

MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

SECOND YEAR FIRST SEMESTER EXAMINATION FOR

DIPLOMA IN INFORMATION SCIENCE (TVET)

SYSTEM ANALYSIS AND DESIGN

DATE: 4/6/2021 TIME: 11.30-2.30 PM

INSTRUCTIONS:

ANSWER ALL THE QUESTIONS

1.	a)	Descri	(10 marks)	
	b)	Highlights on two types of information systems.		(10 marks)
2.	a) Identify the five main components of a system.			(10 marks)
	b)	Classi		
		i.	Open	(2 marks)
		ii.	Closed	(2 marks)
		iii.	Adaptive	(2 marks)
		iv.	Probabilistic	(2 marks)
	c)	Define the term 'system'.		(2 marks)
3.	State f	five properties of a system. (10		
4.	Explai	in the system development lifecycle. (2		
5.	a)) Formulate an information systems project with terms of reference.		
	b)	Identif	(10 marks)	