Index Number:	
AMERICA I THE MILE OF THE PARTY	 

## Eastern University, Sri Lanka Faculty of Commerce and Management Second Year - Second Semester Examination in BBA/BCom - 2016/2017 January-2019 (Proper/Repeat) MGT 2063 Management Information System

Time: 03 Hours

Answer All Five (5) Questions.

Answers have to be given in this question paper.

Number of Pages: 13

Only for Examiners Use			
Question	Allocated Marks		Actual Marks (2 <sup>nd</sup> Examiner)
Q1	20		
Q2	20		
Q3	20		
Q4	20	3	
Q5	20	•	
Total	100		

Index	Numb	er:			
-------	------	-----	--	--	--

## Q1. Read the following Case Study and answer the questions given below. Toyota Motor Europe

Toyota Motor Europe (TME) manages the sales, marketing, engineering, and a network for Toyota and Lexus vehicles in Europe. TME is based in Brussek! Founded in 1963, TME sales peaked at 1.3 units in 2007, and ran about 900,000 units TME employs about 95,000 people. TME coordinates 3,100 sales outlets or dealer nine manufacturing plants.

With millions of consumers in Europe who have purchased Toyota cars in the last providing a consistent repair and maintenance service to customers was always at Repair and maintenance manuals had been replaced by personal computers in the 2000s. These early computerization efforts simply automated the traditional prints but had the advantage that they could be updated by distributing disks to the set. One problem: some outlets did not update their PCs in a timely fashion, and there for TME management to manage the upgrade process.

TME changed its approach to maintenance as onboard computers and so introduced into Toyota vehicles. These onboard computers could gather and storic from vehicle sensors. The vehicle data could be analyzed by PCs at dealest provided dealerships with over 3,500 new PCs running up-to-date softward immediately analyze a customer's car engine performance, and provide critical and repair information and recommendations to local mechanics.

While this change in approach was a vast improvement, management did not have for how to manage these 3,500 computers, or to know if local outlets were use versions of the software. In fact these PCs remained outside the TME firewall, at essentially stand-alone computers as in the past. Thus, it was impossible for have know if dealers were providing the same quality of service to customers, or to know PCs were free of viruses and operating appropriately. One partial solution was IT staff to the dealerships to install software updates, check for viruses, and advise on new techniques. But this was wasteful and time-consuming.

Management decided to use a cloud-based solution from Microsoft called Wind Intune allows central IT staff to run PC management tasks remotely. New some installed, virus protection programs run, and the status updated. Each local PC Internet connection, and standard browser. The local PC downloads a client reprogram. The client sends information on the PC to central IT staff.

Compared to building their own system to manage its PCs, TME found the improcess was more efficient. TME sent each dealership an installation package, the corporate TMW Web site. Dealerships would establish a link to the W download the dealership software. The Windows Intune interface is easy to use only a few hours of training.

Rather than spend on building their own IT infrastructure and software to made dealers' PCs, the Intune cloud-based model provides a far less expensive position (demand computing) model, and there are no additional hardware or software maintenance costs. TME believes it saved over €1 million in infrastructure and

nde	ex Number:					
	costs over a three-year period. The free because of their investment objectives were also achieved succests.	nt in a coordi	nated, cloud-	based solution.	. Other managem	ent
(a)	Case Study-True or False Qu		1	•		8
1.	The experience of Toyota Mot running a business today.	tor Europe 11	lustrates the	importance of	cloud computing	ın
	(A)	True				
	(B)	False				
2.	According to the case study, the performance.	right technol	ogy at the rig	ht price can imp	prove organization	nal
	(A)	True				
	(B)	False				
3.	X 10	contemporar; ecurity, and r	y cloud techn educe operat	ology infrastruc	cture to improve t	the
	(A)	True				
	(B)	False				
4.	According to the case study, T vehicles using embedded comp supported its 3,100 dealers.  (A) (B)	puters in veh True False	niged as end	ition, it needed	of now to maintail did to change how	it
5.	According to this case study, r they were able to rely instead or (A)	rather than se n the cloud-b True	nding expens ased solution	sive staff meml to provide supp	bers to each deal port.	er,
	(B)	False				
					(10 Marl	cs)
) 1.	Case Study Questions: Give be Identify three (3) main business				игоре.	7. NB250
	Amanian		<del>.</del>		(03 Mark	cs)
	Answer:					
	1			*************	CHERTER	
	2					
	3	n fæ		s <sup>1</sup>		
					*********	
2.	List out two (2) main information	<i>on systems</i> us	sed by manag	ement in this ca	ase study. (02 Mark	(a)
	Answer:				(UZ FIAIR	10 J
	1					
	2					

