

**BA PROVINCIAL FREEBIRD INSTITUTE**  
**TERM ONE END EXAMINATION 2021**  
**COMPUTER STUDIES YEAR 12**  
**QUESTION PAPER**

*Time Allowed: Three Hours (An extra ten minutes is allowed for reading this paper.)*

**INSTRUCTIONS**

1. Write all your answers in the Answer Book provided.
2. Write your Index Number on the front page and inside the back flap of the Answer Book. 3. If you require more paper, ask the supervisor for extra sheets. Attach these inside the Answer Book at the appropriate places.
3. A calculator may be used, provided it is silent, battery-operated and non-programmable.
4. There are three sections in this paper. Section A and B are compulsory. Note the choices in Section C.

**SUMMARY OF QUESTIONS**

Section	Guidelines	Total Marks	Suggested Time
A	There are twenty multiple-choice questions. All the questions are compulsory.	20	36 minutes
B	There are six short-answer questions. All the questions are compulsory	60	108 minutes
C	There are four essay questions. Answer any two questions.	20	36 minutes

**SECTION A****[20 marks]**

The multiple-choice questions in this section are all compulsory. Each question is worth 1 mark.

**INSTRUCTIONS FOR MULTIPLE – CHOICE QUESTIONS**

1. In your Answer Book, circle the letter which represents the **best** answer. If you change your mind, put a line through your first choice and circle the letter of your next choice.

For example:

8	A	<del>B</del>	C	D
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2. If you change your mind again and like your first answer better, put a line through your second circle and tick (✓) your first answer.

For example:

8	A	<del>B</del> ✓	<del>C</del>	D
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3. **No mark** will be given if you circle more than one letter for a question.

- To access the Ministry of Education's website, you have to type <http://www.education.gov.fj> in the address box of your browser. The domain name of the website is
  - www
  - education
  - education.gov.fj
  - [www.education.gov.fj](http://www.education.gov.fj)
- The fastest growing activity on the internet is
  - e-ink.
  - e-mailing.
  - e-commerce.
  - social networking.
- Computers which are used in hospitals to diagnose diseases of any kind are called
  - e-Health.
  - Expert system.
  - Health system.
  - SMART system.
- The extensions, .com, .edu, .mil, .net and .gov all refer to
  - Protocols.
  - Domain codes.
  - Domain names.
  - Sub-domain names
- Highlighted text on a web that connects other web sites or places within the same website is called a
  - hyperlink.
  - plug-in.
  - filter.
  - blog.

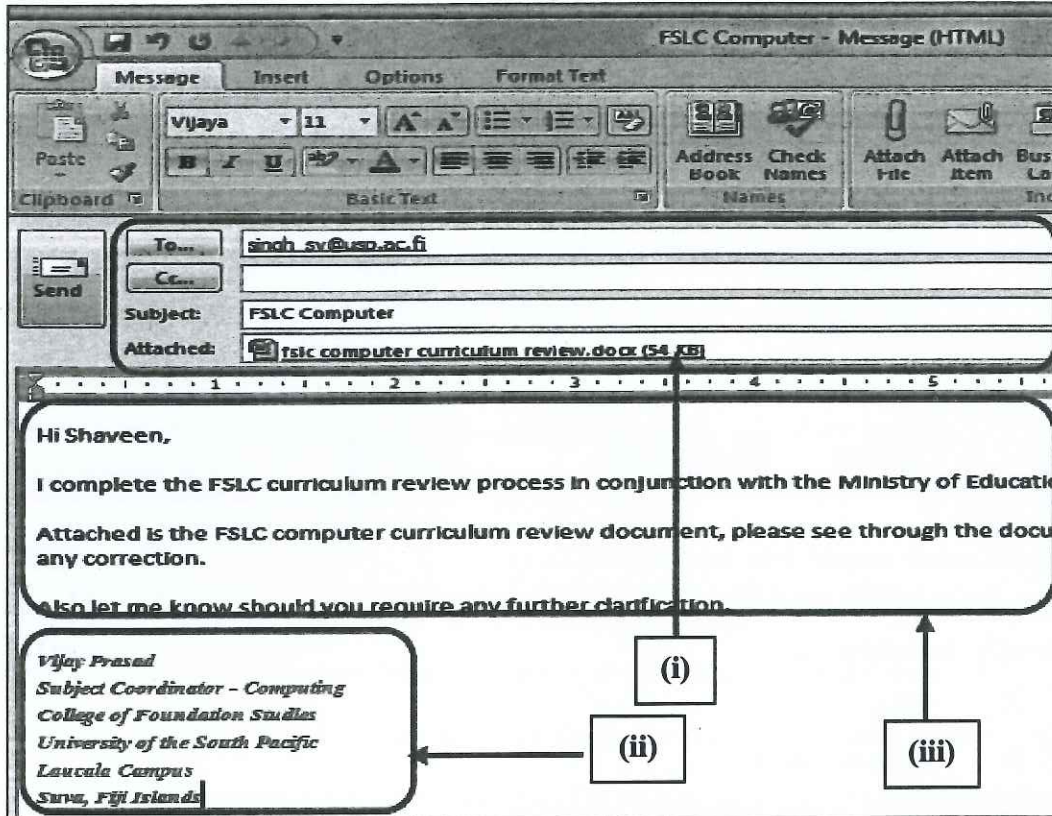
6. A group of software that anyone can inspect, modify and enhance is  
A. Free. C. Open Source.  
B. Proprietary. D. Closed Source.
7. Which of the following is an example of Free Software?  
A. Windows 7 C. Photoshop  
B. Microsoft Office D. Mozilla Firefox
8. The acronym ISP stands for  
A. Internet Service Provider. B. Internet Software Protocol.  
C. Interface Standard Protocol. D. International Shareware Pool.
9. A technique used by publishers to protect their intellectual property where they are given authority to control use and distribution of their work is  
A. Piracy. C. Software licensing.  
B. Copyright. D. Digital Rights Management.
10. An ethical issue where some other person's work and ideas are presented as yours without giving credit is  
A. data manipulation. C. plagiarism.  
B. browser hijacking. D. privacy.
11. Which of the following is the positive impact of computerization of society?  
A. Techno stress  
B. New products and services  
C. Exposure to unwanted activities  
D. Reduction in social interaction at work
12. A web page address usually begins with the letters "http" which signifies a form of  
A. internet. C. digital signal process.  
B. protocol. D. modem and configuration.
13. Which of the following trends has resulted in computerization of society?  
A. Economic and Scientific  
B. Information and Economic  
C. Technological and Economic  
D. Advancement and Technological
14. A browser is a program that allows users  
A. transfer messages and files through internet.  
B. search for relevant information on the www.  
C. to access and view web pages on the internet.  
D. exchange real-time messages or files with another online user.

