

UNIVERSITY EXAMINATIONS 2022/2023 ACADEMIC YEAR

SUPPLEMENTARY/SPECIAL EXAMINATIONS SECOND YEAR SECOND SEMESTER FOR THE DIPLOMA IN

(INFORMATION TECHNOLOGY)

COURSE CODE: DIT 074

COURSE TITLE: INTRODUCTION TO

SOFTWARE ENGINEERING

DATE: 09/08/2023 TIME: 11.00 AM - 1.00 P.M

INSTRUCTIONS TO CANDIDATES
ANSWER QUESTIONS ONE AND ANY OTHER TWO.

QUESTION ONE (COMPULSORY) [24 MARKS]

	a.	Def	[6 marks]	
		i.	software engineering	
		ii.	software process	
		iii.	SDLC	
	b.	Give	e reasons why software Engineering is important	[6 marks]
	 c. SDLC provides a series of steps to be followed to design and develop product efficiently. Highlight these steps. d. What is the difference between software engineering and system 			[10 marks]
				[2 marks]
			QUESTION TWO [18 MARKS]	
a.	a. Software is tested on various levels, discuss levels of testing in software engineering			
b. c.				[10 marks] [4 marks] [4 marks]
			QUESTION THREE [18 MARKS	
a. b.	What is software maintenance? Discuss four types of maintenance			[2 marks]
c.				
	types of documents that a well-maintained documentation should have.			[8 marks]
			QUESTION FOUR [18 MARKS]	
a.	What	is dat	a flow diagram	[2 marks]
b.) F			[4 marks]
C.	Discuss and differentiate Waterfall model and iteration model as used in software engineering			
d.	process Highlight reasons for the failure of waterfall model			[8 marks] [4 marks]
			OLIECTION FIVE (10 MADIZE)	
	C.	C	QUESTION FIVE [18 MARKS]	
a.				[5 marks]
b.	O di FOLID di di di di			[5 marks]
C.	Outil	ne re	OUR quality autibutes of a good software	[8 marks]