



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
UNIVERSITY EXAMINATION FOR THE DEGREE IN BACHELOR OF SCIENCE
BUSINESS INFORMATION SYSTEMS
2ND YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: ITB 2202

COURSE TITLE: INFORMATION REQUIREMENTS DEFINITION AND MANAGEMENT

VENUE: CL II

STREAM: BIS

DATE: 22/04/2024

EXAM SESSION: 14.00 – 16.00 PM

TIME: 2.00 HOURS

INSTRUCTIONS:

- 1) Answer QUESTION ONE (Compulsory) 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**
- 4) Mobile phones are NOT allowed in the examination room.**

QUESTION 1 (30 Marks)

- a) Why is it crucial for organizations to have a clear understanding of their information requirements? (6 marks)
- b) What components are included in an information requirements document? (6 marks)
- c) Why is it important to consider both internal and external sources when identifying information needs? (6 marks)
- d) State and explain three common technique used in data analysis during Information Requirements Analysis. (6 marks)
- e) Why are Key Performance Indicators (KPIs) important in the context of Information Requirements Analysis? (6 marks)

QUESTION 2 (20 Marks)

- a) Provide three example of a situation where effective Information Requirements Analysis, including data modeling and process modeling, can lead to organizational improvement. (6 marks)
- b) Discuss How can organizations effectively manage their information requirements to enhance overall performance? (10 marks)
- c) How often should organizations review and update their information requirements? (4 marks)

QUESTION 3 (20 Marks)

- a) Discuss any five prioritization techniques commonly used in information requirements management. (10 marks)
- b) Discuss any five validation method used during information requirements. (10 marks)

QUESTION 4 (20 Marks)

- a) How can organizations handle conflicting information requirements effectively? (10 marks)
- b) Discuss strategies for managing change in information requirements (10 marks)

QUESTION 5 (20 Marks)

- a) How can organizations ensure the traceability of information requirements throughout the SDLC? (5 marks)
- b) What challenges might organizations face when integrating information requirements into the SDLC, and how can these challenges be mitigated? (5 marks)
- c) At which stage of the SDLC should information requirements be identified, and why? (5 marks)
- d) What is the purpose of Information Requirements Management Tools? (5 marks)