



The University of Fiji



Undergraduate Programme
Department of Computer Science & Information
Technology
Semester 2 Year 2016
FINAL EXAMINATION PAPER

ITC100: INFORMATION TECHNOLOGY FOR
THE WORKPLACE

Important Instructions to Students:

1. Read the questions, instructions carefully and answer the questions.
2. You are allowed an extra 10 minutes reading time (during this time, you are not allowed to write with pen) and 180 minutes (3 Hours) to complete this paper.
3. Silent, non-programmable calculators are allowed, but not supplied.
4. Write all your answers in the answer booklet provided. If you need extra sheets, please ask from the supervisor. Write your name, course code and student identification number in the answer booklet and in the attendance sheet.
5. This Final Course Examination Paper is worth 100 marks contributes 50% of the total course assessments.
6. This paper contains three (3) sections A,B and C. All questions are compulsory to answer.
7. Write all your answers legibly. The marker has the right to award zero for answers that are not legible.
8. This is a **Closed Book Examination**. The University views plagiarism, cheating and dishonest practice as serious offences and if found, offenders are penalized.

Examination Paper Content (Format):

<u>Section</u>	<u>Question</u>	<u>Content</u>	<u>Marks</u>	<u>Suggested Time</u>
A	1-30	Multiple Choice	30	40 minutes
B	1-10	True or False Questions	10	20 minutes
C	1-24	Open- Ended Questions	60	120 minutes
		TOTAL	100	180 Minutes

SECTION A**MULTIPLE CHOICE****30 MARKS**

Write the question number and the letter which represents the most appropriate answer for each question in the answer booklet.

1. The process of ordering a movie or television show to be delivered via the Internet is referred to as _____.
 - a. interactive TV
 - b. online subscriptions
 - c. video-on-demand (VOD)
 - d. Voice over IP (VoIP)
2. To manually adjust the width of a column, position the pointer over the vertical line between two column headings so that the pointer changes to a shape. _____ while you drag the vertical line left or right to manually adjust the width of the column.
 - a. Double-click the right mouse button
 - b. Double-click the left mouse button
 - c. Press and hold the right mouse button
 - d. Press and hold the left mouse button
3. Monitoring systems may use _____, which are devices that respond to a stimulus (such as heat, light, or pressure) and generate an electrical signal that can be measured or interpreted.
 - a. transmitters
 - b. IAs
 - c. interpreters
 - d. sensors
4. Washni would like to purchase a new _____, which would be used to connect the company's LAN and the Internet.
 - a. hub
 - b. router
 - c. USB port
 - d. bridge
5. As with Microsoft Word, Excel allows you to work with either predefined or custom _____.
 - a. labels
 - b. styles
 - c. themes
 - d. values
6. _____ means that data can be retrieved directly from any location on the storage medium, in any order.
 - a. Indirect access
 - b. Sequential access
 - c. Random access
 - d. Online access
7. To limit search results to just pages belong to a particular top-level domain (such as .gov), you should use a _____.
 - a. synonym search
 - b. field search
 - c. variant search
 - d. search

8. PCs are extremely versatile tools because they can accept instructions from a wide variety of _____.
a. hardware
b. semiconductors
c. Network connections
d. software
9. _____ is a protocol used to transfer data over the Internet.
a. Wi-Fi
b. Bluetooth
c. TCP/IP
d. Codes
10. If you want a slide to advance automatically after a specified period of time, click the _____ check box in the Transition to This Slide group on the Transitions tab.
a. Transition Timer
b. After
c. Transition After
d. Automatic Timer
11. The Internet began as an experimental network that is known by _____.
a. ARPANET
b. World Wide Web
c. Internet2
d. Internet
12. One type of storage device that is sometimes used with computers for backup purposes and that uses sequential access is a _____.
a. hard drive
b. compact card
c. flash drive
d. magnetic tape drive
13. Many business software services are offered as _____, including applications geared for collaboration, scheduling, customer service, accounting, project management, and more.
a. download services
b. Internet service providers (ISPs)
c. Software as a Service (SaaS)
d. running services
14. Rupeni is planning to connect selected devices to the network wirelessly with a _____.
a. hotspot
b. hub
c. wireless access point
d. switch
15. The default workbook contains three worksheets, titled _____.
a. Sheet1, Sheet2, and Sheet3
b. WS1, WS2, and WS3
c. WB1, WB2, and WB3
d. File1, File2, and File3
16. Which of the following oversees research for the Internet?
a. ARPANET
b. NSFnet
c. NASA
d. W3C
17. The ability of a computing device to identify another device on the same network and determine its status is called _____.
a. computer monitoring
b. video surveillance
c. presence technology
d. high-tech

