



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF DIPLOMA IN BUSINESS**  
**ADMINISTRATION**  
**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2017/2018 ACADEMIC YEAR**  
**NAIROBI CITY LEARNING CENTRE**

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**COURSE CODE: BBM 2126**

**COURSE TITLE: BUSINESS SYSTEM ANALYSIS**

**EXAM VENUE:**

**STREAM:**

**DATE:**

**EXAM SESSION:**

**TIME:**

**INSTRUCTIONS:**

- 1. Answer Question One and any other Two Questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

## QUESTION ONE

- a) Differentiate between the following terms:
  - i) A system and Information system (2marks)
  - ii) System analysis and System design (2marks)
  - iii) Information and Data (2marks)
- b) State any four ways of developing a system (4marks)
- c) Explain any four challenges of using information systems (4marks)
- d) Draw and explain basic system component of an organization information system (4marks)
- e) Discuss different phases that a system designer has to go through during system development life cycle (12marks)

## QUESTION TWO

- a) By using a diagram, explain four types of information systems that serves different organization levels (10marks)
- b) Explain any five characteristics of Executive Support Systems as used in information system business (10marks)

## QUESTION THREE

- a) Define the term Prototyping (2marks)
- b) Explain four benefits of using prototyping during system development (8marks)
- c) Discuss any five computer security areas that involves protection of data against accidental or deliberate threats which might cause unauthorized modification or destruction of data and information (10marks)

#### **QUESTION FOUR**

- a) State and discuss any five major types of business information systems (10marks)
- b) Explain five main differences between management information systems (MIS) and decision support systems (DSS). (10marks)

#### **QUESTION FIVE**

- a) State and explain four effective security management of e-business systems that can minimize errors, fraud and losses in internet worked computer-based systems that interconnects today's e-business enterprises (8marks)
- b) Discuss six benefits of using information system in sector across the world. (12marks)



