

(UG592)

Roll No. 231512014027

S.C.No.—2214201

B.C.A. EXAMINATION, 2024

(Main)

(Second Semester)

PROGRAMMING IN C

22BCA201

Time : 3 Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all Q. No. 1 is compulsory. All questions carry equal marks.

1. Explain the following : **8×2=16**

- (a) Header file in C.
- (b) Goto statement.
- (c) Break statement.
- (d) Auto storage class.
- (e) String in C

- (f) Patch() function
 - (g) Global variables
 - (h) Identifiers.
2. What is operator ? Explain various types of operators used in C language along with their hierarchy with in expression using suitable example. 16
 3. (a) What are the basic data types in C ? Explain with example. 8
 (b) Discuss history and importance of C Programming language. 8
 4. What are nested loops ? Explain nested if statement and if-else statement in detail. 16
 5. Explain the following with suitable example :
 (a) For loop and jumps in loops. 8
 (b) Switch Statements. 8
 6. Define Function in C ? Explain call by value and call by reference with example. 16

7. Write short notes on the following :
 (a) Formatted and Unformatted I/O 8
 (b) Input and Output functions in C. 8
8. (a) Define Array. Explain different types of arrays with example. 8
 (b) What is Pointer ? Explain the uses of pointer in C. 8
9. What do you mean by Algorithm and Flowchart ? Explain various basic symbols used in Flowcharting. Explain in detail. 16