Student Exam No._____

GANPAT UNIVERSITY

B. Tech. Semester: II (ME/MC/CL/EE/MR)
Regular Examination May-June 2013
2CE101: Computer Programming

Time: 3 Hours   **Total Marks:** 70

Instructions:
1. Figures to the right indicate full marks.
2. Each section should be written in a separate answer book.
3. To be precise and to the point in your answer.

SECTION-I

Q.1	(a)	What is Program? Draw the detail diagram of C Programming Structure.	4
	(b)	Define Token and Explain variable and identifier in brief.	4
	(c)	Justify:"Conditional Operator is short form of if...else statement" with example.	4

OR

Q.1	(a)	Define Compiler and Draw the Flowchart of Compilation Process.	4
	(b)	Discuss #define with suitable example.	4
	(c)	Explain Prefix and Postfix operator with program.	4

Q.2	(a)	Discuss precedence and associativity with proper example.	6
	(b)	Explain goto statement with suitable example.	5

OR

Q.2	(a)	Discuss Switch statement with syntax, flowchart and example.	6
	(b)	Define the following functions.	5

           1) main()
           2) getch()
           3) printf()
           4) scanf()
           5) clrscr()

Q.3	(a)	Write a C program to check whether the entered number is positive or negative.	4
	(b)	Write a program to check whether the entered number is even or odd using conditional operator.	4
	(c)	Write a C program to calculate volume of a cylinder.(Formula : V=PI*R*R*H)	4

Q.4 **(a)** Write a program to print following pattern of numbers using nested for loop.   4
1
22
333
4444
55555
(b) Explain While Loop with Example.   4
(c) Define String and Discuss any two String handling functions with example.   4

OR

Q.4 **(a)** Explain Exit Controlled loop with flowchart, syntax and example.   4
(b) Write a C program to find out whether the entered number is palindrome Number or not.   4
(c) Define Loop and Explain for loop with flowchart, syntax and example.   4

Q.5 **(a)** Define Array and Explain 2-D array with example.   6
(b) What is User Define Function? Explain the structure of User Define Function.   5

OR

Q.5 **(a)** List out the category of the function. Explain any two categories with example.   6
(b) Write a Program to find out the addition of two 3*3 Matrices.   5

Q.6 **(a)** Write a program to find maximum number from entered ten numbers using array.   4
(b) Write a program to reverse string without using string reverse function.   4
(c) Write a program to exchange value of two variables using exchange () function.   4

END OF PAPER