

**BA SANGAM COLLEGE
YEAR 12
COMPUTER
WORKSHEET 2**

**QUESTION 1 THE INTERNET AND THE WORLD WIDE WEB/
CAREERS FOR COMPUTING PROFESSIONALS (10 marks)**

- (a) Read the passage below to answer the questions that follow.

Anna is starting up a marketing business. She is aware of the importance of internet connection and use of email by the business. She is willing to take advice from you regarding internet connection and setup.

- (i) Identify **one** Internet Service Provider in Fiji that you recommend to Anna. **(1 mark)**
- (ii) For the effective use of the email, explain the difference between **Web-based email** and **Client-based email** in relation to the email storage. **(2 marks)**
- (iii) Explain the function of **Really Simple Syndication Feeds (RSS)**. **(2 marks)**
- (b) The cyber-culture is the new culture in this era. Define the term **cyber-culture**. **(1 mark)**
- (c) Study the URL below to answer the questions that follow.

<http://www.femis.gov.fj>

- (i) Write the long form of **http**. **(1 mark)**
- (ii) Identify the top level domain code from the URL above. **(1 mark)**
- (d) Differentiate between a **Network Engineer** and a **Web Engineer** in relation to the job performed. **(2 marks)**

QUESTION 2**COMPUTERS IN SOCIETY****(10 marks)**

- (a) Social networking is designed to allow open sharing of information among individuals that share a common interest. Unfortunately, it can also put individuals using social networking sites at risk. State **two** social networking risks. **(2 marks)**
- (b) All activities done on any website is monitored, usually without one's knowledge or permission. State **one** way someone's Web activity is monitored. **(1 mark)**
- (c) Explain **one** way in which computers can benefit an organisation. **(2 marks)**
- (d) Explain how a **Robot Network** or **Botnet** is formed. **(2 marks)**
- (e) Software piracy is the unauthorized copying and distribution of software which is an ever growing concern in this electronic world. Discuss how **Digital Millennium Copyright Act** can reduce software piracy. **(3 marks)**

QUESTION 3**COMMUNICATION AND NETWORKS****(10 marks)**

- (a) Network Interface Card and Network Operating System are two well known terms in networking. State **one** function of:
- (i) Network Interface Card **(1 mark)**
- (ii) Network Operating System **(1 mark)**
- (b) Explain **one** purpose of MODEM in a communication system. **(2 marks)**
- (c) Define **communication channel** and state **one** example of a physical medium. **(2 marks)**
- (d) Differentiate between **Wireless Fidelity (WiFi)** and **Worldwide Interoperability for Microwave Access (WiMax)** in relation to the coverage range. **(2 marks)**
- (e) Explain the **packetization** process in data transmission. **(2 marks)**