**TURN OVER**

15. An e-mail program allows
- A. users to access and view web pages on the internet.
  - B. geographically separated people to transfer audio and video.
  - C. real-time exchange of messages or files with another online user.
  - D. transmission of messages and files via a network such as the internet.
16. A type of program that allows parents as well as organizations to block out selected sites and set time limits on internet access are called
- A. filters.
  - B. plug-ins.
  - C. web utilities.
  - D. file transfer protocol
17. The guidelines for the acceptable use of computers is called computer
- A. laws.
  - B. ethics.
  - C. access.
  - D. requirements.
18. In the email address rshaggy@connect.com.fj , what is the username?
- A. rshaggy
  - B. connect
  - C. com
  - D. fj
19. Which of the following is a negative impact of computerization of society?
- A. New jobs and job efficiency
  - B. Increase in quality of products
  - C. Exposure to unwanted activities
  - D. Overall increase in quality of living
20. The development of microelectronic devices has influenced computerization of society. This influence is referred to as
- A. economic trend.
  - B. structured trend.
  - C. operational trend.
  - D. technological trend.

**SECTION B****[60 marks]****QUESTION 1****(10 marks)**

1. Use the snapshot given below to answer the questions that follow.



(a) Identify labels (i) – (iii) (3 marks)

(b) Briefly explain part (i). (3 marks)

(c) Which type of email is shown above? Give a reason for your answer. (2 marks)

2. Differentiate between IM and chat. (1 mark)

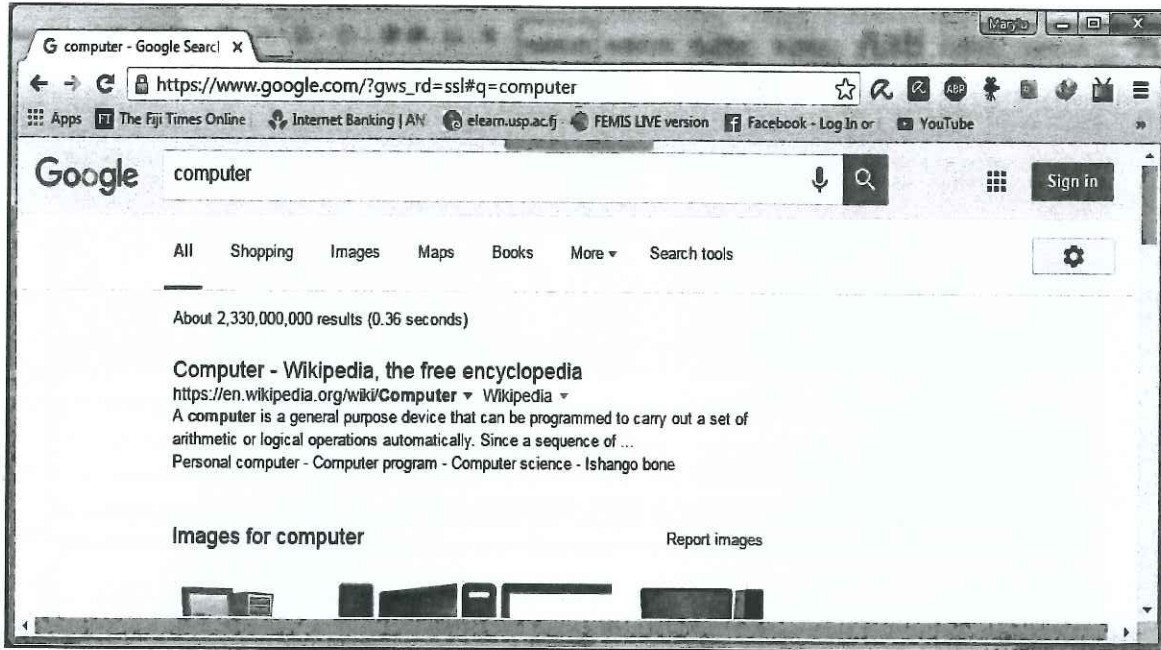
3. Describe how RSS Feeds work. (1 mark)

