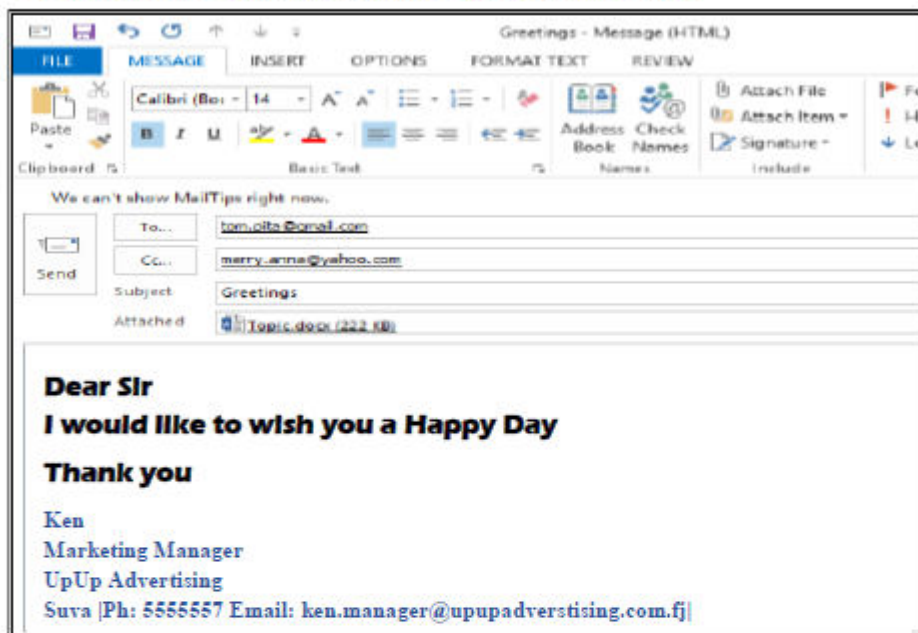


**BA SANGAM COLLEGE
YEAR 12
COMPUTER
WORKSHEET 3**

Reference: FY12CE 2019

**QUESTION 1 THE INTERNET AND THE WORLD WIDE WEB (10 marks)
PROPRIETY AND FREE AND OPEN SOURCE SOFTWARE**

(a) Study the picture below and answer the questions that follow.



Source: Personal Collection

- (i) Identify the name of the file attached to this email. (1 mark)
- (ii) State the purpose of the signature in an email. (1 mark)
- (iii) Explain one importance of using email in an organisation. (2 marks)
- (b) Search engines are programs that enable searching for relevant information. State one search engine used by Internet users. (1 mark)
- (c) Connectivity plays a major role when it comes to information sharing. Explain **Internet of Things** (IoT). (2 marks)
- (d) **EULA** is one type of licensing available for software users. Write the long form of **EULA**. (1 mark)
- (e) Explain one advantage of Proprietary Software. (2 marks)

- QUESTION 2 COMPUTERS IN SOCIETY (10 marks)**
- (a) State **one** purpose of Fiji's Online Safety Bill that came into effect from 2019. **(1 mark)**
- (b) List **two** ways computers are used in the transportation industry. **(2 marks)**
- (c) Explain **one** way in which data in a database can be misused. **(2 marks)**
- (d) Differentiate between **hackers** and **crackers**. **(2 marks)**
- (e) Facebook is one of the most used social networking sites in Fiji.
Discuss how social networking like facebook can breach individual privacy. **(3 marks)**

- QUESTION 3 COMMUNICATION AND NETWORKS (10 marks)**
- (a) A communication system is made of four elements.
State **one** example of a sending and receiving device. **(1 mark)**
- (b) State **one** advantage of using fiber-optic cables over twisted pair cables in a network. **(1 mark)**
- (c) Modems are used to convert signals from analog to digital and vice versa.
Explain **one** reason why signals need to be converted. **(2 marks)**
- (d) Differentiate between **LAN** and **WAN** in relation to connectivity range. **(2 marks)**
- (e) Explain **one** purpose of a switch in a network setup. **(2 marks)**
- (f) Transmission Control Protocol/ Internet Protocol (TCP/IP) is a two layer protocol used in data transmission.
Name **two** processes involved in TCP/IP. **(2 marks)**