KASNEB

DICT LEVEL II

INTERNET SKILLS

PILOT PAPER

Time Allowed: 3 hours.

September 2015.

Ansv	swer ALL questions. Marks allocated to each question are shown at the end of the que	estion.			
QUE (a)	ESTION ONE Describe the following internet terms indicating how each could be used to create bus	siness value:			
	(i) Telnet.	(4 marks)			
	(ii) FTP.	(4 marks)			
(b)	The service oriented architecture enables heterogenic access of cloud computing serv	ices.			
	The service oriented architecture enables heterogenic access of cloud computing serv In light of this statement, explain the following cloud computing terms: (i) Hybrid cloud. (ii) Platform as a service (Paas). List three advantages and three disadvantages of cloud computing.	aters.			
	(i) Hybrid cloud.	(3 marks)			
	(ii) Platform as a service (Paas).	(3 marks)			
(c)	List three advantages and three disadvantages of cloud computing.	(6 marks) (Total: 20 marks)			
Baba advis	ati Medical Centre intends to set up an internet connection to serve hospital services ise the hospital on how to go about this. uired: Advise the hospital on the viability of: (i) Wireless internet connection.	remotely. You have been hired to			
(a)	Advise the hospital on the viability of:				
	(i) Wireless internet connection.	(6 marks)			
	(ii) Wired internet connection	(6 marks)			
(b)	Explain why the hospital might need:				
	(i) An internet domain name.	(2 marks)			
	(ii) The services of an Internet Service Provider (ISP).	(2 marks)			
(c)	Advise Babati on four security measures that might protect the hospital from internet	security threats. (4 marks) (Total: 20 marks)			
QUE (a)	ESTION THREE Outline the characteristic differences between web 2.0 and web 3.0 as semantic gener	ations of the world wide web. (6 marks)			
(b)	Citing examples, explain each of the following internet security controls:				
	(i) Procedural.	(2 marks)			
	(ii) Physical.	(2 marks)			
	(iii) Logical.	(2 marks)			
	Т	D22 Pilot Paper Page 1 Out of 2			

(i)	Defin	ne the term "search engine optimisation".	(2 marks)	
(ii)	Expla			
	i.	Indexed searching.	(2 marks)	
	ii.	Content navigation.	(2 marks)	
	iii.	Multiple site linkage.	(2 marks) (Total: 20 marks)	
ESTION FOUR Describe the following protocols as used in internet applications:				
(i)	SMT	Р.	(2 marks)	
(ii)	HTTP. (2 marks			
(iii)	POP3	3 .	(2 marks)	
Expla	ain three	e ethical issues that are brought about by internet connectivity.	(6 marks)	
Explain how the following internet services can be used in a business environment:				
(i)	Web	blogs.	(2 marks)	
(ii)	News	groups.	(2 marks)	
Data terminal equipments are also known as 'sinks' in computer networks. List any four such devices. (4 marks)				
		absite *	(Total: 20 marks)	
		· No	and information. (6 marks)	
Social media has enhanced social interactivity of people in society.				
Justif	y the ab	pove statement.	(4 marks)	
(i)	List tv	wo examples of web servers.	(2 marks)	
(ii)	Expla	in four functions of a web server.	(4 marks)	
	A	HTTP Request B Response		
In the context of a distributed environment illustrated above:				
(i)	Identi	fy items A and B.	(2 marks)	
(ii)	Identi	fy the software used in A and B to enable the model's functionality.	(2 marks) (Total: 20 marks)	
	STION Desc (i) (iii) Expla (i) (iii) Data STION Expla Socia Justiff (i) (iii)	i. ii. iii. STION FOULD Describe the (i) SMT (iii) HTT! (iii) POP3 Explain three Explain how (i) Web (ii) News Data termina STION FIVE Explain any Social media Justify the ab (i) List to (ii) Explain A	(ii) Explain how the following techniques could be used in search engine optimisation. i. Indexed searching. ii. Content navigation. iii. Multiple site linkage. STION FOUR Describe the following protocols as used in internet applications: (i) SMTP. (ii) HTTP. (iii) POP3. Explain three ethical issues that are brought about by internet connectivity. Explain how the following internet services can be used in a business environment: (i) Web blogs. (ii) Newsgroups. Data terminal equipments are also known as 'sinks' in computer networks. List any four such STION FIVE Explain any two legal mechanisms that could be used to entrance or preserve privacy of data Social media has enhanced social interactivity of people in society. Justify the above statement. (i) List two examples of web servers. A HTTP Request B Response In the context of a distributed environment illustrated above: (i) Identify items A and B.	