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SARDAR PATEL UNIVERSITY

B.C.A. Semester – I (NC) Examination, 2022

US01BCA21 :Programming Fundamental Using C

Date : ~~10/12/2022~~, Saturday

Time: 10:00 A.M. To 01:00 P.M.

Total : 70Marks

Q-1 Multiple Choice Questions.

[10]

- _____ is a pictorial representation of an algorithm.
A. FlowChat B. DataDiagram C. Pie Chart D. Program
- C language is _____ language.
A. Highlevel B. Machine C. Assembly D. Low level
- The size of int datatype is _____ bytes.
A. 2 B. 4 C. 8 D. 16
- _____ format specifier used for floating datatype.
A. %d B. %f C. %c D. %e
- The Switch expression can be an _____ type.
A. Double B. Float C. Integer D. Char
- _____ loop execute at least once.
A. while loop B. if C. do...while D. for
- Individual value in array is called _____.
A. Element B. Number C. Index D. Element and number
- In two - dimensional array the first subscript is define _____.
A. Column B. Row C. Vector D. Variable
- A group of character is known as _____.
A. Function B. Array C. String D. Information
- _____ function is use for reading the string with the whitespace.
A. putchar() B. puts() C. getch() D. gets()

Q-2 Short Answers Questions. (Attempt Ten out of Twelve)

[20]

- What is an algorithm? List Characteristics of an algorithm.
- What is Translator? List all translators.
- Write difference between Interpreter and Compiler.
- Explain Basic Structure of C program.
- Write Rules of variable name.
- Explain ternary operator with example.
- Explain do-while statement with example.
- Explain break statement with example.
- What is array? List out the type of array use in c programming.

[17]

(P.T.O.)

10. List out the operation perform on the string.
11. Explain the pow () function.
12. Explain the strlen() function.

Q-3

- (A) List out the advantages and disadvantages of an algorithm. [10]
- (B) Explain Machine Level Language and Assembly Language indetail.

OR

Q-3

- (A) Write a short note on editor. [10]
- (B) What is flow chart? Explain symbols used to draw a flow chart.

Q-4

- (A) Explain basic data types used in C language. [10]
- (B) List all possible if statement and explain any one with example in Brief.

OR

Q-4

- (A) What is operator? Explain Arithmetic operator & Relational operator with example. [10]
- (B) What is Variable? How to declare and initialization of variable with example.

Q-5

- (A) Explain looping with syntax and example. [10]
- (B) Explain initialization of 1-D array with syntax and example.

OR

Q-5

- (A) Explain initialization of 2-D array with syntax and example . [10]
- (B) Write difference between do-while, while and loop.

Q-6

- (A) What is string? List all and Explain any two string handling functions with syntax andexample. [10]
- (B) Explain abs() and islower() function with syntax and example.

OR

Q-6

- (A) Explain gets() and puts() function with syntax and example. [10]
- (B) Explain getch() and clrscr() function with syntax and example.