

AU-184

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 basic structure of C Program with suitable example. 6
- (b) What is constant ? Give its types. State the rules to form various types of constants. 6

OR

2. (a) State the brief history of C language and its characteristic features. Give its supporting applications. 6
- (b) Describe various data types in C with suitable example. 6
3. (a) State various arithmetic, logical and relational operators with their symbol and meaning. Give suitable example. 6
- (b) State and explain conditional operator with suitable example. 6

OR

4. (a) What are unary operators ? Explain various unary operators with symbol and meaning. Describe increment and decrement operators with suitable example. 6
- (b) Describe various Bitwise operators with suitable example. 6
5. (a) Explain character input and output functions in C with suitable example. 6
- (b) Describe syntax of scanf() and printf() with suitable example. 6

OR

6. (a) Explain with syntax gets() and puts() with suitable example. 6
(b) Explain difference between formatted and unformatted input output functions with example. 6
7. (a) Discuss syntax of switch statement with purpose and suitable example. 6
(b) Discuss purpose and syntax of for statement and write program to print Fibonacci series. 6

OR

8. (a) Differentiate between break and continue statement with suitable example. 6
(b) Write a program in C to find factorial of given number using while loop. 6
9. (a) Explain declaration and initialization of one-dimensional array with example. 6
(b) Describe pointer with suitable example. 6

OR

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