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) Internal Examination - 2025

US03MACSC01: FUNDAMENTALS OF COMPUTER PROGRAMMING USING C

Date: 23/09/2025 Tuesday

Time: 2:45 PM TO 4:15 PM **Total marks :30**

Q. 1. Multiple choice question. 6

1. In C which section consists of Header files.

a) main() b) Definition

c) Documentation d) Link Section

2. _____ is an invalid variable name.

a) INT b) pi

c) int marks d) total_marks

3. isdigit() function is available in _____.

a) <string.h> b) <ctype.h>

c) <conio.h> d) <math.h>

4. _____ function count and return the number of character in a string.

a) strcpy() b) strlen()

c) strupr() d) strrev()

5. The _____string function is use to joins two string.

a) strcat() b) strlen()

c) strupr() d) strrev()

6. Which of the following defines a pointer variable to an integer?

a) int &ptr; b) int *ptr;

c) int **ptr; d) int &&ptr;

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Q-2. Difference between Interpreter and Compiler. 6

OR

Q.2 What is operator? Explain different operators with example. 6

Q.3 Explain different looping structure used in C. 6

OR

Q.3 Explain different control structure used in C. 6

Q.4 Explain any three function of string. 6

OR

Q.4 Explain with argument & with return value function with example. 6

Q.5. Write short note on dynamic memory allocation functions. 6

OR

Q.5 Explain what is pointer, declaring pointer and assigning value to pointer. 6

No of printed pages: 01 Supervisor sign Seat No.:

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BSC. C.S. (Semester 3) Quiz - 2025

US03MACSC01: FUNDAMENTALS OF COMPUTER PROGRAMMING USING C

Date: 23-09-2025 Day: Tuesday

Time: Maximum 20 minutes **Total marks :15**

Q-1 Fill in the blanks with appropriate answer given in the bracket. **[08]**

(i) Individual value in array is called _____ (element / index)

(ii) A group of characters is known as _____ (string / symbol)

(iii) The size of int data type is _____ bytes (2 / 7)

(iv) The parameter is also known as _____ (formal argument / variable)

(v) What is the output of 9/2 – (5%3) _____ (2 / 3)

(vi) When the function is called _____ argument is passed. (actual / dummy)

(vii) The translator program used in assembly language is called _____ (assembler / compiler)

(viii) In C Reference operator is _____ (& / *)

Q-2 Whether the following statement is true or false. Write your answer in the box **[07]**

(i) %d format specifier used for integer data type. []

(ii) '\0' is Escape sequence. []

(iii) gets () function is available in STDIO.H header file []

(iv) printf() is use to print the message on screen. []

(v) int 2A; is valid variable declaration. []

(vi) For loop is looping structure. []

(vii) If is conditional structure. []

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