

BINDURA UNIVERSITY OF SCIENCE EDUCATION

FACULTY OF COMMERCE

DEPARTMENT OF BANKING AND FINANCE

BANKING INFORMATION SYSTEMS

BS243

TIME: 3 HOURS

EXAMINATION

INSTRUCTIONS TO CANDIDATES

- 1. Answer questions one and any other Three.**
 - 2. Each question carries 25 Marks.**
 - 3. Start each question on a fresh page.**
 - 4. No cell phones are allowed in the examination room.**
 - 5. Credit will be given for grammatically well-constructed answers.**
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OCT 2022

QUESTION ONE

- a) Explain the functions of the following components;
i) Cloud computing (5)
ii) Control Unit (5)
 - b) Discuss the factors one should consider when selecting input devices of a banking information system. (15)
- [25 Marks]**

QUESTION TWO

- a) Distinguish between application software and operating system software (10)
 - b) Why would the knowledge of application software and operating system software be of any use to a manager of a banking corporation? (15)
- [25 Marks]**

QUESTION THREE

- a) Compare and contrast a LAN to a WAN. (10)
 - b) Discuss the benefits of implementing big data technologies in banks. (15)
- [25 Marks]**

QUESTION FOUR

- a) Define a computer virus and explain how it can disrupt the computer's communication role. (10)
 - b) How can a bank safeguard its computers from viruses (15)
- [25 Marks]**

QUESTION FIVE

- a) Frikkie Banking Corporation wants to store information about their employees on their database. The company wishes to capture such information as; home address, dates of joining the company, telephone numbers as well as sex. You are required to develop a database capturing the above information using;
- i) relational approach (5)
 - ii) hierarchical approach (5)
- b) Discuss the various issues that should be covered by a banking database management system (15)
- [25 Marks]**

QUESTION SIX

- a) List and explain five different network topologies. (10)
- b) Using examples of your choice, discuss the various benefits that a bank can derive from using the internet. (15)
- [25 Marks]**

END OF PAPER