

Republic of the Philippines
SULTAN KUDARAT STATE UNIVERSITY
College of Computer Studies
Isulan Campus - Isulan, Sultan Kudarat

CC 111 – FINAL EXAMINATION

NAME: _____

DATE: _____

COURSE, YEAR & SECTION: _____

I. MULTIPLE CHOICE. Select the correct answer and encircle the corresponding letter of your choice in your questionnaire.

1. It refers to the physical material on which a computer keeps data, instructions, and information
 - a.) Storage Device
 - b.) Storage Area
 - c.) Storage Medium
 - d.) Storage Mechanism
2. It refers to the computer hardware that records and/or retrieves items to and from storage media
 - a.) Storage Device
 - b.) Storage Medium
 - c.) Storage Area
 - d.) Storage Mechanism
3. It refers to the number of bytes (characters) a storage medium can hold.
 - a.) Volume
 - b.) Size
 - c.) Capacity
 - d.) Space
4. It is a storage device that contains one or more inflexible, circular platters that use magnetic particles to store data, instructions and information.
 - a.) Enterprise Storage
 - b.) Flash Memory Storage
 - c.) Optical Discs
 - d.) Hard Disks
5. It is a group of two or more integrated hard disks.
 - a.) NAS (Network Attached Storage)
 - b.) Miniature Hard Disk
 - c.) Redundant Array of Independent Disks (RAID)
 - d.) External and Removable Hard Disks
6. It is a flash memory storage device that plugs in a USB port on a computer or mobile device.
 - a.) USB Flash Drives
 - b.) ExpressCard Modules
 - c.) Solid State Drive (SSD)
 - d.) Memory Cards
7. It is an Internet service that provides hard disk storage to computers users.
 - a.) Enterprise Storage
 - b.) Cloud Storage
 - c.) Flash Memory Storage
 - d.) Web Storage
8. It stores huge volumes of data and information for large businesses.
 - a.) Enterprise Storage
 - b.) Commercial Storage
 - c.) Cloud Storage
 - d.) Marketing Storage
9. It is set of programs consisting instructions that work together to coordinate all the activities among computer hardware resources.
 - a.) Utility Programs
 - b.) Compilers
 - c.) Interpreters
 - d.) Operating System
10. It is a type of system software that allows user to perform maintenance – type tasks, usually related to managing a computer, its devices, or its program.
 - a.) Operating System
 - b.) Utility Programs
 - c.) Compilers
 - d.) Interpreters
11. It is a collection of computers and devices connected together via communication devices and transmission media.
 - a.) Internet
 - b.) World Wide Web
 - c.) Telecommunications
 - d.) Network
12. It is a network that connects computers and devices in a limited geographical area such as home, school computer laboratory, office building, or closely positioned group of buildings.
 - a.) MAN (Metropolitan Area Network)
 - b.) WAN (Wide Area Network)
 - c.) PAN (Personal Area Network)
 - d.) LAN (Local Area Network)
13. This network connects LANs in a metropolitan area.
 - a.) WAN (Wide Area Network)
 - b.) MAN (Metropolitan Area Network)
 - c.) LAN (Local Area Network)
 - d.) PAN (Personal Area Network)
14. It is a standard which specifies that computers and devices on the network share or pass a special signal, called a token, in a unidirectional manner and in a preset order.
 - a.) Ethernet
 - b.) TCP / IP
 - c.) Token Ring
 - d.) Wi – Fi
15. It is a technique intruders use to make their network or Internet transmission appears legitimate.
 - a.) Denial of Service Attack (DoS attack)
 - b.) Botnet
 - c.) Spoofing
 - d.) Back Door

16. It is a program or set of instructions in a program that allow users to bypass security controls.

 - a.) Spoofing
 - b.) Denial of Service Attack (DoS attack)
 - c.) Botnet
 - d.) Back Door

17. It is the act of stealing computer equipment.

 - a.) Hardware Vandalism
 - b.) Hardware Destruction
 - c.) Hardware Theft
 - d.) Hardware Impairment

18. They coordinate resources by performing four activities such as planning, organizing, leading and controlling.

 - a.) Supervisors
 - b.) Consultant
 - c.) Staff
 - d.) Managers

19. It is a set of hardware, software, data, people, and procedures that work together to produce information.

 - a.) Enterprise Information
 - b.) Information Technology
 - c.) Network Information
 - d.) Information System

20. It occurs when someone: Steals software media, Intentionally erases programs, Illegally copies a program and Illegally registers and/or activates a program.

 - a.) Hardware Theft
 - b.) Information Theft
 - c.) Software Theft
 - d.) Hardware Vandalism

II. IDENTIFICATION. Identify the appropriate terms found in the box that corresponds to the following items below. Write your answers on the blanks provided before the number.

Computer Security Risk	Access Time
Wide Area Network (WAN)	Network Topology
Writing	Network Architecture
ExpressCard Module	Trackball
Hardware Vandalism	Ink-jet Printers

- _____ 21. It measures the amount of time it takes a storage device to locate an item on a storage medium.
 - _____ 22. It is the act of defacing or destroying computer equipment.
 - _____ 23. It is a stationery pointing device with a ball on its top or side.
 - _____ 24. It refers to the design of computers, devices, and media on a network.
 - _____ 25. It refers to the layout of the computers and devices in a communications network.
 - _____ 26. It is a removable device that fits in an ExpressCard slot.
 - _____ 27. It is the process of transferring items from memory to a storage medium.
 - _____ 28. It is a network that covers a large geographical area.
 - _____ 29. This printer forms characters and graphics by spraying tiny drops of liquid onto a piece of paper.
 - _____ 30. It is any event or action that could cause a loss of or damage to computer hardware, software, data, information, or processing capability.

