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper CAREFULLY.
2. This question paper is printed on both sides of the paper.
3. This question paper consist of TWO sections.
4. Answer ALL questions for Section A.
5. Section B consist of four questions. Answer THREE (3) questions only.
6. Please write your answer on the answer booklet provided.
7. Please answer all questions in English only.
8. Please answer MCQ/EMQ questions using OMR sheet. ☐ *Tick if applicable*
9. Refer to the attached Formula/ Appendices. ☐ *Tick if applicable*

THERE ARE 7 PAGES OF QUESTIONS INCLUDING THIS PAGE

SECTION A (Total: 40 marks)

Answer ALL questions.

Please use the answer booklet provided.

Question 1

Big Data, Artificial Intelligence (AI), and Machine Learning (ML) are advanced financial technologies that enable the processing and analysis of large, complex datasets to identify patterns, generate predictive insights, and support automated decision-making.

(a) Identify what are the common types of AI used in finance.

(4 marks)

(b) Elaborate the opportunities created by Big Data, AI and Machine Learning within the financial industry.

(4 marks)

(c) Explain how Big Data, AI, and ML helps in financial sector.

(2 marks)

Question 2

Blockchain technology is a decentralized digital ledger system that records transactions across multiple computers in a way that ensures transparency, security, and immutability. It is widely used in cryptocurrencies, e-wallet, supply chain management, and financial services to reduce the need for intermediaries and increase trust in data integrity.

(a) Define the E-Wallet Technology.

(2 marks)

(b) List the popular E- Wallet in Malaysia.

(2 marks)

(c) Identify one advantage of using blockchain in financial services.

(2 marks)

(d) Explain why decentralisation is an important feature of blockchain systems compared to traditional databases.

(4 marks)

Question 3

Cryptocurrencies are digital or virtual currencies that use cryptography for security and operate on decentralized blockchain networks. They are not controlled by any central authority, such as a government or central bank, and are used for online transactions, investment, and value transfer across borders.

(a) Explain the meaning of cryptocurrency.

(2 marks)

(b) List TWO (2) examples of cryptocurrency.

(2 marks)

(c) Analyse the concept of cryptocurrencies.

(6 marks)

Question 4

You have been advising your friend, Ali to use a Robo Advisor for his investments instead of depending only on human financial advice. Ali is now interested in learning more about Robo Advisor.
Based on this scenario, answer the followings:

(a) Define what is Robo Advisor.

(2 marks)

(b) Describe the Robo Advisor function.

(4 marks)

(c) Discuss the limitations of Robo Advisor.

(4 marks)

SECTION B (Total: 60 marks)

Answer THREE (3) questions only.

Please use the answer booklet provided.

Question 1

A traditional retail bank has operated for many years by providing in-branch services such as account opening, money transfers, and loan applications. Recently, a FinTech startup introduced a mobile banking application that allows customers to perform all these services instantly through their smartphones, with lower fees and there is no need to visit a physical branch. As a result, many customers have started switching to the FinTech platform, causing a decline in the bank's branch usage.

(a) Describe the concept of disruptive innovation

(2 marks)

(b) Analyse the importance of disruptive innovation in modern industries.

(8 marks)

(c) Analyse how disruptive innovation influences the evolution of FinTech.

(10 marks)

Question 2

Disruptive innovation refers to a new technology or idea that significantly changes or replaces existing products, services, or industries by offering simpler, cheaper, or more accessible alternatives.

(a) Define what is disruptive innovation.

(2 marks)

(b) Justify why disruptive innovation is important.

(8 marks)

(c) Evaluate how disruptive innovation drives financial technology.

(10 marks)

Question 3

Islamic Finance is a system of banking and wealth management that adheres to Shariah (Islamic Law) where the focus is on ethical investing, fairness, and risk-sharing, rather than interest-based lending.

(a) Determine the concept of Islamic FinTech.

(6 marks)

(b) Justify how technological innovations (FinTech) in Islamic banks can offer services that are both efficient and compliant with the ethical and moral standards outlined according to the Shariah principles.

(4 marks)

(c) Analyse the core Islamic Principle in FinTech and Islamic Financial Products and Wealth Management.

(10 marks)

Question 4

Cybersecurity in FinTech refers to the protection of financial systems, digital platforms, and customer data from cyber-attacks, fraud, and unauthorised access.

(a) Describe why financial sector are heavily protected by cybersecurity.

(6 marks)

(b) Explain the concept of cybersecurity in FinTech.

(6 marks)

(c) Justify the importance of cybersecurity in FinTech industry.

(8 marks)

END OF EXAMINATION PAPER