

(i) Printed Pages : 2

Roll No. ....

(ii) Questions : 9

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Exam. Code : 

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**B.A./B.Sc. (General) 2<sup>nd</sup> Semester**

**1048**

**COMPUTER SCIENCE**

**Paper-CS04—Theory-B : C Programming**

**Time Allowed : Three Hours]**

**[Maximum Marks : 30**

**Note :—**(i) The Question Paper will consist of **five** Sections.

(ii) The students are required to attempt **one** question from each Section and the Compulsory question Section E.

(iii) All questions carry equal marks.

**SECTION—A**

1. Mention different steps to develop a program. Explain using an example. 6
2. Mention different data types in C. Give example for each. 6

**SECTION—B**

3. How the type conversions are handled by C ? 6
4. What are the different decision making statements in C ? Give syntax for each. 6

**SECTION—C**

5. What do you mean by the term recursion ? What are its advantages ? 6
6. What is an array ? How to access an array ? What are the advantages of using an array ? 6

## SECTION—D

7. How to declare and initialize string variables ? With the help of C program mention steps to read and write a string. 6
8. What is a structure ? What is its use ? How to initialize and access structure members ? 6

## SECTION—E

### (Compulsory Question)

9. Write the following answers briefly :—
- (i) Differentiate between compilation and execution. 2
  - (ii) What is a real constant ? 1
  - (iii) Explain the hierarchy in operators of C. 1
  - (iv) Differentiate between If-Else and Nested If-Else decision control structures. 2