BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF COMMERCE

DEPARTMENT OF BANKING AND FINANCE

BANKING INFORMATION SYSTEMS (BS243)

DURATION: 3 HOURS

JUN 2025

INSTRUCTIONS TO CANDIDATES

1. Answer any **four** questions.

2. All questions carry equal marks.

3. Non programmable calculators can be brought into the examination

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QUESTION ONE

a) Examine the need of data analytics and business intelligence tools in the operations of banks in Zimbabwe (12)

b) Explain the three network topologies that can be implemented by banks for information processing (13)

[25 marks]

QUESTION TWO

a) 'Networks and internet failures have cost both the banks and its customers', Discuss with the aid of examples (15)

b) Explain five (5) cards that are issued by banks in Zimbabwe and explain the reason for them having expiry dates (10)

[25 marks]

QUESTION THREE

a) Clearly describe five characteristics of a valuable information (10)

b) Examine any five banking information attributes (10)

c) State any five types of artificial intelligence systems (5)

QUESTION FOUR

a) Describe the components of decision support system in the bank. (9)

b) Examine the advantages of outsourcing and end user computing (8)

c) Describe the systems development life cycles. (8)

[25 marks]

QUESTION FIVE

a) Examine the methods that a bank can use to secure its information from cyber-attacks (10)

b) Describe the importance of information systems in the bank (8)

c) Examine the security measures which banks have put in place for its customers who use digital banking. (7)

[25 marks]

QUESTION SIX

Writes notes on the following:

i. Cloud computing (5)

ii. Artificial intelligence (5)

iii. Digital transformation (5)

iv. Electronic payments (5)

v. Data base (5)

[25 marks]

END OF EXAMINATION