



**ZIMBABWE EZEKIEL GUTI UNIVERSITY**

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**FACULTY OF SCIENCE, TECHNOLOGY, AGRIC AND FOOD  
SYSTEMS DEVELOPMENT**

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**DEPARTMENT OF DIGITAL TECHNOLOGY AND INFORMATION SYSTEMS**

**EXAMINATION PAPER**

**COURSE CODE** : **BIS 422**  
**COURSE TITLE** : **Enterprise Architecture**  
**SPECIAL REQUIREMENTS** : **None**  
**DURATION** : **3 Hours**  
**LEVEL** : **4.2**  
**DATE** : **26 SEP 2024**

**INSTRUCTIONS TO CANDIDATES:**

1. The question paper has 5 questions.
2. Answer all 5 questions.
3. Each question carries 20 marks

### Question 1

a. Explain the following terms

[10]

- i. · Blueprint.
- ii. · Viewpoint.
- iii. · Deliverables.
- iv. · Architecture Governance.
- v. · Standards and Policies.

b. Justify why the business strategy can not solely be the bases for architecture planning

[10]

### Question 2

a. How does Enterprise Architecture support digital transformation initiatives within an organization?

[10]

b. Explain the importance of understanding the people's side of enterprise architecture.

[10]

### Question 3

a. Explain the Enterprise capability framework?

[10]

- b. Explain the roles of technology architecture within the broader framework of enterprise architecture.

[10]

**Question 4**

Compare Zachman Framework and TOGAF, consider the following elements.

Purpose and focus [6]

Structure [4]

Methodology [4]

Scope and Usage [6]

**Question 5**

- a. What are the key considerations when implementing Internet of Things (IoT) technologies in an enterprise's architecture? [10]
- b. How can IoT impact business processes and decision-making? [10]

**END OF PAPER**

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