Cat. No Basc.1206   **Marks: 80**

Title: Information Technology (1+1)   **Time: 3hours**

I.   Fill in the blanks:-   **(10 x 1=10)**

1. RAM stands for ....
2. The device used to convert analog signals to digital signals and vice-versa is ....
3. WAN stands for ....
4. The average capacity of a CD is ....
5. In DBMS, TABLE is a collection of ....

II.   State True or False

1. Compiler is faster than Interpreter.
2. EXE is the extension of Executable file.
3. Decimal equivalent of Binary no 1001 is 8.
4. Tree is a terminology used in computer networking.
5. An unconditional branching statement in C is GOTO.

III.   Write short answers (any Ten)   **(10 x 3=30)**

1. Define Application Software and give examples.
2. What is the function of the device 'SWITCH'
3. What is the function of the device 'ROUTER'.
4. Write short note on LINUX operating system.
5. Differentiate between PROM and EPROM.
6. Differentiate between TREE and TREE/F in MS-DOS.
7. Define Real Time Operating System.
8. Explain the use of header file Math.h in C programming.
9. What is the difference between variables ptr and *ptr in C programming.
10. What is the importance of Secondary Key in MS-ACCESS.
11. Explain the creation of LABEL statement in C programming with an example.
12. Which are the different data types used in MS-ACCESS?   (10 x3 =30)

1V. Explain briefly the following (Answer any six)   **(6 x 5=30)**

1. Differentiate between System Software and Application Packages.
2. Explain the procedure for linking two tables in MS-ACCESS.
3. Explain Hierarchy of Arithmetic Operators in C Programming.
4. Explain Library functions in C programming.
5. Explain one dimensional arrary. Using FOR Loop write a program in C to store numbers 1 to 10 in an array.
6. Explain the importance of functions in C programming.
7. Write a program in C Language to check whether the given number is prime or not.
8. Write a program in C Language to find the sum of digits of a given number (Eg:- Number =987, Sum=24)

V. Write an essay on any one:-
  1. Draw flowchart and write a program in C to find the largest of three numbers.
  2. Draw flowchart and write a program in C to print the number in words.
     Eg:- Input: number =985   Output =Nine Eight Five.