18. You can quickly add borders using the Borders button in the _____ group on the Home tab of Excel.
- a. Shapes
 - b. Font
 - c. Edit
 - d. Text
19. _____ is a group of private secure paths set up using the Internet.
- a. VPN
 - b. WAN
 - c. LAN
 - d. MAN
20. Julia is the network administrator at a medium-sized company. One of her responsibilities is to purchase network devices to maintain the company network. Julia realizes that to improve network performance, she needs to buy and install a _____ which identifies the device on the network for which the data is intended and sends the data to that device only.
- a. switch
 - b. node
 - c. bus
 - d. bridge
21. Repeated threats or other harassment carried out online between adults is referred to as _____.
- a. cyberstalking
 - b. computer sabotage
 - c. cyberterrorism
 - d. phishing
22. Each place value in a binary number represents _____ raised to the appropriate power.
- a. 0
 - b. 1
 - c. 2
 - d. 10
23. To merge a range of cells in a column, select the range of cells, then click the Merge & Center button in the Alignment group on the _____ tab.
- a. View
 - b. Home
 - c. Edit
 - d. Format
24. Choy is a medical writer for a pharmaceutical company. The company allows him to work from home. Every day, Choy uses _____ to have a real-time, face-to-face meeting with his boss.
- a. intranets
 - b. virtual networks
 - c. telemarketing
 - d. videoconferencing
25. Virtually all personal computers come with a(n) _____ that is used to store most programs and data.
- a. hard drive
 - b. zip drive
 - c. floppy drive
 - d. external drive
26. In a brightly lit room, slides are easier to read if you use a _____.
- a. dark font color on a light background
 - b. dark font on a bright background
 - c. light font on a dark background
 - d. light font on a bright background

27. Which of the following is not true of communications software?
- a. Some communications devices require separate communications software to ensure proper data transmission.
 - b. E-mail, FTP, and VoIP are examples of system software for communications.
 - c. Communications software can help users establish a connection to another computer, mobile device, or network.
 - d. Communications software works with network standards and protocols to ensure data moves through the network or Internet correctly.
28. When dragging a slide in Slide Sorter view, PowerPoint displays ____ between slides to indicate the proposed position before you release the mouse button.
- a. an arrow icon
 - b. a paragraph marker
 - c. a vertical line
 - d. an asterisk
29. Salote loves to shop online because it allows her to easily compare prices at different retailers and read reviews from other buyers before buying a product. However, her friend Serupepeli is concerned about Salote being able to protect her personal information. He advised that before providing any personal information on a shopping site, Salote should always read the Web site's ____.
- a. protection history
 - b. privacy record
 - c. consumer policy
 - d. privacy policy
30. You can hide a slide so that it won't appear when you show the presentation. While in ____ view, right-click the slide, and then click Hide Slide on the shortcut menu.
- a. slide sorter
 - b. normal
 - c. either a. or b.
 - d. neither a. nor b.

SECTION B**TRUE/FALSE****10 MARKS**

Write the question number and beside it write either true or false in the answer booklet.

1. Using someone else's identity to purchase goods or services or perform other transactions is called identity theft. _____
2. Although broadband is defined by the FCC as 25 Mbps or faster, many home Internet connections considered broadband connections today are significantly slower than 25 Mbps. _____
3. You can edit a WordArt object as you would other text. _____
4. With a bus network, all devices are connected directly to each other without the use of a central hub or cable. _____
5. When you add a picture to a file, the size of the file increases. _____
6. A throw-away e-mail can help to reduce spam. _____
7. System failure can occur because of a hardware problem, software problem, or a computer virus. _____
8. Biometric authentication uses information that an individual should know or can easily remember. _____
9. Since speaker notes do not contain printed versions of each slide, you will have to still look at the projected slides. _____
10. Hardware theft can take many forms, including individuals making illegal copies of programs to give to friends and businesses installing software on more computers than permitted in the program's end-user license agreement. _____

SECTION C**OPEN - ENDED QUESTION****60 MARKS**

Answer ALL the questions from this section in the answer booklet provided.