Index	Number:
3.	What types of the strategic business objectives of information systems have been achieve mainly in this case study?  Answer:
	riiones.
4.	How does technology help Toyota Motor Europe solve its own business problems? Brid
	explain.
	(03 Mark
	Answer:
	(Total 20 Mark
Q2.	
(a) 1.	Fill in the blank questions: By using most appropriate concept(s) or word(s).  Information technology (IT) consists of all the hardware and software that a firm needs to a software that a so
	in order to achieve its
2	The to information systems emphasis
2.	mathematically based models to study information systems, as well as the physical mathematically based models to study information systems.
	technology and formal capabilities of these systems.
2	
3.	Firms use
	integrate business processes in manufacturing and production, finance and accounting
	and marketing, and human resources into a single software system.
4.	
	collect (or retrieve), process, store, and distribute information to support
	in an organization.
5.	refers to the use of digital technology and the Inter-
٠.	to execute the major business processes in the enterprise. It includes activities for the interpretation of th
	management of the firm and for coordination with suppliers and other business partner.
	(05 Mar)

nae	ex Number:	
(b)	True or False Questions:	
1.	An international information systems architecture consists of the sophisticat information systems required by organizations to coordinate worldwide trade and oth activities.	
	(A) True	
	(B) False	
2.	Building a successful e-commerce presence requires a keen understanding of busine technology, and social issues, as well as a socio-technical approach.	SS
	(A) True	
	(B) False	
3.	The information systems department is responsible for maintaining the hardware, softward data storage, and networks that comprise the firm's IT infrastructure.  (A) True	re
	(B) False	
4.	End users are representatives of departments inside of the information systems group for whom applications are developed. These users are playing an increasingly large role in the design and development of information systems.  (A) True  (B) False	
5.	The Value Chain Model highlights specific activities in the business where competiti strategies can best be applied (Porter, 1985) and where information systems are most like to have a strategic impact.  (A) True  (B) False	
	(05 Mark	S
	To deliver genuine benefits, information systems must be built with a clear understanding the organization in which they will be used. <i>What</i> are the central organizational factors to considered when planning <b>a new system</b> ?	0
	(05 Mark	S
	Answer:	
	1	
	2	
	3	
	4	
	5	

it types of presence.	ist out and briefly explain the fo
W) = = = 10 m	
	(05 M
r a e	3
7.80	
	* *************************************
······································	
	2 2 2 2 3
r i i i i i i i i i i i i i i i i i i i	(Total 20 M
lowing table provides ten (10) concepts and their	
The second secon	
The state of the s	
	Contain
	Systems
Cloud computing Business Processes Complementary Assets Strategic Business Objectives of Information Collaboration and Social Business Information Systems A Digital Dashboard A Digital Firm Decision Support System	Systems
	lowing table provides ten (10) concepts and the    Concepts or Themes     Information Technology     Cloud computing     Business Processes     Complementary Assets     Strategic Business Objectives of Information     Collaboration and Social Business     Information Systems     A Digital Dashboard

		13
(b)	How "A" improves "C"? Briefly explain in the given spaces.	(0.00 )
	Answer:	(03 Marks
(c)	A delivers graphical overview of key	performance
	indicators, comprehensive and accurate information for decision making of particular display, which helps managers' quickly spot areas that need attention	often using a
	1 spot areas that need distinct	(02 Marks)
d)	Which dimensions of a Digital Firm are highly related and the control of the cont	
ш,	Which dimensions of a Digital Firm are highly related or matched with Collab Social Business"	oration and
	Answer:	(02 Marks)
	1	
	2	
:)	List out three (3) different types of services of "B".	200 N F N
	Answer:	(03 Marks)
	1,	
	2	******
	3	
1	Indicate any five (5) dimensions of "C".	
,	material any five (3) differisions of C.	(05 Marks)
	Answer:	( /
	1	
	2	
	3	
	4. ,	
	5	
	6	

Index	Number:	
(g)	Indicate three (3) types of Complementary Assets required to of Information Technology investments.	otimize returns (03 M
	Answer:	(05 II
	1	
	2	
	3	
		(Total 20 M
Q4.		α ι ι
(a)	Develop a Competitive Forces Model for IT Infrastructure and brie	ily explain abou (06 M
	Answer:	
		<i>y</i> '
	*	

