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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- September 2017

B.Tech VII Semester

COURSE CODE: 12B1WCI734

MAX. MARKS: 15

COURSE NAME: C# and VB.Net

COURSE CREDITS: 03

MAX. TIME: 1 Hr

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Each Question carries 3 Marks.

1. Why is Main static in C#? How many Main methods can a C# program have?
2. Explain boxing and Unboxing. Explain the importance of default values in terms of correctness of a program?
3. Write a C# program to ask the user to enter two numbers and find whether or not the first number is a factor of the second one.
4. Using loops, write a program in C# to display 10 rows. The first row should have a '00' followed by '01'. The second row has '10', '11', '12'. The third row displays '20', '21', '22', '23' and so on.

Your output should look like:

```
0001
101112
20212223
3031323334
.....
.....
90919293949596979899
```

5. Write a C# program to generate the following sequence up to n terms, where n is entered by user.
3, 5, 9, 15, 23.....