



**AF-3019**

B.Sc. (Part - I)  
Term End Examination, 2017-18

Paper - II

Information Technology

*Time* : Three Hours]      [*Maximum Marks* : 50

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**Note** : Answer **five** questions in all. One question from each Unit is compulsory. All questions carry equal marks.

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**Unit-I**

1. What are the major functions of 'C' Language ?
2. Write a short note on 'History of 'C' Programming Language.

**Unit-II**

3. Write down five basic data types associated with variable in 'C'.

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4. Write down five differences between derived data type and user defined data type in 'C'.

### **Unit-III**

5. Explain how relational and conditional operators are used in 'C' with example.
6. Write a program to calculate factorial of a number using 'C' Programming Language.

### **Unit-IV**

7. Define Array. Write a program to sort array elements in ascending order.
8. Explain call by value in 'C' using one example.

### **Unit-V**

9. Describe the relation between pointer and array with one example.
  10. Write a short note on file management in 'C' using one example.
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