III. TRUE OR FALSE. Write **TRUE** if the statement is correct and **FALSE** if the statement is incorrect.

- _____ 31. A cybercafé is a coffeehouse, restaurant, or other location that provides personal computers without Internet access to its customers.
 - _____ 32. Global Positioning Systems (GPS) is a navigation system that consists of one or more earth – based receivers that accept and analyze signals.
 - _____ 33. Groupware helps groups of people work together on projects and share information over a network.
 - _____ 34. Digital forensics is the discovery, collection, and analysis of evidence found on papers and other documents.
 - _____ 35. A digital certificate is an encrypted code that a person, Web site, or organization attaches to an electronic message to verify the identity of the sender
 - _____ 36. A cybercrime is an online or Internet-based illegal act.
 - _____ 37. Customer interaction management (CIM) software manages the day-to-day interactions with customers.
 - _____ 38. An Output device is any hardware component that allows users to enter data and instructions into a computer.
 - _____ 39. Biometrics authenticates a person's identity by verifying a personal characteristic.
 - _____ 40. The information technology (IT) department makes technology decisions for the enterprise.

III. MATCHING TYPE

(Match Column A with Column B. Write the letter of your choice that corresponds to the given statement on the blanks provided before the numbers.)

A

- _____ 41. It is an input device that contains keys users press to enter data and instructions into a computer.
- _____ 42. It incorporates comfort, efficiency, and safety into the design of the workplace.
- _____ 43. It is a pointing device that fits under the palm of your hand comfortably.
- _____ 44. It is a touch-sensitive display device.
- _____ 45. It is a mobile device that allows users to take pictures and store them digitally.
- _____ 46. It is a meeting between two or more geographically separated people.
- _____ 47. It uses laser beams to read bar codes.
- _____ 48. It is a desktop monitor that contains a cathode-ray tube (CRT).
- _____ 49. It produces text and graphics on a physical medium.
- _____ 50. It is a device that takes the text and images displaying on a computer screen and projects them on a larger screen.

B

- a. Touch Screen
- b. Digital Camera
- c. Video Conference
- d. Keyboard
- e. Data Projector
- f. Ergonomics
- g. CRT Monitor
- h. Mouse
- i. Barcode Reader
- j. Printer

TEST IV. NUMBER SYSTEMS CONVERSION (Show your solutions)

Instruction: Perform the following number conversions. Write your answers on clean sheet(s) of paper(s) with complete solutions.

A. Decimal to Binary

1. 128_{10} = _____₂
2. 165_{10} = _____₂

B. Binary to Decimal

3. 111_2 = _____₁₀
4. 1101_2 = _____₁₀

C. Decimal to Octal

5. 175_{10} = _____₈
6. 268_{10} = _____₈

D. Octal to Decimal

7. 45_8 = _____₁₀
8. 157_8 = _____₁₀

E. Octal to Binary

9. 66_8 = _____₂
10. 57_8 = _____₂

F. Binary to Octal

11. 11101101_2 = _____₈
12. 1101.10101_2 = _____₈

G. Decimal to Hexadecimal

13. 256_{10} = _____₁₆
14. 378_{10} = _____₁₆

Power of Two	Decimal Value	Power of Sixteen	Decimal Value
2^{10}	1024	16^0	4294967296
2^9	512	16^1	268435456
2^8	256	16^2	16777216
2^7	128	16^3	1048576
2^6	64	16^4	65536
2^5	32	16^5	4096
2^4	16	16^6	256
2^3	8	16^7	16
2^2	4	16^8	1
2^1	2	16^9	$1/16 = 0.0625$
2^0	1	16^{10}	$1/256 = 0.00390625$
2^{-1}	$\frac{1}{2} = 0.5$	16^{11}	$1/4096 = 0.000244140625$
2^{-2}	$\frac{1}{4} = 0.25$	16^{12}	$1/65536 = 0.00001525878906$
2^{-3}	$\frac{1}{8} = 0.125$	16^{13}	$1/131072 = 0.000003814697265625$
2^{-4}	$\frac{1}{16} = 0.0625$		
2^{-5}	$\frac{1}{32} = 0.03125$		
2^{-6}	$\frac{1}{64} = 0.015625$		

Power of Eight	Decimal Value
8^{10}	1073741824
8^9	134217728
8^8	16777216
8^7	2097152
8^6	262144
8^5	32768
8^4	4096
8^3	512
8^2	64
8^1	8
8^0	1
8^{-1}	$1/8 = 0.125$
8^{-2}	$1/64 = 0.015625$
8^{-3}	$1/512 = 0.001953125$
8^{-4}	$1/4096 = 0.000244140625$
8^{-5}	$1/32768 = 0.00003051757813$
8^{-6}	$1/262144 = 0.000003814697265625$

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