- 1) Computerphobia—fear or anxiety related to computers—is a common problem among people today—especially for people who grew up before computers were everywhere. What do you think causes it? What, if anything, should be done about it? (2 marks)
- 2) Define a computer network and its purpose. (2 marks)
- 3) List three input devices and three output devices that might be attached to a PC. (3 marks)
- 4) What are the general operations of a machine cycle? (2 marks)
- 5) Discuss two advantages of RFID technology over barcode technology. (2 marks)
- 6) Discuss what it means to develop a word-processing document. Include explanations of editing and formatting in your answer. (2 marks)
- 7) Summarize the storage alternatives for a typical personal computer. (2 marks)
- 8) Suppose if ITC100 Final Examination paper was conducted via online testing mode. What are some of advantages that the students and the lecturer will have? Discuss any disadvantages? Will taking this test via the Internet require any special attention to help avoid cheating? Discuss. (3 marks)
- 9) Stylus is a digital pen like device used to draw or write electronically on the screen. The pen capability depends on two factors. Name and explain each. (2 marks)
- 10) Using examples compare and contrast between relative and absolute cell referencing when using Microsoft excel 2007. (2 marks)
- 11) When performing e-commerce activities, should only secure Web pages be used. Discuss why or why not? (2 marks)
- 12) When doing online search, there is a need to evaluate the search results. Explain why and how you would evaluate the results? (2 marks)
- 13) Identify at least four types of individuals, companies, and organizations involved in the Internet community and explain their purposes. (4 marks)
- 14) List the determining factors for selecting an Internet service provider. (2 marks)
- 15) Define and discuss the advantages of telecommuting. (2 marks)
- 16) Compare graphical user interfaces (GUIs) with command line interfaces. (2 marks)
- 17) Explain some reason as to why people hack computers or networks. (2 marks)
- 18) What is a database? Define the terms field, record, and table as they relate to a database. (2 marks)

- 19) Assume that a KB is 1,000 bytes, an MB is 1,000,000 bytes, and a GB is 1,000,000,000 bytes. Emosi had recently bought a 500GB hard drive as his main source of external storage. Table 1 sum up the contents of his hard drive. Looking at table 1, calculate how much storage is currently being used and how much is left? Show your calculations. (3 marks)

Table 1: Contents of hard drive.

ITEM	STORAGE SACE USED
Operating system	65 MB
Other software	1,350 MB
Digital photos and videos	1,000 MB
Other documents	85 MB

- 20) With help of figure 1 below, compare and contrast between the 2 examples of data delivery methods. (2 marks)

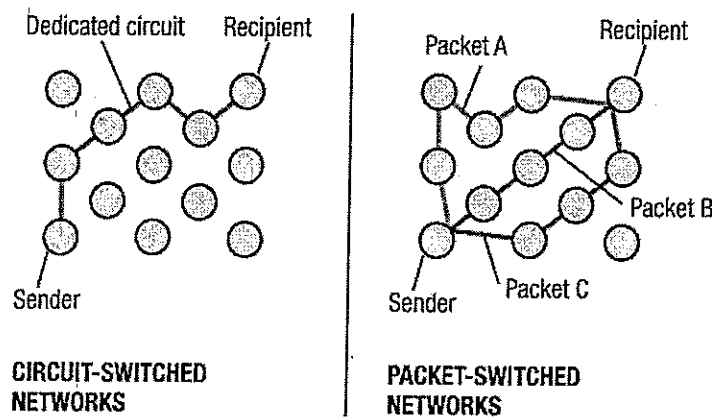


Figure 1: examples of data delivery methods.

- 21) What is social engineering? Should we be concerned about it? Why or why not? Discuss. (3 marks)
- 22) EMBRACE COMPUTERS AS PRODUCTIVITY TOOLS AND ENTERTAIONMENT APPLIANCES IN WHATEVER FORM THEY TAKE." Explain thoroughly what the above statement means to you and how this applies to the workforce today. (4 marks)
- 23) Many citizens voted for the first time in 8 years on 17th September 2014, a paid public holiday for 2014 Fijian general elections. Using your 2014 election experience, discuss what you feel are the most significant ways in which information technology, especially the Internet affects politics today. (4 marks)
- 24) Each technological improvement has pros and cons. Select a technology you use every day and discuss its benefits and risks. What benefit does the technology provide? Are there any risks involved and if so, how can they be minimized. If you choose not to use this technology because of the possible risks associated with it, how would your life be affected? Suppose if the benefits of any technology outweigh its potential risks, what should the government do about it? (4 marks)

End of Exam