Group - A

(Objective-type Questions)

1. Choose the correct answer of the following:

(a) Which operator has the lowest precedence?

(i) Size of

(ii) Unary

(iii) Assignment

(iv) Comma

2 \times 10 = 20

Answer all questions.

Answer from both the Groups as directed.

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Full Marks : 80

Time : 3 hours
(b) Which operator cannot be used with float operands?

(c) The function that is invoked is known as:

(d) The complexity of binary search algorithm is:

(e) Replace 'XXXXYYYYZZZ', 'XY', 'AB' =

(f) None of these:

(iii) ABXXXYYZZZ

(iv) None of the above

(v) All of the above

(vi) Linked Structure

(vii) Stack

(viii) Queue

Class: ME-411

1. Char
2. Int
3. Double

(Turn over)
2. Write a C program to print the following pattern:

Answer any four questions of the following:

15 x 4 = 60

- (i) Array
- (ii) Sequential access structure
- (iii) Both (i) and (ii)
- (iv) None of these

(i) Which function is used to associate a file with a stream?

Group - B

Long-answer type questions

(i) Random access structure

(ii) Read

(iii) Fclose

(iv) Flush

7. (a) Differentiate between call by value and call by reference using a suitable example.

(b) Which technique of searching an element in the array do you prefer to use and in which situation?

6. (a) Differentiate between a structure and a union.

(b) Write a program to read and display the information about an employee using nested structures.

5. (a) What do you understand by a Null pointer?

(b) Explain the term dynamic memory allocation.

(c) How is a two-dimensional array represented in memory?

4. (a) Write a function that converts temp given in celsius into fahrenheit.

(b) Explain the concept of recursive function with examples.