

# 1455

Code : 15CS31T

Register Number

--	--	--	--	--	--	--

III Semester Diploma Examination, Nov./Dec. 2016

## PROGRAMMING WITH C

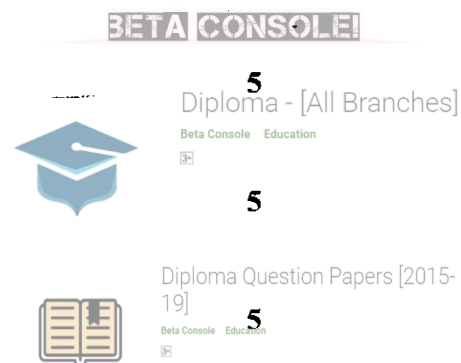
Time : 3 Hours ]

[ Max. Marks : 100

- Note :** (i) Answer any **six** questions from Part – A. Each question carries **5** marks.  
(ii) Answer any **seven** full questions from Part – B. Each question carries **10** marks.

### PART – I

1. Define variable. Summarize the rules and guidelines for naming variable. **5**
2. Define flowchart. List the symbols used in flowchart. **5**
3. Discuss relational and logical operators. **5**
4. Explain for statement with an example. **5**
5. Differentiate between actual and formal parameters. **5**
6. Explain the advantages of functions. **5**
7. List string handling functions. **5**
8. Define structure. Explain with an example, the general syntax of a structure. **5**
9. Differentiate between Union and Structure. **5**



**PART – B**

10. Explain the basic datatypes of C language. 10
11. Write an algorithm and C program to swap the two variables without using third variable. 10
12. Illustrate the switch statement with syntax and an example. 10
13. Write a C program to find the reverse of a given number. 10
14. Explain if ... else statement with syntax and example. 10
15. Write a C program to find the factorial of a given number using function. 10
16. (a) Explain how to declare and initialize a single dimensional array. 5  
(b) List the advantages and disadvantages of an array. 5
17. Write a C program to find the sum of 2 matrices. 10
18. (a) Explain briefly how to use # define directive. 5  
(b) Write a C program to concatenate 2 strings using built-in string function. 5
19. Write a C program to create structure with an employee details and display the same. 10

**BETA CONSOLE!**Diploma - [All Branches]  
Beta Console EducationDiploma Question Papers [2015-19] 10  
Beta Console Education