Question A: multiple-Choice/single answer (80%)

1. A true database management system (DBMS) is a program or system of programs that can
   (a) manipulate data in a large collection of files, cross-referencing between files as needed
   (b) be used interactively (c) be controlled directly by other programs (d) all of the above are
   correct.
2. bps is short for (a) baud per second (b) bytes per second (c) bits per second (d) binary packets a
   second (e) baud packets a second
3. Which of the following is a hardware device that can pass messages between networks? (a) bridges
   (b) routers (c) gateways (d) all of the above are correct
4. To communicate with each other, two machines must follow the same (a) protocol (b) bit map
   (c) instruction set (d) model (e) rule set
5. IP address are converted to easily remembered names by (a) IP2Name (b) the domain name system
   (DNS) (c) routers (d) converters (e) none of the above is correct
6. Which CANNOT be used when creating Web pages? (a) HTML (b) VBScript (c) JavaScript
   (d) W3C (e) XML
7. Traces of deleted files containing evidence of illegal activities are called (a) digital fingerprints
   (b) digital footprints (c) cyber fingerprints (d) cyber footprints (e) hackers prints
8. GB is approximately (a) 1,000 KB (b) 1,000 MB (c) 100 TB (d) both b and c (e) none of above
9. A feature that enable users to capture sequences of steps as reusable in EXCEL is
   (a) macro (b) calculation (c) custom entry (d) link (e) recalculation
10. Which CPU component instructs the bus unit to read the instruction stored at a particular memory
    address? (a) arithmetic logic unit (ALU) (b) decode unit (c) prefetch unit (d) cache unit
    (e) execution unit
11. The type of reader commonly used to read bank checks is a(n) (a) optical-mark reader
    (b) magnetic-ink character reader (c) bar-code reader (d) wand reader (e) scanner
12. A set of step-by-step procedures for accomplishing a task is called a(n) (a) instruction set
    (b) algorithm (c) job description (d) task set (e) none of the above is correct
13. A translator program that translates an entire program into machine language before the
    program is run for the first time is called a(n) (a) compiler (b) LCD (c) interpreter (d)
    converter
14. The small programs that allow I/O devices to communicate with a computer are called (a) I/O
    connectors (b) device drivers (c) installers (d) communicators (e) setups
15. A(n) (a) management information system (b) decision support system (c) executive support system
    (d) expert system (e) artificial intelligence system gives a manager the information he or she needs
    to make decisions, typically structured decisions, regarding the operational activities of the
    company
16. (a) Fortran (b) Cobol (c) C (d) Ada (e) Java is a platform-neutral computer language
    developed by Sun Microsystems for use on multiplatform networks.
17. Discovering and extracting hidden predictive information from large databases is called
    (a) data diving (b) data warehousing (c) data retrieving (d) data mining (e) data discovery
18. The popular networking architecture developed in 1976 at Xerox is called (a) intranet (b) Internet
    (c) World Wide Web (d) Ethernet (e) FireWire
19. The first computer language designed for business software was (a) FORTRAN (b) C++
    (c) COBOL (d) BASIC (e) Java
20. Programming environments include all of the following EXCEPT (a) text editors (b) compilers
    (c) debuggers (d) record-keeping software

Question B: (10%)
1. Please give description about Transaction Processing System (TPS) 10%
2. Please describe components of expert system. (10%)