Course Number / Description: CC111 (INTRODUCTION TO COMPUTING)
Prepared by: **MARY GRACE L. PEROCHO**

Term : Final Examination
Semester: First Semester
Date: 12/4/2024

TABLE OF SPECIFICATIONS

	Topics / Content	Knowledge	Comprehension	Application	Analysis	Synthesis	Evaluation	No. of Item	Score
8	Types of Utility Programs and Operating System	3 (1,2,10)	2 (6,24)		6 (29-34)			11	11
9	Networks and Communications	2 (5,23)	15 (3,4,7-9,11-15,18, 25-28)						
10	Number System			15 (36-50)	7 (16,17,19-22,35)			24	24
	Total Number of Items	5	17	15	13			15	60
	Total Score	5	17	60	13			50	95
%		5.26%	17.89%	63.16%	13.68%				95
									100%

Summary	No. of Points
Test I	15
Test II	20
Test III	60
Total Score	95

Checked : **CERILO B. RUBIN**
Date:

Republic of the Philippines
SULTAN KUDARAT STATE UNIVERSITY
COLLEGE OF COMPUTER STUDIES
Isulan Campus
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Name: _____ Year / Section: _____ Score: _____

CC111(INTRODUCTION TO COMPUTING)
Final Examination
December 11 - 13, 2024

GENERAL INSTRUCTIONS:
- No borrowing of Calculator
- Cellphone is not allowed to use while the examination is going on.
- Show your solution.

I. TRUE or **FALSE**. Write **TRUE** if the statement is correct, otherwise write the word
_____ 1. An anti-virus program protects a computer against viruses
_____ 2. A warm boot is the process of using the operating system to restart a computer.
_____ 3. Receiving devices initiate an instruction to transmit data, instructions or information.
_____ 4. A wireless LAN is a LAN that uses physical wires.
_____ 5. In a client/server, servers controls access to hardware, software and other resources on the network.
_____ 6. Computer viruses, worms, trojan horses, and rootkits are malware that acts without user's knowledge.
_____ 7. Spam is internet junk mail.
_____ 8. Factors that cause Computer Vision Syndrome (CVS) include prolonged, typing, prolonged mouse usage or continual shifting between the mouse and the keyboard.
_____ 9. Phishing is the discovering, collection, and analysis of evidence found on computers and networks.
_____ 10. Two types of system software are operating systems and application programs.
_____ 11. MAC OS X is a multitasking operating system available only for computers manufactured by Apple.
_____ 12. A pop-up blocker is a filtering program that stop pop-up ads from displaying on Web pages.
_____ 13. Physical transmission media send communications signals through twister pair cables, coaxial cable, and fiber-optic cable.
_____ 14. The higher the bandwidth, the more the channel transmits.
_____ 15. Longer password provides greater security.

II. MULTIPLE CHOICE. Write the letter of your choice on the space provided before the number.
_____ 16. Which of the following communication device that sends and receives data and information to and from a digital line?
a. digital modem　　b. network cards　　c. router　　　　d. ATM
_____ 17. Which of the following items that does NOT belongs to the group?
a. sending drive　　　　　　　c. receiving device
b. firewall protection　　　　d. communication channel
_____ 18. What particular program that tells the operating system how to communicate with a specific device?
a. buffer　　　　b. performance monitor　　c. device　　d. driver
_____ 19. Which of the following wireless transmission media that distributes radio signals through the air over long distances?
a. Infrared　　　　b. broadcast radio　　c. cellular radio　　d. Microwaves
_____ 20. Which of the following network protocol standards that defines how a network uses radio signals to communicate with a tag placed in or attached to an object, an animal or a person.　　a. RFID　　　　b. Bluetooth　　　c. WiMax　　　　d. VWB
_____ 21. Which of the following physical transmission media uses light to transmit signals?
a. twisted pair　　b. coaxial cable　　c. fiber optic　　d. infrared
_____ 22. Which of the following types of networks that covers a large geographic area.
a. LAN　　　　b. PAN　　　　c. MAN　　　　d. WAN

_____ 23. What type of user interface that are usually used to configure devices, manage system resources and other advanced users work?
a. GUI   b. Object oriented   c. command-line   d. line command

_____ 24. What particular internet filters program that warns or blocks user from potentially fraudulent or suspicious Web sites.
a. adware remover   b. phishing filter   c. Web filter   d. Trojan horse

_____ 25. What terms that best describes to the process of converting readable data into unreadable characters?
a. Encryption   b. decryption   c. digital signature   d. digital forensics

_____ 26. What particular utility program that detects and protects a personal computer from unauthorized instructions?
a. Antivirus program b. Disk defragmenter c. Personal firewall   d. file manager

_____ 27. What program that displays an online advertisement in a banner or pop-up window on a Web page
a. Pop-up ware   b. Spam   c. Spyware   d. adware

_____ 28. What program that hides in a computer and allows someone from a remote location to take full control of the program?
a. virus   b. worm   c. trojan horse   d. rootkit

_____ 29. In starting a computer, which process that takes place when you turned on the computer that has been powered off completely?
a. cold boot   b. warm boot   c. hot boot   d. boot

_____ 30. Which of the following categories of operating system that resides on ROM chip; most of mobile devices and consumer electronics have this kind of OS?
a. network operating system   c. stand-alone operating system
b. embedded operating system   d. stand-alone utility program

_____ 31. Which of the following is an example of embedded operating system?
a. UNIX   b. Blackberry   c. Symbian OS   d. Solaris

_____ 32. What program that allows user to view images and animation, listen to audio, and watch video files on user's computer?
a. service patch   b. image viewer   c. file manager   d. media player

_____ 33. Which of the following that refers to any event or action that could cause a loss or damage to computer hardware, software, data, information or processing capability?
a. computer crime   b. computer risk   c. computer security risk   d. cybercrime

_____ 34. Which of the following type of software that allows a user to perform maintenance type task, usually related to managing a computer, its devices, or its program?
a. Application Software   c. Operating System
b. General Purpose Software   d. Utility Programs

_____ 35. Which of the following that refers to a notice that guarantees a user or a Web site is legitimate?
a. Digital signature   b. certificate authority c. digital certificate   d. digital authority

III. Convert the following number system based on the given instructions.

A. Perform the following number conversion (3 pts)

71. 11110011_2 =   _____$_8$
72. 100111.0111_2 =   _____$_{16}$
73. 17003_8 =   _____$_2$
74. $BA5_{16}$ =   _____$_2$
75. $ABCD_{16}$ =   _____$_2$
76. 111011_2 =   _____$_8$
77. 7156_8 =   _____$_{10}$
78. $F3B5_{16}$ =   _____$_{10}$
79. 125_{10} =   _____$_2$
80. 289_{10} =   _____$_2$
81. $7B5A_{16}$ =   _____$_2$ =   _____$_8$
82. 724_8 =   _____$_2$ =   _____$_{16}$
83. $ABCD_{16}$ =   _____$_2$ =   _____$_8$
84. 3026_8 =   _____$_2$ =   _____$_{16}$
85. 54215_8 =   _____$_2$ =   _____$_{16}$

Prepared:

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