



A CHARUTAR VIDYA MANDAL'S INSTITUTION  
**V.P. & R.P.T.P. SCIENCE COLLEGE**  
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AFFILIATED TO SARDAR PATEL UNIVERSITY



**BACHELOR OF COMPUTER APPLICATION (SEMESTER I ) INTERNAL EXAMINATION 2024**  
**US01MABCA01 : Programming Fundamentals Using C**

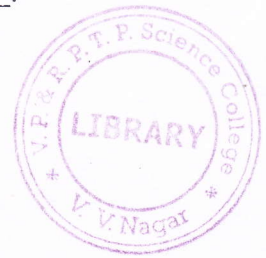
Date: 03 October 2024 ,Thursday  
Time: 11:00 AM TO 12:30 PM

Total Marks: 30

Q:1 Attempt following MCQ.

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- \_\_\_\_\_converts the programs written in assembly language into machine instructions.  
a) Compiler b) Interpreter c) Assembler d) Translator
- The value that cannot be changed during program execution is known as \_\_\_\_\_.  
a) Variable b) constant c) Operator d) None of these
- Individual value in array is called \_\_\_\_\_.  
a) Element b) Number c) Index d) Element and number
- The \_\_\_\_\_function is used to joins two strings.  
a) strcat() b) strlen() c)strupr() d) strrev()
- \_\_\_\_\_loop executes at least once.  
a) while loop b) do...while c) if d) for
- \_\_\_\_\_section is compulsory in C program.  
a) Main function b) Definition c) Documentation d) None of these



Q:2 What is flow chart? Explain symbols used to draw a flow chart.

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OR

Explain Machine Level Language, Assembly Language and High Level Language

Q:3 What is Variable? How to declare and initialization of variable with example Write Rules of variable name.

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OR

Explain exit control statement with example and write difference between exit and entry controlled loop.

Q:4 Define array. Explain 2-D array in detail with example.

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OR

Explain if else & nested if statement with syntax and example.

Q:5 Write an algorithm and draw a flowchart for following.  
Read N from user and adding integers from 1 to N .

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OR

Explain short hand operator with example. Write difference between pre-increment and post-increment operator.