KASNEB

DICT LEVEL II

INTERNET SKILLS

MON	ime Allowed: 3 hours.				
Answer ALL questions. Marks allocated to each question are shown at the end of the question.					
QUESTION ONE (a) (i) Outline three characteristics to consider when choosing a search engine. (3 marks)					
()	(ii)	Highlight two limitations of search engines.	(2 marks)		
(h)	, .		· · ·		
(b)					
(c)	Describe each of the following TCP/IP application layer protocols:				
	(i)	Dynamic Host Configuration Protocol (DHCP).	(2 marks)		
	(ii)	Telnet.	(2 marks)		
	(iii)	Packet Internet Groper (PING).	(2 marks)		
	(iv)	File Transfer Protocol (FTP).	(2 marks)		
(d)	Explai	in five benefits of three-tier over two-tier client-server architectures.	(5 marks) (Total: 20 marks)		
QUESTION TWO (Total: 20 marks)					
(a)	Describe the concept of "virtual reality" as used in the internet. (2 marks)				
(b)	State t	two factors that affect the cost of hosting a website.	(2 marks)		
(c)	Distinguish between the following terms as used in computing and network security:				
	(i)	Botnets and scareware.	(2 marks)		
	(ii)	Blogs and teleconferencing.	(2 marks)		
(d)	Using	Using an example in each case, distinguish between "web based" and "mail user" agents. (4 marks			
(e)	Highlight two challenges that you might face when addressing internet security. (4 marks				
(f)	f) By use of an illustration, explain how a global positioning system (GPS) tracking system implements of tiers.				
			(4 marks) (Total: 20 marks)		
QUESTION THREE					
. (a)		rentiate between "client-side scripting" and "server-side scripting".	(4 marks)		
(b)	(i)	Define "elasticity" as used in cloud computing.	(2 marks)		
	(ii)	Summarise four factors that a business should consider when choosing a cloud service	e provider. (4 marks)		
(c)	Apach	ne is one of the leading internet web servers.			
Required: Appraise four factors that have contributed to Apache's success.					

Analys	(4 marks)		
Explain	"graymail" in the context of internet services.	(2 marks) (Total: 20 marks)	
	(4 marks)		
Explair	(4 marks)		
Highlig	(2 marks)		
Internet governance emphasises a multi-stakeholders approach in discussing internet related policies.			
With re	eference to the above statement, outline five areas covered by Internet Governance.	(5 marks)	
Explain the role of the following internet groups and corporations:			
(i)	Internet Society (ISOC).	(3 marks)	
(ii)	Internet Corporation for Assigned Names and Numbers (ICANN).	(2 marks) (Total: 20 marks)	
Outline four benefits of server virtualisation.			
Define the following terms as used in the internet application:			
(i)	Servlets.	(2 marks)	
(ii)	Bookmark.	(2 marks)	
Explain the following top level groups:			
(i)	.Sci	(1 mark)	
(ii)	.alt and the same of the same	(1 mark)	
(iii)	.comp	(1 mark)	
(iv)	.rec (KIR)	(1 mark)	
Distinguish between Regional Internet Registry" (RIR) and "Internet Service Provider" (ISP). (4 mark			
Explai	Explain the impact of Internet of Things (IOT) to an organisation in the following areas:		
(i)	Customer experience.	(2 marks)	
(ii)	Innovation.	(2 marks) (Total: 20 marks)	
	Explain FION FO Summa Explain Highlig Interne With re Explain (i) (ii) FION FI Outline (ii) (iii) Explain (i) (iii) Explain (i) (iii) Explain (i) (iii) Explain (ii) (iii) (iii) (iii) (iii) (iii)	With reference to the above statement, outline five areas covered by Internet Governance. Explain the role of the following internet groups and corporations: (i) Internet Society (ISOC). (ii) Internet Corporation for Assigned Names and Numbers (ICANN). FION FIVE Outline four benefits of server virtualisation. Define the following terms as used in the internet application: (i) Servlets. (ii) Bookmark. Explain the following top level groups: (i) .Sci (ii) .alt (iii) .comp (iv) .rec Distinguish between Regional Internet Registry" (RIR) and "Internet Service Provider" (ISP). Explain the impact of Internet of Things (IOT) to an organisation in the following areas: (i) Customer experience.	