University of Ruhuna-Faculty of Technology

Bachelor of Engineering Technology Honors Degree
Level I (Semester I) Examination, June/July 2023
Academic year 2021/2022

Course Unit: TMS1132 Computer Fundamentals and PC Applications (Written)

Duration: 1 hour

liferiting times (0.1); functional groups of system beases

Wate down five (65) main functions of an operating system

IMPORTANT INSTRUCTIONS:

- 1. The medium of this examination is English.
- 2. This is a closed book examination.
- 3. This question paper contains two (02) pages including this instruction page.
- 4. This examination consists of two (02) questions that are given equal marks.
- 5. All symbols have their usual meanings.
- 6. Answer all the questions.

1)				
	a)	Define the two terms "data" and "information".	(04 marks)	
	b)	State two (02) types of technologies of multimedia projectors and lis	t two (02) features	
		for each.	(06 marks)	
	c)	Name three (03) access methods of storage devices?	(06 marks)	
	d)	Explain three (03) main operations of the Central Processing Unit (CPU).		
		ompuler Fundamentals and PC Applications (Written)	(09 marks)	
	e)	List down five (05) components of a computer system.	(10 marks)	
	1)	Draw the instruction cycle and briefly describe the fetch cycle.	(10 marks)	
	g)	What are the two (02) types of computer memory? Write down two (02 memory type.		
			(10 marks)	
	h)	Identify three (03) functional groups of system buses and briefly de	the second secon	
		them	(15 marks)	
	1)	Write down five (05) generations of computer and describe the techno	STATE OF THE RESERVE OF THE PERSON NAMED IN	
	*1	generation.	(15 marks)	
	j)	Strong test with in the contract absolute and testing the contract of the cont		
			(15 marks)	
		sists of two (UZ) questions that me given equal dearls.	nos portantmens su	
2)				
	a)	Name three (03) modulation techniques and describe briefly one of them.		
		200	(12 marks)	
	b)	List three (03) pros and three (03) cons of Peer-2-Peer Network.	(12 marks)	
	c)	Identify three (03) commonly used network topologies.	(12 marks)	
	d)	Draw the client/server structure of a web and briefly describe it.	(10 marks)	
	e)	Mention three (03) key security objectives of computer security.	(06 marks)	
	f)	State three (02) challenges of computer security.	(06 marks)	
	g)	What are the five (05) types of malwares?	(10 marks)	
	h)	Write down five (05) main functions of an operating system.	(15 marks)	
	i)	Briefly describe the file management of an operating system.	(05 marks)	
	j)	Give two (02) advantages and two (02) disadvantages of a Client/Server Network.		
			(12 marks)	

.....End of the paper.....