Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 & Onwards) (Sem.–1)
PROGRAMMING IN C
Subject Code : BMCI-104
M.Code : 72201

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTION TO CANDIDATES :
1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

   (a) What is a programming?

   (b) Draw and explain any two symbols used in flow charts.

   (c) What is debugging?

   (d) Give an example of nested if statement in C.

   (e) Why do we use break statement?

   (f) What is call by reference?

   (g) How will you declare an integer array of size 2×3×4 using C?

   (h) What is a union in C?

   (i) Explain the meaning of the statement :

      int **MyArray;

   (j) Why do we use #include<stdio.h> in C?

SECTION-B

2.   Write and explain the steps in development of program.

3.   Give and explain an example of a switch statement.

4.   How will you add two matrices using C?

5.   How will you use the following lines in your C program?

     #define PI 3.142

     #define CircleArea(r) (PI*r*r)

6.   Explain the storage classes of C language.

SECTION-C

7.   Write a C code to find a given number in a three dimensional matrix.

8.   Write a C code to solve the quadratic equation $ax2 + bx + c = 0$.

9.   Write a C code to write and read an integer to/from a given file.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.