



A Charutar Vidya Mandal's Institution
V.P. & R.P.T.P. SCIENCE COLLEGE

(AUTONOMOUS) (Grant-in-Aid)
Affiliated to Sardar Patel University
VALLABH VIDYANAGAR-388120



Bachelor of Science (Semester- 3) External Examination – 2025

US03MACSC01: Fundamentals of Computer Programming Using C

Date: 06-10-2025, (MONDAY)

Time: 02:00 PM to 04:30 PM (2.5 hrs.)

Total marks: 50

Q. 1. Write the most appropriate answer from the following multiple-choice questions. 10

1. Which of the following is problem oriented language?
 - a) High Level Language
 - b) Machine Language
 - c) Assembly Language
 - d) Low Level Language
2. In C which section consists of Header files.
 - a) main()
 - b) Definition
 - c) Documentation
 - d) Link Section
3. The range of int data type is _____ bytes
 - a) 2
 - b) 4
 - c) 8
 - d) 16
4. _____ is an invalid variable name.
 - a) INT
 - b) pi
 - c) int marks
 - d) total_marks
5. isupper() function is available in _____
 - a) <string.h>
 - b) <ctype.h>
 - c) <conio.h>
 - d) <math.h>
6. puts() function is available in _____ header file.
 - a) <stdio.h>
 - b) <conio.h>
 - c) <math.h>
 - d) All of above
7. Function header consists of _____ parts.
 - a) one
 - b) two
 - c) three
 - d) None of above
8. User Defined Function can be classified in to _____ category.
 - a) one
 - b) two
 - c) three
 - d) four
9. The _____ string function is use to joins two string.
 - a) strcat()
 - b) strlen()
 - c)strupr()
 - d) strrev()
10. Which of the following can never be sent by call by value?
 - a) Variable
 - b) Array
 - c) structures
 - d) Both b and c



- Q-2. What is operator? Explain different operators with example. 10
OR
- Q.2 What is Translator? Explain compiler, Interpreter and Assembler. 10
- Q.3 Define array? Also explain declaration of 1D and 2D array with syntax and example. 10
OR
- Q.3 Explain the following library function with syntax and example. 10
1) sqrt() 2) isdigit() 3) pow() 4) islower()
- Q.4 Write difference between user define function and library function. 10
OR
- Q.4 Define function? List out type of function use in c. 10
- Q.5. Write short note on dynamic memory allocation functions. 10
OR
- Q.5 What is pointer? Write advantages of using pointers. Which points are to be remember while using pointer? 10

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