Topic: CS23 – Network threats (Malware)

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| No. | Answer/Indicative content | Marks | Guidance |
| 1a | One mark per bullet:   * Malicious software… * ….designed to gain unauthorised access to a computer system. * …..disrupt it’s functioning or collect information * …..delete/corrupt data | 2  (AO2) |  |
| 1b | One mark per bullet   * Software that was installed from an untrustworthy source, for example, screensavers, etc. * Existing anti-malware software is out of date * Out of date system software/application software * Out of date browser * Out of date firewall * Infected removable drives * Exploitation of a software vulnerability * Various social engineering techniques, e.g. phishing * Scareware * Infected email attachment * Infected link * Spam email * A hacked website * Fake website * Popup software * Illegal file sharing * Distributed denial of service * Adware * Rootkits | 2  (AO1) | 1 mark each |
| 1c | 1 mark for naming threat, 1 for description, 1 for prevention. Max 3 per threat  e.g.   * Virus / trojan / worm   + Piece of software/code/a program that replicates itself // causes damage e.g. editing/deleting files   + Running anti-virus/anti-malware software // don’t download from unknown sources // don’t click on unknown links * Spyware / keylogger   + Piece of software/code/a program that records actions/key presses and sends this data to a third party for analysis   + Running anti-spyware/anti-malware software/firewall   Other examples accepted. | 4  (AO2)  2  (AO1) |  |