

Dr. Ravinder Bhatt

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST-1 EXAMINATION- SEPTEMBER -2018
B.Tech V Semester

COURSE CODE: 10B11CI512

MAX. MARKS: 15

COURSE NAME: Software Engineering

COURSE CREDITS: 04

MAX. TIME: 1 HR

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

1. Using your knowledge of how an ATM is used, develop a set of use cases that could serve as a basis for understanding the requirements for an ATM system.
[3 Marks]
2. When would you recommend against the use of an agile method for developing a software system?
[3 Marks]
3. Write a set of non-functional requirements for the drone system, setting out its expected safety and response time.
[3 Marks]
4. Why is requirement engineering considered as a critical stage of the software process? Discuss the main activities involved in the requirement engineering process.
[3 Marks]
5. Suggest the most generic software process model that might be used as a basis for managing the development of the following systems. Justify.
 - a. A system to control anti-lock braking in a car
 - b. A university accounting system that replaces an existing system.[3 Marks]