Anijit Das

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST-3 EXAMINATION (Dec 2018)
B.Tech.(BT and BTDD) 1st Semester

Course Code: 13B21CI121

Course Name: Introduction to Computers and Basic Programming

Course Credit: 4

Max. Marks: 35

Max. Time: 2 HRS

Note: All questions are compulsory

1. Describe the Von Neumann Architecture in detail. [8]
2. Write a C program to take an integer as input and show the factorial of the number as output. [5]
3. Write a C program to print Fibonacci series upto n th term where n will be taken as input. [5]
4. What is a pointer? Write a C program to swap two numbers using pointer. [5]
5. Define the following with regards to C programming [4]
   array, structure, static variable, recursion
6. Difference between call by value and call by reference. [4]
7. Write a C program to determine whether an integer taken as input is odd or even. [4]

1