



Homework 1 Network threats

1. The following five statements about Internet security are incomplete:

- (i) _____ is software that is written with malicious intent, typically with the aim of corrupting files or gaining unauthorised access to a user's files
- (ii) _____ include a link which when clicked on may download a virus or lead you to a bogus website selling fake or non-existent products
- (iii) _____ appear to be legitimate emails which ask the user to click on a link; the link sends them to a fake website where they may be asked to enter personal details such as bank account information
- (iv) _____ is software that covertly gathers information from your computer and sends it back to the author who can sell or use the data for advertising or identity theft
- (v) _____ is a scamming practice in which malicious code is installed on a user's computer, misdirecting users to fraudulent websites without their knowledge or consent

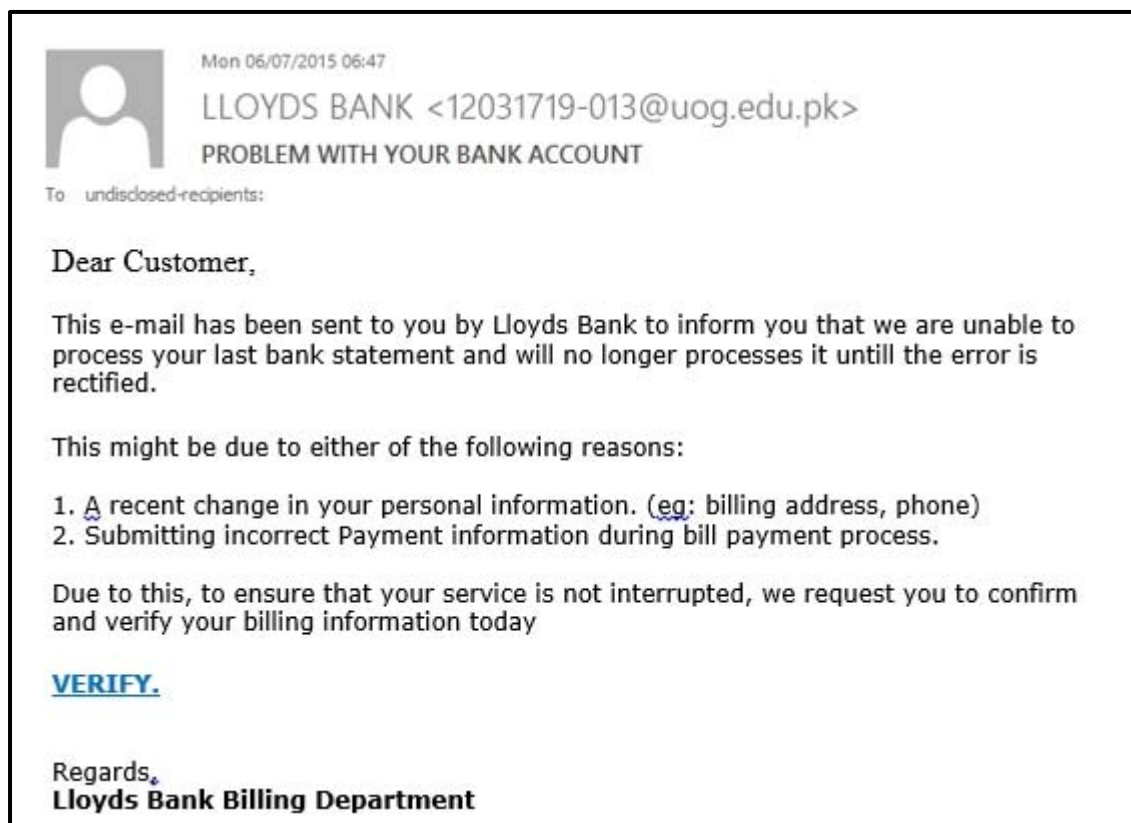
Complete the five statements using words from the following list:

spam
Trojan horse email
spyware
phishing emails
pharming
virus-generated emails
cookies
adware
malware

[5]

2. Study the email on the following page. Describe **three** clues which indicate that it is a phishing scam.

[3]



3. (a) Describe what is meant by a **denial of service attack**. [2]

- (b) Indicate in the right-hand column whether each of the following statements about a denial of service attack is true or false. [5]

	True or False
It aims to block an individual's email account	
The aim of the attack is spread misinformation about an organisation	
The motive is often blackmail or revenge	
It may cause the victim's network site to crash	
It may be unintentional	

[Total 15 marks]