FreeExams.co.ke

UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR

END OF SEMESTER EXAMINATIONS
FIRST YEAR FIRST SEMESTER

FOR DOCTOR OF PHILOSOPHY IN
(INFORMATION TECHNOLOGY)

COURSE CODE: PIT 911

COURSE TITLE: ADVANCES IN INFORMATION TECHNOLOGY MANAGEMENT

DATE: 16/08/ 2023   **TIME: 8.00 A.M -11.00 A.M**

INSTRUCTIONS

ANSWER ANY THREE QUESTIONS.

QUESTION ONE [20 MARKS]

Cloud computing has become an integral part of modern business operations, providing a wide range of benefits to organizations across different industries. Discuss the impact of cloud computing technology on businesses, focusing on its advantages, challenges, and potential future developments.

QUESTION TWO [20 MARKS]

Biometric technology has emerged as a transformative force in various aspects of modern life, from personal devices and security systems to healthcare and immigration control. Explore the benefits and ethical implications of biometric technology.

QUESTION THREE [20 MARKS]

Block chain technology has gained significant attention in recent years, going beyond its association with cryptocurrencies like Bitcoin. Its decentralized, transparent, and immutable nature presents a wide array of potential applications across various industries. Discuss the impact of block chain technology by stating the potential transformative power it holds.

QUESTION FOUR [20 MARKS]

The Internet of Things has been rapidly expanding its presence in various domains including urban environments where it holds significant potential to transform cities into smart, interconnected ecosystems. Discuss the impact of Internet of Things on smart cities with a focus on how it contributes to enhancing urban sustainability and improving the overall quality of life for residents.

QUESTION FIVE [20 MARKS]

The advent of 5G networks has ushered in a new era of connectivity, promising faster data speeds, lower latency, and greater capacity than its predecessors. Discuss the evolution and implications of 5G networks, exploring how this transformative technology impacts various aspects of connectivity, technology development and society as a whole.