Inde	x Number:			
inde.	Trumos, Time			
(b)	True or False Questions:			
1.	Contemporary digital network	ks and the Internet ar	e based on three	key technologies:
	client/server computing, the u	se of packet switching,	and the developme	ent of widely used
	communications standards for	linking disparate netwo	rks and computers.	
	(A)	True	<i>*</i>	
	(B)	False		
2.	A Local Area Network (LAN	) is designed to connec	personal computer	rs and other digital
	devices within a half-mile or 10			and the first seeing the first section of the first
	(A)	True	8	
		False		
3.	The DBMS may not enable the		te data redundancy	entirely, but it can
	help control redundancy.			, , , , , , , , , , , , , , , , , , , ,
		True		
	(B)	False		
4.	An Internet Service Provid		cial organization	with a temporary
	connection to the Internet that s	MODEL MANAGEMENT STATE STATE CONTRACTOR CONTRACTOR	personal come possesses protects protects and the protect of the personal p	AND AND ALL VALUE OF THE PROPERTY OF THE PARTY OF THE PAR
	(A)	True	iono to retair baober	iocis.
	(B)	False		
		Taise		
5.	A security policy consists of	statements ranking info	rmation risks, iden	itifying acceptable
	security goals, and identifying			
	(A)	True	<i></i>	
	(B)	False		
				(05 Marks)
c)	What are the issues and technical	al alternatives to be cons	sidered when develo	
150	information systems?	-		75
				(05 Marks)
	Answer:			
	#			************
				*****
			Ÿ	76
			·····	
				***************************************
- 15				
10				

			••••••	
				KOSON BE MAN BE
(d)	Br	iefly	explain about at least five (5) ethical issues which are related	with informations
(-)				
	OI	lect.	nnology usage in an organization.	5 x C 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				(05 M
		1		*
		1.		, , , , , , , , , , , , , , , , , , , ,
				2.9
			t A n n n n	
		2.		
		10000		
				3 =
		~		
		3.		
		1		
		4.		
		5.		d
			.\$	
			.7	

Index Number:.....

Q5.	
(a)	Fill in the blank questions: By using most appropriate concept(s) or word(s).
1.	a new networking approach in which many of these control functions are managed by one central program, which can run on inexpensive commodity servers that are separate from the network devices themselves.
2.	A
3.	are very simple devices that connect network components, sending a packet of data to all other connected devices.
4.	A is a communications processor used to route packets of data through different networks, ensuring that the data sent gets to the correct address.
5.	A new data analysis technology calledhas given both the government and the private sector even more powerful profiling capabilities.  (05 Marks)
(b)	True or False Questions:
1.	A database is a collection of data organized to serve many applications efficiently by centralizing the data and controlling redundant data. Rather than storing data in separate files for each application, data appears to users as being stored in only one location.  (A) True  (B) False
2.	Internet Protocol (IP) address, which currently is a 32-bit number represented by four
	strings of numbers ranging from 1 to 256 separated by periods.
	(A) True
	(B) False
3.	The range of frequencies that can be accommodated on a particular telecommunications channel is called its <b>bandwidth</b> .
	(A) True
	(B) False
4.	Today's corporate network infrastructure is a single network from the public switched
	telephone network, to the Internet, to corporate local area networks linking workgroups,
	departments, or office floors.
	(A) True
	(B) False
5.	The use of computers to combine data from multiple sources and create electronic dossiers of detailed information on individuals is called <b>profiling</b> .

Index Number:....

(05 Marks)

(A) True(B) False

Index	Numb	er:	 #1			
(c)		itemporary infi				
		structured and u				
	Answ					(
	2.		 	************		
	3.	* * * * * * * * * * * * * * * * * * *	 			
			 		*********	
	4.					
		***************************************	 			•••••••
	5.					••••••••••••••••••••••••••••••••••••••
					.,	
					ż	

(d) An organization wants to improve its security and control of information system context, you are required to *identify* the key components of that organization's fram security and control?

Index	Number:		 			
					50	
	Answer:				đ.	
	Allswei.	-				
	**************		 	 		 
			 	 		 4,500
			 	 	********	 • • •
			 	 		 •••
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		 	 		

(Total 20 Marks)