

**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 following terms :
  - (i) Keywords
  - (ii) Variables. 6
- (b) Explain basic data types and enumerated data types. 6

**OR**

2. (a) What is constant ? Explain different types of constant used in C with example. 6
- (b) Explain the structure of 'C' program with suitable example. 6
3. (a) Explain precedence and the associativity of operators. 6
- (b) Explain comma and size of operators with example. 6

**OR**

4. (a) Explain Arithmetic and Relational operators with example. 6
- (b) Write a program in C to find greatest among two numbers using conditional operator. 6
5. (a) Explain any four unformatted I/O functions in C with example. 8
- (b) Write a program in C to interchange any three integer numbers. 4

**OR**

6. (a) Explain formatted I/O functions in C with example. 6
- (b) Explain getch( ) and putch( ) with example. 6
7. (a) Differentiate between while and do ... while statement with suitable example. 6
- (b) Explain the following with example :
  - (i) break
  - (ii) continue 6

**OR**

8. (a) What is looping ? Explain for loop with example. 6
- (b) Write a C program to display the following output :

```
*
* *
* * *
* * * *
* * * * *
```

9. (a) Explain declaration and initialization of one-dimensional array with example. 6
- (b) Explain array of pointers and pointer Arithmetic. 6

**OR**

10. (a) Explain declaration and initialization of two dimensional array with example. 6
- (b) Describe pointer with suitable example. 6

