

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous)
Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION NOVEMBER – 2016

B.Voc. Applied Computer Technology

ACTECH 1.2 – BUILDING LOGIC USING C LANGUAGE

Duration of Exam – 3 hrs

Semester – I

Max. Marks – 70

Que. - 1 Answer the following Questions

[20]

1. The range of int is _____
2. The size of a char variable is _____
3. “&&” is a logical operator. State the statement True or False
4. Which format specifier is used for float data type?
5. Backslash character constant are known as Escape Sequence. State the statement True or False
6. In switch case statement _____ is used to transfer the control out of switch case.
7. _____ is an exit controlled loop.
8. List relational operator.
9. Define : Algorithm
10. “2abc” is valid identifier. State the statement True or False
11. _____ symbol is used to show the condition in Flow chart.
12. `int x = 5*3+5*4;`
What value will x contain in the sample code above?
13. You can use keyword as a variable name. State the statement True or False
14. Which function is used to compare two strings?
15. What will be the output of `ceil(2.59)`?
16. Which keyword is used to define a structure?
17. _____ is the last character of the character array.
18. Define : Array
19. Which operator is known as member accessing operator?
20. What is variable?

Que. – 2 (A) Answer the following Questions (Any Three)

[06]

1. What is an identifier? Give rules for declaring identifier.
2. What is constant? List out types of constant.
3. Explain `fopen()` and `fclose()` function.
4. Explain: Conditional operator
5. Explain : type casting
6. Explain if statement.

Que. – 2 (B) Answer the following Questions (Any Three)

[09]

1. Explain while loop with example.
2. Explain goto statement with example.
3. differentiate : getch(), getche(), getchar().
4. Explain if else statement with an example.
5. Explain : (i) abs() (ii) pow() (iii) isdigit()
6. Write a program to find factorial of any number.

Que. – 2 (C) Answer the following Questions (Any Two)

[10]

1. Write a program to check entered number is prime or not.
2. Explain various data types in C language
3. Explain basic structure of C program
4. Explain for loop with suitable example.
5. Write a program to print following triangle:
1
1 2
1 2 3
1 2 3 4

Que. – 3 (A) Answer the following Questions (Any Three)

[06]

1. Explain: C character set.
2. List out all the operators available in C.
3. Differentiate : Entry Controlled Loop v/s Exit Controlled Loop
4. Draw a flow chart to find out simple interest.
5. What is Token? List all the tokens available in C.
6. What is keyword?

Que. – 3 (B) Answer the following Questions (Any Three)

[09]

1. Explain nested loop with an example.
2. What is Structure? Explain with syntax
3. Explain switch ... case statement with example.
4. Explain pointer with example.
5. Explain break and continue statement with example.
6. Explain else if ladder with example.

Que. – 3 (C) Answer the following Questions (Any Two)

[10]

1. List various categories of UDF. Explain any two with example.
2. Explain array of structure with example.
3. Explain i). strcpy() ii). strcat () iii) strrev()
4. Write a program to print reverse of given number.
5. What is flowchart? Explain symbols of flowchart.