

Exam. Code : 107201

Subject Code : 8137

**Bachelor of Computer Application (BCA) Ist Semester
(Old Sylb 2016)**

INTRODUCTION TO PROGRAMMING C—I

Paper—I

Time Allowed—3 Hours] [Maximum Marks—75

Note :— Attempt any **FIVE** questions. All questions carry equal marks.

1. Write short notes on the following :
 - (a) Data types
 - (b) Variable v/s Constant
 - (c) Single v/s Compound statement. 3×5=15
2. (a) What are the different types of operators available in C ? Explain giving examples. 10
 - (b) What is operator precedence and associativity ? Explain. 5
3. What are the different types of loops in C ? Explain giving examples of each type. 15
4. (a) What are the different conditional control statements in C ? Explain giving examples. 10
 - (b) Distinguish between break and continue statements. 5

5. (a) Define functions. What are formal and actual parameters ? Explain. 7.5
- (b) What are the different methods of passing parameters to functions ? Explain giving examples. 7.5
6. Define arrays. How two-dimensional arrays are declared and initialized ? Explain giving example. 15
7. Define the following :
- (a) User defined data type
- (b) Structure
- (c) Union
- (d) Structure and pointers
- (e) Self-referencing structure 5×3=15
8. Define pointer. How pointer to functions is used ? Explain giving example. 15