

AS-1497

B.C.A. (Part—I) Semester—I Examination**C PROGRAMMING****Paper—1 ST 2**

Time : Three Hours]

[Maximum Marks : 60

1. (a) Explain the basic data types in C with example. 6
- (b) What is constant ? Explain various types of constants in C with example. 6

OR

2. (a) Explain enumerated data type with suitable example. 4
- (b) State and explain the features of C language. 4
- (c) Explain the structure of C program. 4
3. (a) Explain the increment and decrement operators with suitable example. 6
- (b) Explain precedence and the associativity of operators. 6

OR

4. (a) Explain type conversion and type cast operator. 6
- (b) Explain Arithmetic and logical operator with example. 6
5. (a) Explain any three unformatted I/O functions in C. 6
- (b) Discuss with syntax, scanf() function. Give suitable example. 6

OR

6. (a) Explain with syntax printf() function. Explain and give suitable example. 6
- (b) Differentiate getche() and putche() function. 6
7. (a) Differentiate while and do... while. 6
- (b) Explain the following :—
- (i) Break
- (ii) For loop. 6

OR

8. (a) Write a program in C to find odd and even numbers in between 1 to 50, by using goto statement. 6
(b) Explain nesting of loops with example. 6
9. (a) Explain the declaration and initialisation of two dimensional array with example. 6
(b) Explain pointer arithmetic with example. 6

OR

10. (a) Explain the initialisation of one dimensional array with example 6
(b) Explain the array of pointers with example. 6