Q.29 What is the need of program compilation and debugging?

Q.30 Write the advantages of flowchart.

Q.31 Write short note on file manipulating using standard function types.

Q.32 Write a short note on call by value.

Q.33 Differentiate between actual and formal arguments.

Q.34 Explain with example local and global variables.

Q.35 Write a short note on Array of strings.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Write note on the following:

a) Flowchart   b) Algorithms

Q.37 What is array? Explain various types of arrays available in C.

Q.38 Write a program in C to find the smallest of three numbers.

2nd Sem./ Comp.

Subject:- Prog. In C

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (10x1=10)

Q.1 What is the output of this statement "printf("%d", (a++))"?

a) The value of (a+1)   b) The current value of a

c) Error message   d) Garbage

Q.2 A function which calls itself is called a _____ function.

a) Self Function   b) Auto Function

c) Recursive Function   d) Static Function

Q.3 Which of these is NOT a relation or logical operator?

a) =   b) ||

c) ==   d) !=

Q.4 Which one is the type of operator used in C language?

a) Logical operator   b) Increment operator

c) Relational operator d) All of above

Q.5 Loops in C Language are implemented using.

a) While Block   b) For Block

c) Do While Block   d) All the above

Q.6 Which one of the following is a loop construct that will always be executed once?

a) for b) while

c) switch d) do while

Q.7 C program is a combination of.?

a) Statements b) Functions

c) Variables d) All of the above

Q.8 We can not use the keyword 'break' simply within _____.

a) while b) for

c) if-else d) do while

Q.9 C is a which level language?

a) Low level b) High level

c) Low+High d) None

Q.10 C programs are converted into machine language with the help of

a) an editor b) a compiler

c) operating system d) none

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 How string variables are declared and initialized?

Q.12 Give the syntax of function prototype.

Q.13 Define Increment operator.

Q.14 How variable is different from constant?

Q.15 Which symbol is used for 'input' in flowchart?

Q.16 What is the use of comment?

Q.17 Write one example of arithmetic operator.

Q.18 Write down the difference between & and* operator.

Q.19 Write the purpose of if statement.

Q.20 Differentiate between break and exit.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 How is union declared? How is it different from structure?

Q.22 Draw flowchart to find whether number is even or odd.

Q.23 Using suitable example show the difference of break and exit ().

Q.24 What do you mean by array of structure? Give example.

Q.25 Write down the steps in development of program.

Q.26 Discuss the concept of nesting of loop with an example.

Q.27 Differentiate get char ( ) and put char ( ).

Q.28 Briefly discuss memory management in C.