

**B.C.A. (Part—I) Semester—I Examination**  
**C PROGRAMMING**  
**Paper—1ST2**

Time : Three Hours]

[Maximum Marks : 60

**Note :— All questions carry equal marks.**

1. (A) Explain the structure of C Program with example. 6
- (B) Explain constants and symbolic constant with suitable example. 6

**OR**

2. (A) What is data types ? Explain different types of basic data types with suitable example. 6
- (B) What is identifier in C Language ? Explain in detail. 6
3. (A) Explain arithmetic, relational and logical operators with example. 6
- (B) Explain type conversion and type casting operators with example. 6

**OR**

4. (A) Explain precedence and the associativity of operators with example. 6
- (B) Explain conditional operator and comma operator with suitable example. 6
5. (A) Explain unformatted D/P functions in C Language with example. 6
- (B) Explain the following functions with example : 6
- (i) printf( )
- (ii) scanf( ).

**OR**

- 6 (A) Explain following functions with example : 6
- (i) getch( )
- (ii) getchar( )
- (iii) gets( ).
- (B) Write a program in C Language to read a string character by character. 6
7. (A) Explain break and continue statement with suitable example. 6
- (B) Explain 'nested if' structure in C with suitable example. 6

**OR**

8. (A) Differentiate 'while' and 'do ..... while' statements with suitable example. 6
- (B) Write a program in C Language to find addition first 20 numbers using 'for .... loop' statement. 6
9. (A) What is pointers in C Language ? Explain with example. 6
- (B) Write a program in C for addition of two  $3 \times 3$  matrices using two dimensional arrays. 6

**OR**

10. (A) Explain declaration and initialization of one dimensional array with example. 6
- (B) Explain Array of pointer with suitable example. 6

