

## DICT LEVEL II

## INTERNET SKILLS

TUESI	DAY: 26	5 November 2019. Ti	ne Allowed: 3 hours.	
			ne mowed. 5 nours.	
Answer ALL questions. Marks allocated to each question are shown at the end of the question.				
QUES'	TION O (i)	Explain four Boolean operators used for information searching on the internet.	(4 marks)	
	(ii)	Outline five elements on the search results page for a web search engine.	(5 marks)	
(b)	Highli	ght five features of an internet auction website that supports e-commerces	(5 marks)	
(c)	Explai	n two features of an effective antivirus software running on the interret.	(2 marks)	
(d)	Outlin	e four ways of enhancing the usage of a blog website on the internet.	(4 marks) (Total: 20 marks)	
OHEC	TION T	WO :ko	(Total. 20 marks)	
(a)		the following terms:		
	(i)	WO the following terms:  Hyperlink.  IP address.  Junk mail.  ombo noticed that when saving a local copy of a webpage using the "Save as" option.	(2 marks)	
	(ii)	IP address.	(2 marks)	
	(iii)	Junk mail.	(2 marks)	
(b)	Ben Zombo noticed that when saving a local copy of a webpage using the "Save as" option, the web browse provides him with a variety of choices.			
	List fo	ur different file types that Ben Zombo could use to save the webpage in a given browser.	(4 marks)	
(c)	Dynan service	nic host configuration protocol (DHCP) relieves the work of the network administrator by es.	automating some	
	Highli	ght four TCP/IP configuration information allocated to DHCP clients by the DHCP server.	(4 marks)	
(d)	Consu	mers and organisations have many different reasons for choosing to use cloud-computing s	ervices.	
	Requi	red:		
	(i)	Suggest two infrastructural challenges to the implementation of cloud computing service	es. (2 marks)	
	(ii)	Examine four reasons why an organisation would deploy cloud computing services.	(4 marks) (Total: 20 marks)	
QUES (a)	TION T	HREE n three types of uniform resource locators (URLs) used in web addressing.	(6 marks)	
	_		(6 marks)	
(b)	Outline three differences between the internet and an intranet. (6 marks)			
(c)		arise four benefits that make emails a preferred form of communication.	(4 marks)	
(d)	List fo	our examples of web browsers.	(4 marks) (Total: 20 marks)	

QUES'	The structural components of a web application defines the functionality in which a user interacts with the internet, the control and the database storage.			
		tion to the above statement, analyse three types of the structural components of a web appl le of a development platform in each case.	ication, citing an (9 marks)	
(b)	Descri	be each of the following internet connections:		
	(i)	Gateway access.	(2 marks)	
	(ii)	Shell connection.	(2 marks)	
(c)	Alloca	tion of internet protocol (IP) addresses is delegated to a few regional internet registries (RIR	s).	
	List ar	by three RIRs.	(3 marks)	
(d)	Hypertext transfer protocol (HTTP) is important for transfer of various data formats between the server and the client.			
	Enume	erate the four basic steps in HTTP communication model.	(4 marks) (Total: 20 marks)	
(a)	•	se the impact of six major information gathering tools on the internet on individual privacy.	(6 marks)	
(b)		Packet switching.  Routing algorithm.  Internet layer.  Border gateway protocol.		
	(i)	Packet switching.	(1 mark)	
	(ii)	Routing algorithm.	(1 mark)	
	(iii)	Internet layer.	(1 mark)	
	(iv)	Border gateway protocol.	(1 mark)	
(c)	c) In the context of client-server architecture of the internet:			
	(i)	Identify three types of clients in a client/server model.	(3 marks)	
	(ii)	Explain three characteristics of clients in a client/server model.	(3 marks)	
(d)	Using	examples explain the technologies used for internet connectivity in the "First Mile" and the	"Last Mile". (4 marks) (Total: 20 marks)	