

DICT LEVEL I

INTRODUCTION TO COMPUTING

MOND	Time Allowed: 3 hours.			
Answer	ALL qu	estions. Marks allocated to each question are shown at the end of the question.		
QUEST (a)	TON ON (i)	(2 marks)		
	(ii)	Summarise two reasons why it is important to install device drivers when integratin	g hardware devices. (2 marks)	
(b)	Citing fo	our reasons, justify why a local supermarket might seek to automate is operations.	(8 marks)	
(c)	Describ	e four data collection methods that could be used by an organisation.	(8 marks) (Total: 20 marks)	
QUESTION TWO (a) Distinguish between the following terms as used in computer systems:				
	(i)	"Workstation" and "server".	(4 marks)	
	(ii)	"Interrupt request" and "direct memory access".	(4 marks)	
(b)	In an information communication technology (ICT) seminar, one of the facilitators noted that "unfortunately, some companies do not know where to start when it comes to addressing the common information technology (IT) security threats that exist".			
	Require (i)	ed: With reference to the above statement, analyse three steps that a company couninformation technology security threats.	ald take when addressing (6 marks)	
	(ii)	Describe three consequences of information security threats to an organisation.	(6 marks) (Total: 20 marks)	
QUEST	TION TH			
(a)	Citing a	n example in each case, distinguish between a "port" and a "slot".	(4 marks)	
(b)	Discuss	three reasons why companies are adapting the new trend referred to as "bring your o	own device (BYOD)". (6 marks)	
(c)	Touch s	creens have become a common method of capturing data especially with portable de	vices.	
	Identify	two advantages and two disadvantages of this method of input.	(4 marks)	
(d)	One of t	the components of an information system is feedback.		
	Explain	three reasons why feedback is important.	(6 marks) (Total: 20 marks)	

QUEST (a)	Γ ΙΟΝ F Ο Summa	OUR arise four roles of an information technology operations manager.	(4 marks)		
(b)	Discus	(4 marks)			
(c)	Analys	(6 marks)			
(d)	Explair				
	(i)	Data bus.	(2 marks)		
	(ii)	Address bus.	(2 marks)		
	(iii)	Control bus.	(2 marks) (Total: 20 marks)		
QUES (a)	FION F	IVE e four limitations of the first generation computers.	(4 marks)		
(b)	Analyse three advantages of online data processing systems over offline data processing systems. (6 ma				
(c)	Examine four functions of the human resource management information system at the strategic level of management (4 ma				
(d)	In an article that was printed in one of the local dailies, the author noted that, "ICT has impacted the society both positively and negatively over the last decade. Negative impact has been as a result of health and safety issues associated with the widespread use of computers and other ICT related devices".				
	Requi (i)	Describe three health related problems that might arise from use of computers.	(3 marks)		
	(ii)	Propose three ways of mitigating the health related problems identified in (d) (i) above.	(3 marks) (Total: 20 marks)		
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