**QUESTION 2****(10 marks)**

1. What is social networking? Give three examples of social networking sites. (2 marks)

2. Differentiate between blogs and wiki's. (2 mark)

3. Use the snapshot given below to answer the questions that follow.



- (i) Which search engine was used above? (1 mark)
- (ii) How many results were found for the term 'computer'? (1 mark)
- (iii) Identify the following: (2 marks)
- A. URL -
- B. Domain name -

4. Explain how plug-in works. Give two examples. (2 marks)

### QUESTION 3

(10 marks)

- (a) (i) What is the main purpose of the signature in an email? (1 mark)
- (ii) Explain the steps to set up a signature for an email account. (2 marks)
- (iii) List two advantages of using electronic mail in any organisation. (2 marks)
- (b) What is e-learning? (1 mark)
- (c) Differentiate between internet and world wide web in terms of resources. (2 marks)
- (d) Explain the term podcasting. (2 marks)

### QUESTION 4

(10 marks)

- (a) (i) Define computer ethics. (1 mark)
- (ii) Describe two primary computer ethical issues. (2 marks)
- (iii) State any two ethical questions that can be raised about computers and their uses. (2 marks)
- (b) Define the term **information society**. (1 mark)

- (c) Differentiate between a web designer and web developer. (2 marks)
- (d) Explain an important role of a web administrator. (2 marks)

**QUESTION 5** (10 marks)

- (a) State **one** purpose of Fiji's Online Safety Bill that came into effect from 2019. (1 mark)
- (b) Differentiate between a **hacker** and a **cracker**. (2 marks)
- (c) Connectivity plays a major role when it comes to information sharing.  
Explain **Internet of Things (IoT)**. (2 marks)
- (d) Explain **Digital Millennium Copyright Act**. (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 6** (10 marks)

- a) Describe the sort of information about individuals whose profiles are kept in databases. (1 mark)
- b) Briefly explain two ways how outsiders can steal information in a database. (1 mark)
- c) Give two a database owner can protect a database against unauthorized access. (2 mark)
- d) Explain the government's stand in protecting the misuse of information in a database. (2 mark)
- e) List **two** ways computers are used in the transportation industry (2 mark)
- f) Explain **one** advantage of Proprietary Software. (2 mark)

**TURN OVER**

**SECTION C** [20 marks]

**There are four essay questions in this section. Answer any two questions. Each question is worth 10 marks.**

**Write an essay of 200 – 250 words to answer Questions 1, 2, 3 and 4.**

**QUESTION 1** INTERNET AND THE WEB

With the creation of the internet, the lifestyles of people around the globe have undergone a quick and drastic change.

With reference to the above statement, discuss the following:

- i. Difference between the internet and the World Wide Web (WWW).
- ii. Two advantages of the Internet.
- iii. Two disadvantages of the Internet.
- iv. Three effects of cyber-culture on people's lifestyle.

**OR**

**QUESTION 2**

**COMPUTER IN SOCIETY**

Computer technology and its application are vital today.

With reference to the above statement, discuss:

- i. What is meant by computerization of society
- ii. Two related trends that have led to the computerization of society
- iii. Three positive social impacts of computerization of society
- iv. Two negative social impacts of computerization of society.

**OR**

**QUESTION 3**

**INTERNET AND WORLD WIDE WEB**

With reference to the above statement discuss;

- i. Cyberculture using examples
- ii. Two positive effect of cyber culture
- iii. Two negative effect of cyberculture
- iv. Two ways to control a negative effect.

**OR**

**QUESTION 4**

**COMPUTERS IN SOCIETY**

In a digital world where internet users are increasing day by day, the security of database has become a vital issue.

With reference to the above statement, discuss:

- i. what computer ethics are and why they are important;
- ii. two ways in which information from a database can be stolen;
- iii. two ways in which data in a database can be misused;
- iv. two ways in which a database owner can protect a database against unauthorised access; and
- v. how copyright and copy protection can be used to address ethical issues.

***THE END***