EXAMINATIONS OF December 2005.

COURSE: MS11A/MGMT1000 - FUNDAMENTALS OF COMPUTERS

DATE AND TIME: 2 Hours

INSTRUCTIONS TO CANDIDATES: This paper has 8 pages and 27 questions.

Answer all questions in Section A, Section B and Section C

SECTION A [20 marks]

Answer this section on the multiple-choice sheet provided. Shade only one (1) answer for each question.

1. The entire computer system is coordinated by
   a. The ALU
   b. The control unit
   c. registers
   d. memory

2. The primary storage unit is also know as
   a. A register
   b. Mass storage
   c. Secondary storage.
   d. memory

3. Step-by-step instructions that run the computer are called
   a. hardware
   b. CPUs
   c. programs
   d. documents

4. The raw material to be processed by a computer is called
   a. a program
   b. software
   c. data
   d. information

TURN OVER
5. The distance between the pixel on a screen is called
   a. OCR
   b. LCD
   c. Dot pitch
   d. Refresh rate

6. Soft copy refers to
   a. printed output
   b. music sounds
   c. screen output
   d. digitizing

7. This describes the idea that you can be split people into two distinct groups: those who have access to technology and those who do not
   a. Computer-aided manufacturing
   b. The digital divide
   c. E-commerce
   d. Anytime Anywhere Learning

8. If 01001101 is the ASCII representation for the letter M, what is the representation of the letter O?
   a. 01001110
   b. 01001001
   c. 01000100
   d. 01001111

9. Which of the following is an example of document-level formatting?
   a. Justification
   b. Point size
   c. Margin
   d. Line spacing

10. Which of the following is an advantage of tape technology over DVD technology?
    a. Storage capacity
    b. Access speed
    c. Reliability
    d. CD-R
1. The set of choices on the screen is called a(n) ____________.
   a. menu
   b. reverse video
   c. editor
   d. template

12. An operating system that manages the simultaneous executions of programs with two or more CPUs is called a(n) ____________.
   a. Timesharing system
   b. Multiprocessing system
   c. multitasking
   d. multiprogramming system

13. Which one of the following is the correct sequence of the CPU’s Machine Cycle
   a. Decode, fetch, execute and store
   b. Fetch, decode, execute and store
   c. Store, execute, fetch and decode
   d. Fetch, store, decode and execute

14. In computing the trend towards smaller and smaller computers is called:
   a. microprocessing
   b. downsizing
   c. miniaturization
   d. simplification

15. The CPU speed may be expressed in
   a. microseconds
   b. MHz
   c. Megabytes
   d. Cycles

16. Signals produced by a computer to be sent over a standard phone line must be converted to ____________.
   a. modems
   b. digital signals
   c. analog signals
   d. microwaves

   computer = digital
   telephone = analog
17. A byte can represent
   a. 64 different numbers
   b. 256 different numbers
   c. 128 different numbers
   d. 8 different numbers

18. Magnetic ink character recognition is used to:
   a. scan barcodes on grocery items
   b. read price tags on merchandise
   c. grade true-false exams
   d. read data from bank checks

19. An ink-jet printer is an example of a(n)
   a. Laser printer
   b. Impact printer
   c. LCD printer
   d. Nonimpact printer

20. The symbol that shows where the next character will be typed is called an
   a. mouse symbol
   b. character typing locator
   c. insertion point
   d. scroll point
SECTION 3. 40 marks
Answer ALL questions.

1. a. Compare and contrast any two network topologies. [4]
   b. Identify and briefly discuss any three (3) generations of the computer's history. [6]

2. a. List and explain three factors to be considered when determining the choice of
external storage media. [6]
   b. Compare and contrast two different output devices.
      - The printer does not give immediate output. [4]
      - The monitor gives immediate copy

3. a. Discuss how, in last ten years, the growth of the Internet has influenced
   i. business. [6]
   ii. education [4]

4. a. List two types of user interface. Command line user [2]
   b. Explain the types of user interface listed in part (4a) giving examples of their uses. [6]
   c. What application software would you use for
      1. Large numbers of calculations Excel
      2. Searching and sorting data Access
      3. Creating an invitation PowerPoint
      4. Editing and printing an photographs

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1. 
   a. Describe the status of the active workbook. [2]
   b. What is the purpose of the
      i. Name box (name of the cell [2]
      ii. Formula Bar (displays formulas) [½]
      iii. Fill Handle (allows you to copy series) [½]
      iv. Format Painter [½]
   c. List the correct formulas for cells E4, G9, G11, G12, G13, and G14. [6]
   d. State and explain, using an example, the feature used in Microsoft Excel that allows one to make changes in one cell which causes adjustments to other related cells. [2]