



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS
DEPARTMENT OF COMPUTER SCIENCE & SOFTWARE ENGINEERING
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN
SECURITY AND FORENSICS
3RD YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR
MAIN CAMPUS

COURSE CODE: IIS 3317

COURSE TITLE: BUSINESS PROCESS ANALYSIS AND DESIGN

EXAM VENUE: STREAM: COMPUTER SECURITY & FORENSICS

DATE: EXAM: December

TIME:

INSTRUCTIONS

- 1. Answer Question 1 (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**

QUESTION ONE (30 MARKS)

- a) Differentiate between Business process analysis and business process redesign. [4 marks]
- b) Discuss briefly any five characteristics of business processes [5marks]
- c) Differentiate between flow chart, use-case and DFD [6 marks]
- d) Discuss briefly any five types of Business information system that can be implemented in an organization [6marks]
- e) using neat diagrams explain the components of a business process stages [5 marks]
- f) differentiate between business process and business process model [4 marks]

QUESTION TWO (20 MARKS)

- i. Describe the various teams, committees, and individuals that play a role in one BPR methodology. What is the role of each? [6 Marks]
- ii. Briefly explain why many “strategic information systems” are not really very strategic at all. [4 Marks]

- a) explain the business process lifecycle (10 marks)

QUESTION THREE (20 MARKS)

- a) New systems developed in-house frequently require a complex suite of programs. During the development of the system, testing will take place at different levels and at different times. Discuss FOUR different types of Implementation that could take place. [8 Marks]
- b) Describe the six categories of BPR tools. Choose one and give details on how such tools might improve a BPR project. [8 Marks]
- b) Discuss four reasons why business process reengineering is likely to fail [4 Marks]

QUESTION FOUR (20 MARKS)

- a) Discuss each of the five levels of IT-enabled business transformation. Give examples of each. [10 Marks]
- b) Strategic decision making calls for process modelling to find out what is the right alternative for organizational change. What are the four conditions for good decision support systems? [8 Marks]
- c) Outline any two skill required of project manager [2 Marks]

QUESTION FIVE (20 MARKS)

- a) Explain why business network redesign is not just electronic data interchange (EDI). [4Marks]
 - b) Describe the three basic types of benchmarking. [6 Marks]
 - c) Briefly explain how functions or processes to be benchmarked can be selected [5 Marks]
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- a) Outline the steps of the waterfall model [5 Marks]