

Dream Class[DC-3702]

First Year B.C.A (SEM.1) Examination

Nov/Dec-2017

104: Computer Programming & Programming Methodology

Time: 3 Hours]

[Total Marks: 70

1 Answer in short.(any-**ten**) (10)

- (1) What is Flow Chart and give its merit and demerits
- (2) What is difference between compiler and interpreter
- (3) What is difference between variable and constant?
- (4) Explain? : Conditional operator.
- (5) What is difference between break and continue.
- (6) How to write Comment in C.
- (7) What is keyword?
- (8) What is getchar() and putchar().
- (9) What is type-casting?
- (10) What is multi-dimensional array?
- (11) What is error and #include.
- (12) What is sqrt(),abs(),pow().
- (13) What is debugging.
- (14) What is nested loop?
- (15) What is postfix and prefix operator?

2 Explain Following Question in Details.(any-**Three**) (18)

- (1) Explain algorithm in details
- (2) What is Flow Chart and give its merit and demerits
- (3) Explain Storage classes
- (4) How many types of datatypes in c?
- (5) Explain different category of operator.

3 Explain Following Question in Details.(any-**Three**) (18)

- (1) List down Conditional statement in C(explain IF-statement)
- (2) What is loop? Why it is required? Explain entry control loop and exit control loop.
- (3) Why switch case is needed?
- (4) Explain array in details and also explain String array.
- (5) Differentiate ++a and a++.

4 Explain Following Question in Details.(any-**Three**) (18)

- (1) What is Structured Programming and basic Structure of C.
- (2) Explain break and continue.
- (3) Explain different types of errors.
- (4) What is jumping and branching and explain printf() and scanf()
- (5) Explain any Five math and string functions.

5 Explain Following Question in Details.(any-**Two**) (6)

- (1) Write an algorithm and draw flowchart to find the factorial of the Given number.
- (2) Write an algorithm and draw flowchart of Fibonacci series.
- (3) Write an algorithm and draw flowchart to find maximum element from 1-D array of size 10.
- (4) Write a program to accept string and check inputted string is palindrome or not.
- (5) Write a program to reverse number
- (6) Write a program to sort an array in ascending order

